



The bidi Package

Source documentation for version 38.0

to my Master, *Ferdowsi The Great*

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please use the issue tracker:

<https://github.com/kvafa/bidi/issues>

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

You may also have conversations, ask questions and post answers without opening issues using the Discussions space:

<https://github.com/kvafa/bidi/discussions>

The announcements for the new releases of the package will also appear in the Discussions space under the Announcements category.

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The *bidi* Package

Bidirectional typesetting in plain T_EX and L^AT_EX, using XeT_EX engine

Source documentation for [version 38.0](#)

Vafa Khalighi*

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Contents

1	File <code>amsart-xetex-bidi.def</code>	4	18	File <code>beamerbaseframecomponents-xetex-bidi.def</code>	40
2	File <code>adjmulticol-xetex-bidi.def</code>	6	19	File <code>beamerbaselocalstructure-xetex-bidi.def</code>	47
3	File <code>algorithm2e-xetex-bidi.def</code>	7	20	File <code>beamerbasenavigation-xetex-bidi.def</code>	49
4	File <code>amsbook-xetex-bidi.def</code>	7	21	File <code>beamerbaseoverlay-xetex-bidi.def</code>	50
5	File <code>amsmath-xetex-bidi.def</code>	10	22	File <code>beamerinnerthemedefault-xetex-bidi.def</code>	50
6	File <code>amstext-xetex-bidi.def</code>	10	23	File <code>beamerinnerthemecircles-xetex-bidi.def</code>	53
7	File <code>amsthm-xetex-bidi.def</code>	10	24	File <code>beamerinnerthemeinmargin-xetex-bidi.def</code>	53
8	File <code>array-xetex-bidi.def</code>	10	25	File <code>beamerinnerthemerectangles-xetex-bidi.def</code>	55
9	File <code>article-xetex-bidi.def</code>	12	26	File <code>beamerinnerthemerounded-xetex-bidi.def</code>	55
10	File <code>artikel1-xetex-bidi.def</code>	15	27	File <code>beamerouterthemedefault-xetex-bidi.def</code>	55
11	File <code>artikel2-xetex-bidi.def</code>	20	28	File <code>beamerouterthemeinfolines-xetex-bidi.def</code>	55
12	File <code>artikel3-xetex-bidi.def</code>	25	29	File <code>beamerouterthememiniframes-xetex-bidi.def</code>	56
13	File <code>arydshln-xetex-bidi.def</code>	29	30	File <code>beamerouterthemesidebar-xetex-bidi.def</code>	57
14	File <code>beamer-xetex-bidi.def</code>	32	31	File <code>beamerouterthemesplit-xetex-bidi.def</code>	59
15	File <code>beamerbaseauxtemplates-xetex-bidi.def</code>	32	32	File <code>beamerouterthemesshadow-xetex-bidi.def</code>	60
16	File <code>beamerbaseboxes-xetex-bidi.def</code>	37	33	File <code>beamerouterthemesmoothbars-xetex-bidi.def</code>	61
17	File <code>beamerbasecolor-xetex-bidi.def</code>	39	34	File <code>beamerouterthemesmoothtree-xetex-bidi.def</code>	63

*Thanks to the bidi-tex GitHub organization consisted of David Carlisle and other members of the L^AT_EX team to maintain the package in the period 2018–2020.

35	File beamerouterthemetree-xetex-bidi.def	177	67	File combine-xetex-bidi.def	177
36	File beamerthemeHannover-xetex-bidi.def	177	68	File crop-xetex-bidi.def	177
37	File beamerthemeSingapore-xetex-bidi.def	179	69	File cutwin-xetex-bidi.def	179
38	File bidi.sty	66	70	File cuted-xetex-bidi.def	180
39	File bidi.tex	72	71	File cvthemebidicasual.sty	188
40	File bidi2in1.sty	74	72	File cvthemebidiclassic.sty	190
41	File bidicode.sty	76	73	File dblfnote-xetex-bidi.def	192
42	File bidiftnextra.sty	78	74	File diagbox-xetex-bidi.def	195
43	File bidimoderncv.cls	82	75	File draftwatermark-xetex-bidi.def	197
44	File bidi-perpage.sty	86	76	File eso-pic-xetex-bidi.def	198
45	File biditools.sty	88	77	File empheq-xetex-bidi.def	199
46	File bidituftefloat.sty	125	78	File extarticle-xetex-bidi.def	202
47	File bidituftesidenote.sty	135	79	File extbook-xetex-bidi.def	205
48	File bidituftetoc.sty	145	80	File extletter-xetex-bidi.def	208
49	File bidituftegeneralstructure.sty	148	81	File extrafootnotefeatures-xetex-bidi.def	209
50	File bidituftehyperref.sty	150	82	File extreport-xetex-bidi.def	241
51	File biditufтетitle.sty	151	83	File fancybox-xetex-bidi.def	244
52	File biditufte-handout.cls	154	84	File fancyhdr-xetex-bidi.def	245
53	File biditufte-book.cls	154	85	File fix2col-xetex-bidi.def	245
54	File bidipoem.sty	155	86	File fleqn-xetex-bidi.def	247
55	File boek3-xetex-bidi.def	162	87	File float-xetex-bidi.def	247
56	File boek-xetex-bidi.def	165	88	File floatrow-xetex-bidi.def	248
57	File bookest-xetex-bidi.def	169	89	File flowfram-xetex-bidi.def	248
58	File book-xetex-bidi.def	169	90	File footnote-xetex-bidi.def	251
59	File breqn-xetex-bidi.def	173	91	File footnotebackref-xetex-bidi.def	257
60	File cals-xetex-bidi.def	174	92	File framed-xetex-bidi.def	258
61	File caption-xetex-bidi.def	175	93	File ftnright-xetex-bidi.def	262
62	File caption3-xetex-bidi.def	175	94	File graphicx-xetex-bidi.def	266
63	File colortbl-xetex-bidi.def	175		File geometry-xetex-bidi.def	268
64	File color-xetex-bidi.def	176		File hvfloat-xetex-bidi.def	269



95	File hyperref-xetex-bidi.def	275	125	File pstricks-xetex-bidi.def	340
96	File imsgproc-xetex-bidi.def	287	126	File quotchap-xetex-bidi.def	340
97	File leqno-xetex-bidi.def	289	127	File ragged2e-xetex-bidi.def	341
98	File letter-xetex-bidi.def	289	128	File rapport1-xetex-bidi.def	343
99	File lettrine-xetex-bidi.def	289	129	File rapport3-xetex-bidi.def	347
100	File lineno-xetex-bidi.def	292	130	File refrep-xetex-bidi.def	353
101	File listings-xetex-bidi.def	293	131	File report-xetex-bidi.def	356
102	File loadingorder-xetex-bidi.def	295	132	File rotating-xetex-bidi.def	360
103	File longtable-xetex-bidi.def	300	133	File scrartcl-xetex-bidi.def	362
104	File lscape-xetex-bidi.def	302	134	File scrbook-xetex-bidi.def	376
105	File mathtools-xetex-bidi.def	303	135	File scrreprt-xetex-bidi.def	390
106	File mdframed-xetex-bidi.def	303	136	File sidecap-xetex-bidi.def	405
107	File bidi-media9.sty	305	137	File soul-xetex-bidi.def	405
108	File memoir-xetex-bidi.def	315	138	File stabular-xetex-bidi.def	406
109	File midfloat-xetex-bidi.def	318	139	File subfigure-xetex-bidi.def	406
110	File minitoc-xetex-bidi.def	323	140	File tabs-xetex-bidi.def	407
111	File multicols-xetex-bidi.def	324	141	File tabularx-xetex-bidi.def	407
112	File multienum-xetex-bidi.def	328	142	File tabulary-xetex-bidi.def	409
113	File natbib-xetex-bidi.def	329	143	File tc-xetex-bidi.def	409
114	File newfloat-xetex-bidi.def	330	144	File tcolorbox-xetex-bidi.def	410
115	File nththeorem-xetex-bidi.def	331	145	File titlesec-xetex-bidi.def	410
116	File nththeorem-hyper-xetex-bidi.def	331	146	File titletoc-xetex-bidi.def	411
117	File overpic-xetex-bidi.def	331	147	File tocbibind-xetex-bidi.def	412
118	File pdfbase-xetex-bidi.def	332	148	File tocloft-xetex-bidi.def	413
119	File pdfscape-xetex-bidi.def	333	149	File tocbasic-xetex-bidi.def	419
120	File pdfpages-xetex-bidi.def	333	150	File tocstyle-xetex-bidi.def	433
121	File pgfcorescopes.code-xetex-bidi.def	334	151	File todonotes-xetex-bidi.def	438
122	File pgfsys.code-xetex-bidi.def	335	152	File wrapfig-xetex-bidi.def	440
123	File picinpar-xetex-bidi.def	335	153	File xcolor-xetex-bidi.def	442
124	File plain-xetex-bidi.def	338	154	File latex-xetex-bidi.def	444





1 File amsart-xetex-bidi.def

```

1 \ProvidesFile{amsart-xetex-bidi.def}[2017/08/09 v1.1 bidi adaptations for amsart class for X
2 \def\tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \@ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
13    \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17  \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4\p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11\p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4\p@
31   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35   \insert\footins{%
36     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37     \reset@font%
38     \bidi@footnotetext@font% \normalfont\footnotesize
39     \interlinepenalty\interfootnotelinepenalty
40     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41     \floatingpenalty\@MM \hsize\columnwidth
42     \@parboxrestore \parindent\normalparindent \sloppy
43     \protected@edef\@currentlabel{%
44       \csname p@footnote\endcsname\@thefnmark}%
45     \@makefnmark%
46     \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
47
48 \long\def\@RTLfootnotetext#1{%
49   \insert\footins{%
50     \@RTLtrue%
51     \reset@font%
52     \bidi@RTLfootnotetext@font% \normalfont\footnotesize

```



```

53 \interlinepenalty\interfootnotelinepenalty
54 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
55 \floatingpenalty\@MM \hsize\columnwidth
56 \@parboxrestore \parindent\normalparindent \sloppy
57 \protected@edef\@currentlabel{%
58 \csname p@footnote\endcsname\@thefnmark}%
59 \@makefnmark%
60 \rule{z@\footnotesep\ignorespaces#1\unskip\strut\par}}
61
62
63
64 \long\def\@LTRfootnotetext#1{%
65 \insert\footins{%
66 \RTLfalse%
67 \reset@font%
68 \bidi@LTRfootnotetext@font% \normalfont\footnotesize
69 \interlinepenalty\interfootnotelinepenalty
70 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
71 \floatingpenalty\@MM \hsize\columnwidth
72 \@parboxrestore \parindent\normalparindent \sloppy
73 \protected@edef\@currentlabel{%
74 \csname p@footnote\endcsname\@thefnmark}%
75 \@makefnmark%
76 \rule{z@\footnotesep\ignorespaces#1\unskip\strut\par}}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84 \@bibtitlestyle
85 \normalfont\bibliofont\labelsep .5em\relax
86 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
87 \ifRTL\ifLTR\bibitems\@RTLfalse\else\fi\else\ifRTL\bibitems\@RTLtrue\else\fi\fi
88 \bidi@thebibliography@font@hook%
89 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90 \leftmargin\labelwidth \advance\leftmargin\labelsep
91 \usecounter{enumiv}}%
92 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93 \sfcode`\.=\@m
94 }{%
95 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96 \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
99 \columnseprule{z@ \columnsep 35\p@
100 \@indextitlestyle
101 \thispagestyle{plain}%
102 \let\item\@idxitem
103 \parindent{z@ \parskip{z@\@plus.3\p@}\relax
104 \ifRTL\raggedleft\else\raggedright\fi
105 \hyphenpenalty\@M
106 \footnotesize}

```



```

107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111   \@topnum\z@ % this prevents figures from falling at the top of page 1
112   \@setcopyright
113   \thispagestyle{firstpage}% this sets first page specifications
114   \uppercase\nonmath\shorttitle
115   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116   \else \andify\shortauthors
117   \fi
118   \@maketitle@hook
119   \begingroup
120   \@maketitle
121   \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
122   \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123   \edef\@tempa{%
124     \@nx\markboth{\the\toks4
125       \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126   \@tempa
127   \endgroup
128   \c@footnote\z@
129   \cleartopmattertags
130 }

```

2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol p
132 \def\adjmulticols#1#2#3{\col@number#1\relax
133   \def\@tempa{#2}%
134   \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
135   \def\@tempa{#3}%
136   \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
137   \ifnum\col@number<\@ne
138     \PackageWarning{adjmulticol}%
139       {Using '\number\col@number'
140        columns doesn't seem a good idea.^^J
141        I therefore use one columns instead}%
142     \col@number\@ne\fi
143   \ifnum\col@number>10
144     \PackageError{adjmulticol}%
145       {Too many columns}%
146       {Current implementation doesn't
147        support more than 10 columns.%
148       \MessageBreak
149        I therefore use 10 columns instead}%
150     \col@number10 \fi
151   \ifx\@footnotetext\mult@footnotetext\else
152     \let\orig@footnotetext\@footnotetext
153     \let\@footnotetext\mult@footnotetext
154   \fi
155   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
156     \let\orig@LTRfootnotetext\@LTRfootnotetext
157     \let\@LTRfootnotetext\mult@LTRfootnotetext

```




```

158 \fi
159 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
160 \let\orig@RTLfootnotetext\@RTLfootnotetext
161 \let\@RTLfootnotetext\mult@RTLfootnotetext
162 \fi
163 \@ifnextchar[\adjmult@cols{\adjmult@cols[]}]{}
164 \let\adjmc@page@sofar@orig=\page@sofar

```

3 File algorithm2e-xetex-bidi.def

```

165 \ProvidesFile{algorithm2e-xetex-bidi.def}[2018/09/23 v0.2 bidi adaptations for algorithm2e p
166 \expandafter\ifx\c@algocf\@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\c@algocf\@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi
170 \@ifpackageloaded{color}{%
171 \bidi@patchcmd{\@algocf@start}{\bgroup}{%
172 \bgroup
173 \if@RTL
174 \beginR
175 \else
176 \beginL
177 \fi
178 }{}{}
179 \bidi@patchcmd{\@algocf@finish}{\egroup\end{lrbox}}{%
180 \if@RTL
181 \endR
182 \else
183 \endL
184 \fi
185 \egroup
186 \end{lrbox}}%
187 }{}{}
188 \bidi@patchcmd{\algocf@makecaption}{\hbox}{%
189 \if@RTL
190 \hboxR
191 \else
192 \hboxL
193 \fi
194 }{}{}
195 }

```

4 File amsbook-xetex-bidi.def

```

196 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for
197 \def\@tocline#1#2#3#4#5#6#7{\relax
198 \ifnum #1>\c@tocdepth % then omit
199 \else
200 \par \addpenalty\@secpenalty\addvspace{#2}%
201 \begingroup \hyphenpenalty\@M
202 \@ifempty{#4}{%
203 \@tempdima\c@tocindent\number#1\endcsname\relax
204 }{}%
205 \@tempdima#4\relax

```



```

206    }%
207    \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
208    \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
209    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
210    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
211    \nobreak
212    \endgroup
213    \fi}
214 \renewcommand\thesubsection    {\thesection\@SepMark\arabic{subsection}}
215 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
216 \renewcommand\theparagraph    {\thesubsubsection\@SepMark\arabic{paragraph}}
217 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
218 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
219   \columnseprule\z@ \columnsep 35\p@
220   \@indextitlestyle
221   \thispagestyle{plain}%
222   \let\item\@idxitem
223   \parindent\z@ \parskip\z@\@plus.3\p@\relax
224   \if@RTL\raggedleft\else\raggedright\fi
225   \hyphenpenalty\@M
226   \footnotesize}
227 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
228 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
229 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
230 \def\right@footnoterule{%
231   \kern-.4\p@
232   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
233   \kern11\p@\kern-\footnotesep}
234 \def\left@footnoterule{\kern-.4\p@
235   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
236
237 \long\def\@footnotetext#1{%
238   \insert\footins{%
239     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
240     \reset@font%
241     \bidi@@footnotetext@font% \normalfont\footnotesize
242     \interlinepenalty\interfootnotelinepenalty
243     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
244     \floatingpenalty\@MM \hsize\columnwidth
245     \@parboxrestore \parindent\normalparindent \sloppy
246     \protected@edef\@currentlabel{%
247       \csname p@footnote\endcsname\@thefnmark}%
248     \@makefntext{%
249       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
250
251 \long\def\@RTLfootnotetext#1{%
252   \insert\footins{%
253     \@RTLtrue%
254     \reset@font%
255     \bidi@@RTLfootnotetext@font% \normalfont\footnotesize
256     \interlinepenalty\interfootnotelinepenalty
257     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
258     \floatingpenalty\@MM \hsize\columnwidth
259     \@parboxrestore \parindent\normalparindent \sloppy

```



```

260 \protected@edef\@currentlabel{%
261 \csname p@footnote\endcsname\@thefnmark}%
262 \@makefntext{%
263 \rule\z@{footnotesep\ignorespaces#1\unskip\strut\par}}
264
265
266 \long\def\@LTRfootnotetext#1{%
267 \insert\footins{%
268 \RTLfalse%
269 \reset@font%
270 \bidi@@LTRfootnotetext@font% \normalfont\footnotesize
271 \interlinepenalty\interfootnotelinepenalty
272 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
273 \floatingpenalty\@MM \hsize\columnwidth
274 \@parboxrestore \parindent\normalparindent \sloppy
275 \protected@edef\@currentlabel{%
276 \csname p@footnote\endcsname\@thefnmark}%
277 \@makefntext{%
278 \rule\z@{footnotesep\ignorespaces#1\unskip\strut\par}}}
279
280
281
282 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
283 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
284 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
285
286 \renewenvironment{thebibliography}[1]{%
287 \@bibtitlestyle
288 \normalfont\bibliofont\labelsep .5em\relax
289 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
290 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
291 \bidi@@thebibliography@font@hook%
292 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
293 \leftmargin\labelwidth \advance\leftmargin\labelsep
294 \usecounter{enumiv}}%
295 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
296 \sfcode`\.=\@m
297 }{%
298 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
299 \endlist
300 }
301 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
302 \begingroup
303 \fontsize{\@xivpt}{18}\bfseries\centering
304 \ifnum\c@secnumdepth>\m@ne
305 \leavevmode \hskip-\ifRTL\rightskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\@xp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\ifRTL\rightskip\else\leftskip\fi\fi
310 #1\par \endgroup
311 \skip@34\p@ \advance\skip@-\normalbaselineskip
312 \vskip\skip@ }
313 \def\maketitle{\par

```



```

314 \@topnum\z@ % this prevents figures from falling at the top of page 1
315 \begingroup
316 \@maketitle
317 \endgroup
318 \c@footnote\z@
319 \def\do##1{\let##1\relax}%
320 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
321 \do\author \do\@xauthor \do\address \do\@xaddress
322 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
323 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
324 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
325 }

```

5 File amsmath-xetex-bidi.def

```

326 \ProvidesFile{amsmath-xetex-bidi.def}[2020/05/16 v1.2 bidi adaptations for amsmath package f
327 \let\veqno=\eqno
328 \iftagsleft@ \let\veqno=\leqno \fi
329 \renewcommand{\numberwithin}[3][\arabic]{%
330   \ifundefined{c@#2}{\@nocounterr{#2}}{%
331     \ifundefined{c@#3}{\@nocnterr{#3}}{%
332       \@addtoreset{#2}{#3}%
333       \@xp\xdef\csname the#2\endcsname{%
334         \@xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
335   }
336 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italicco
337
338 \bidi@patchcmd\math@cr@@@align\place@tag{%
339   \place@tag
340   \else
341     \place@tag
342 }{}{}
343

```

6 File amstext-xetex-bidi.def

```

344 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package f
345 \def\textdef@#1#2#3{\hbox{%
346   \everymath{#1}%
347   \let\fontsize#2\selectfont
348   \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}}

```

7 File amsthm-xetex-bidi.def

```

349 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for
350 \def\@thmcountersep{\@SepMark}

```

8 File array-xetex-bidi.def

```

351 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for X
352 \def\@testpach{\@chclass
353   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
354   \ifnum \@lastchclass=7 5 \else
355   \ifnum \@lastchclass=8 \tw@ \else

```



```

356 \ifnum \@lastchclass=9 \thr@@
357 \else \z@
358 \ifnum \@lastchclass = 10 \else
359 \edef\@nextchar{\expandafter\string\@nextchar}%
360 \@chnum
361 \if \@nextchar c\z@ \else
362 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
363 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
364 \z@ \@chclass
365 \if\@nextchar |\@ne \else
366 \if \@nextchar !6 \else
367 \if \@nextchar @7 \else
368 \if \@nextchar <8 \else
369 \if \@nextchar >9 \else
370 10
371 \@chnum
372 \if \@nextchar m\thr@@\else
373 \if \@nextchar p4 \else
374 \if \@nextchar b5 \else
375 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
376 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
377 \def\@tabular{%
378 \leavevmode
379 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
380 \let\d@llarend\endR\endgroup
381 \@tabarray}
382 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
383 \expandafter\let\csname endtabular*\endcsname=\endtabular
384 \def\@array[#1]#2{%
385 \@tempdima \ht \strutbox
386 \advance \@tempdima by\extrarowheight
387 \setbox \@arstrutbox \hbox{\vrule
388 \@height \arraystretch \@tempdima
389 \@depth \arraystretch \dp \strutbox
390 \@width \z@}%
391 \beginR
392 \mkpream{#2}%
393 \xdef\@preamble{\noexpand \ialign \@halignto
394 \bgroup \@arstrut \@preamble
395 \tabskip \z@ \cr}%
396 \endgroup
397 \@arrayleft
398 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
399 \bgroup
400 \let \@sharp ##\let \protect \relax
401 \lineskip \z@
402 \baselineskip \z@
403 \m@th
404 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRo
405 \def\@tabarray{\@ifnextchar{\@array}{\@array[c]}}
406 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@prea
407 \def\array{\col@sep\arraycolsep
408 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
409 \@RTLtabfalse\@tabarray}

```



9 File article-xetex-bidi.def

```

410 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article]
411 \if@titlepage
412   \renewcommand\maketitle{\begin{titlepage}%
413     \let\footnotesize\small
414     \let\right@footnoterule\relax
415     \let\left@footnoterule\relax
416     \let\textwidth@footnoterule\relax
417     \let\footnote\thanks
418     \let\LTRfootnote\LTRthanks
419     \let\RTLfootnote\RTLthanks
420     \null\vfil
421     \vskip 60\p@
422     \begin{center}%
423       {\LARGE \@title \par}%
424       \vskip 3em%
425       {\large
426         \lineskip .75em%
427         \begin{tabular}[t]{c}%
428           \@author
429         \end{tabular}\par}%
430       \vskip 1.5em%
431       {\large \@date \par}%           % Set date in \large size.
432     \end{center}\par
433     \@thanks
434     \vfil\null
435   \end{titlepage}%
436   \setcounter{footnote}{0}%
437   \global\let\thanks\relax
438   \global\let\LTRthanks\relax
439   \global\let\RTLthanks\relax
440   \global\let\maketitle\relax
441   \global\let\@thanks\@empty
442   \global\let\@author\@empty
443   \global\let\@date\@empty
444   \global\let\@title\@empty
445   \global\let\title\relax
446   \global\let\author\relax
447   \global\let\date\relax
448   \global\let\and\relax
449 }
450 \else
451 \renewcommand\maketitle{\par
452   \begingroup
453     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
454     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
455     \long\def\@makefntext##1{\parindent 1em\noindent
456       \hb@xt@1.8em{%
457         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
458     \if@twocolumn
459       \ifnum \col@number=\@ne
460         \@maketitle
461       \else

```



```

462     \twocolumn[\@maketitle]%
463     \fi
464   \else
465     \newpage
466     \global\@topnum\z@   % Prevents figures from going at top of page.
467     \@maketitle
468     \fi
469     \thispagestyle{plain}\@thanks
470   \endgroup
471   \setcounter{footnote}{0}%
472   \global\let\thanks\relax
473   \global\let\LTRthanks\relax
474   \global\let\RTLthanks\relax
475   \global\let\maketitle\relax
476   \global\let\@maketitle\relax
477   \global\let\@thanks\@empty
478   \global\let\@author\@empty
479   \global\let\@date\@empty
480   \global\let\@title\@empty
481   \global\let\title\relax
482   \global\let\author\relax
483   \global\let\date\relax
484   \global\let\and\relax
485 }
486 \def\@maketitle{%
487   \newpage
488   \null
489   \vskip 2em%
490   \begin{center}%
491     \let \footnote \thanks
492     \let \LTRfootnote \LTRthanks
493     \let \RTLfootnote \RTLthanks
494     {\LARGE \@title \par}%
495     \vskip 1.5em%
496     {\large
497       \lineskip .5em%
498       \begin{tabular}[t]{c}%
499         \@author
500       \end{tabular}\par}%
501     \vskip 1em%
502     {\large \@date}%
503   \end{center}%
504   \par
505   \vskip 1.5em}
506 \fi
507 \renewcommand*{\l@part[2]}{%
508   \ifnum \c@tocdepth >-2\relax
509     \addpenalty\@secpenalty
510     \addvspace{2.25em \@plus\p@}%
511     \setlength\@tempdima{3em}%
512     \begingroup
513       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
514       \parfillskip -\@pnumwidth
515     {\leavevmode

```



```

516     \large \bfseries #1\hfil \hb@xt@{\pnumwidth{\hss #2}}\par
517     \nobreak
518     \if@compatibility
519         \global\@nobreaktrue
520         \everypar{\global\@nobreakfalse\everypar{}}%
521     \fi
522 \endgroup
523 \fi}
524 \renewcommand*\l@section[2]{%
525 \ifnum \c@tocdepth >\z@
526     \addpenalty\@secpenalty
527     \addvspace{1.0em \@plus\p@}%
528     \setlength\@tempdima{1.5em}%
529     \begingroup
530     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
531     \parfillskip -\@pnumwidth
532     \leavevmode \bfseries
533     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
534     \hskip -\if@RTL\rightskip\else\leftskip\fi
535     #1\nobreak\hfil \nobreak\hb@xt@{\pnumwidth{\hss #2}}\par
536 \endgroup
537 \fi}
538 \renewcommand\left@footnoterule{%
539 \kern-3\p@
540 \hrule\@width.4\columnwidth
541 \kern2.6\p@}
542 \renewcommand\right@footnoterule{%
543 \kern-3\p@
544 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
545 \kern2.6\p@}
546 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
547 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
548 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
549 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
550 \def\@part[#1]#2{%
551     \ifnum \c@secnumdepth >\m@ne
552         \refstepcounter{part}%
553         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
554     \else
555         \addcontentsline{toc}{part}{#1}%
556     \fi
557     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
558     \interlinepenalty \@M
559     \normalfont
560     \ifnum \c@secnumdepth >\m@ne
561         \Large\bfseries \partname\nobreakspace\thepart
562         \par\nobreak
563     \fi
564     \huge \bfseries #2%
565     \markboth{}{}\par}%
566 \nobreak
567 \vskip 3ex
568 \@afterheading}
569 \renewenvironment{thebibliography}[1]

```




```

570 {\section*{\refname}%
571 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
572 \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
573 \bidi@thebibliography@font@hook%
574 \list{\@biblabel{\@arabic\c@enumiv}}%
575 {\settowidth\labelwidth{\@biblabel{#1}}%
576 \leftmargin\labelwidth
577 \advance\leftmargin\labelsep
578 \@openbib@code
579 \usecounter{enumiv}%
580 \let\p@enumiv\@empty
581 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
582 \sloppy
583 \clubpenalty4000
584 \@clubpenalty \clubpenalty
585 \widowpenalty4000%
586 \sfcode\~.\@m}
587 {\def\@noitemerr
588 {\@latex@warning{Empty `thebibliography' environment}}}%
589 \endlist}
590 \renewenvironment{theindex}
591 {\if@twocolumn
592 \@restonecolfalse
593 \else
594 \@restonecoltrue
595 \fi
596 \columnseprule \z@
597 \columnsep 35\p@
598 \twocolumn[\section*{\indexname}]%
599 \mkboth{\MakeUppercase\indexname}%
600 {\MakeUppercase\indexname}%
601 \thispagestyle{plain}\parindent\z@
602 \parskip\z@ \@plus .3\p@\relax
603 \let\item\@idxitem}
604 {\if@restonecol\onecolumn\else\clearpage\fi}

```

10 File artikel1-xetex-bidi.def

```

605 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class f
606 \renewenvironment{theindex}{%
607 \if@twocolumn
608 \@restonecolfalse
609 \else
610 \@restonecoltrue
611 \fi
612 \columnseprule \z@
613 \columnsep 35\p@
614 \twocolumn[\section*{\indexname}]%
615 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
616 \thispagestyle{plain}\parindent\z@
617 \parskip\z@ \@plus .3\p@\relax
618 \let\item\@idxitem
619 }{%
620 \if@restonecol\onecolumn\else\clearpage\fi}

```



```

621 \renewcommand*\head@style{%
622     \interlinepenalty \@M
623     \hyphenpenalty=\@M \exhyphenpenalty=\@M
624     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
625 \if@titlepage
626     \renewenvironment{abstract}{%
627         \titlepage
628         \null\vfil
629         \section*{\SectFont\abstractname}
630         \noindent\ignorespaces}
631     {\par\vfil\null\endtitlepage}
632 \else
633     \renewenvironment{abstract}{%
634         \if@twocolumn
635             \section*{\abstractname}%
636         \else
637             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
638             \section*{\small\SectFont\abstractname}%
639             \noindent\ignorespaces
640             \fi}
641     {\if@twocolumn\else\par\egroup\fi}
642 \fi
643 \renewcommand*\@regtocline[3]{%
644     \ifnum #1>\c@tocdepth
645     \else
646         \vskip\z@\@plus.2\p@
647         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
648         \if@RTL\rightskip\else\leftskip\fi\unitindent
649         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
650         \parfillskip\z@
651         \@tempdima\unitindent
652         \parindent\z@
653         \leavevmode
654         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
655         \hskip 1em \nobreak{\slshape #3}\par
656         }%
657     \fi}
658 \if@oldtoc
659 \renewcommand*\l@part[2]{%
660     \ifnum \c@tocdepth >-2\relax
661         \addpenalty\@secpenalty
662         \addvspace{2.25em \@plus\p@}%
663         \begingroup
664             \setlength\@tempdima{3em}%
665             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
666             \parfillskip -\@pnumwidth
667             {\leavevmode
668                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
669                 \nobreak
670                 \if@compatibility
671                     \global\@nobreaktrue
672                     \everypar{\global\@nobreakfalse\everypar{}}%
673             \fi
674         \endgroup

```



```

675 \fi}
676 \else
677 \renewcommand*\l@part{%
678 \ifnum \c@tocdepth >-2\relax
679 \addpenalty\@secpenalty
680 \addvspace{2.25em \@plus \p@}%
681 \@regtocline{0}%
682 \fi}
683 \fi
684 \if@oldtoc
685 \renewcommand*\l@section[2]{%
686 \addpenalty\@secpenalty
687 \addvspace{1.0em \@plus \p@}%
688 \setlength\@tempdima{1.5em}%
689 \begingroup
690 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
691 \parfillskip -\@pnumwidth
692 \leavevmode \bfseries
693 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
694 \hskip -\if@RTL\rightskip\else\leftskip\fi
695 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
696 \endgroup}
697 \else
698 \renewcommand*\l@section{\@regtocline{1}}
699 \fi
700 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
701 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
702 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
703 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
704 \renewenvironment{thebibliography}[1]
705 {\section*\refname}%
706 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
707 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
708 \bidi\@thebibliography@font@hook%
709 \list{\@biblabel{\@arabic\c@enumiv}}%
710 {\settowidth\labelwidth{\@biblabel{#1}}%
711 \leftmargin\labelwidth
712 \advance\leftmargin\labelsep
713 \@openbib@code
714 \usecounter{enumiv}%
715 \let\p@enumiv\@empty
716 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
717 \sloppy\clubpenalty4000\widowpenalty4000%
718 \sfcode`. \@m}
719 {\def\@noitemerr
720 {\@latex@warning{Empty `thebibliography' environment}}}%
721 \endlist}
722 \renewcommand*\left@footnoterule{%
723 \kern-3\p@
724 \kern.5\baselineskip
725 \hrule\@width\unitindent
726 \kern.4\baselineskip
727 }
728 \renewcommand*\right@footnoterule{%

```



```

729 \kern-3\p@
730 \kern.5\baselineskip
731 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
732 \kern.4\baselineskip}
733 \if@titlepage
734 \renewcommand*{\TitleFont{\rmfamily}
735 \renewcommand*{\maketitle{%
736 \begin{titlepage}%
737 \let\footnotesize\small
738 \let\right@footnoterule\relax
739 \let\left@footnoterule\relax
740 \let\textwidth@footnoterule\relax
741 \let \footnote \thanks
742 \long\def\@makefntext##1{\parindent\z@
743 \def\labelitemi{\textendash}\@revlabeltrue
744 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
745 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
746 \if@compatibility\setcounter{page}{0}\fi
747 \null\vfil
748 \vskip 60\p@
749 \begin{center}%
750 \TitleFont
751 {\LARGE \def\{\{\penalty -\@M}
752 \if@allcaps
753 \expandafter\uc@nothanks\@title\thanks\relax
754 \else
755 \@title
756 \fi\par}%
757 \vskip 3em%
758 {\large
759 \lineskip .75em \parindent\z@
760 \begin{tabular}[t]{c}%
761 \if@allcaps
762 \expandafter\uc@authornothanks\@author\and\relax
763 \else
764 \@author
765 \fi
766 \end{tabular}\par}%
767 \vskip 1.5em%
768 {\large
769 \if@allcaps
770 \uppercase\expandafter{\@date}%
771 \else
772 \@date
773 \fi\par}%
774 \end{center}\par
775 \@thanks
776 \vfil\null
777 \end{titlepage}%
778 \setcounter{footnote}{0}%
779 \global\let\thanks\relax
780 \global\let\maketitle\relax
781 \global\let\@thanks\@empty
782 \global\let\@author\@empty

```



```

783 \global\let\@title\@empty
784 \global\let\@date\@empty
785 \global\let\title\relax
786 \global\let\author\relax
787 \global\let\date\relax
788 \global\let\and\relax
789 }
790 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
791 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
792 \futurelet\@tempa\uc@ax}
793 \def\uc@ax{%
794 \ifx\@tempa\relax
795 \else
796 \\\andname \\\expandafter\uc@authornothanks
797 \fi}
798 \def\uc@tx{\ifx\@tempa\relax
799 \else \expandafter\uc@ty \fi}
800 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
801 \else
802 \renewcommand*\maketitle{\par
803 \begingroup
804 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
805 \def\@makefnmark{\rlap{%
806 \@textsuperscript{\normalfont\@thefnmark}}}%
807 \long\def\@makefntext{\@xmakefntext{%
808 \@textsuperscript{\normalfont\@thefnmark}}}%
809 \if@twocolumn
810 \ifnum \col@number=\@ne
811 \maketitle
812 \else
813 \twocolumn[\maketitle]%
814 \fi
815 \else
816 \newpage
817 \global\@topnum\z@
818 \maketitle
819 \fi
820 \thispagestyle{plain}\@thanks
821 \endgroup
822 \setcounter{footnote}{0}%
823 \global\let\thanks\relax
824 \global\let\maketitle\relax
825 \global\let\@maketitle\relax
826 \global\let\@thanks\@empty
827 \global\let\@author\@empty
828 \global\let\@title\@empty
829 \global\let\@date\@empty
830 \global\let\title\relax
831 \global\let\author\relax
832 \global\let\date\relax
833 \global\let\and\relax
834 }
835 \def\@maketitle{%
836 \newpage

```



```

837 \null
838 \vskip 2em%
839 \begin{center}%
840   \let \footnote \thanks
841   {\LARGE \TitleFont \@title \par}%
842   \vskip 1.5em%
843   {\large \TitleFont
844     \lineskip .5em%
845     \begin{tabular}[t]{c}%
846       \@author
847     \end{tabular}\par}%
848   \vskip 1em%
849   {\large \TitleFont \@date}%
850 \end{center}%
851 \par
852 \vskip 1.5em}
853 \fi

```

11 File artikel2-xetex-bidi.def

```

854 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class f
855 \renewenvironment{theindex}{%
856   \if@twocolumn
857     \@restonecolfalse
858   \else
859     \@restonecoltrue
860   \fi
861   \columnseprule \z@
862   \columnsep 35\p@
863   \twocolumn[\section*{\indexname}]%
864   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
865   \thispagestyle{plain}\parindent\z@
866   \parskip\z@ \@plus .3\p@\relax
867   \let\item\@idxitem
868   }{%
869   \if@restonecol\onecolumn\else\clearpage\fi}
870 \renewcommand*{\regtocline}[3]{%
871   \ifnum #1>\c@tocdepth
872   \else
873     \vskip\z@ \@plus.2\p@
874     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
875       \if@RTL\righskip\else\leftskip\fi\unitindent
876       \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
877       \parfillskip\z@
878       \@tempdima\unitindent
879       \advance\@tempdima by \othermargin
880       \parindent\z@
881       \leavevmode
882       \hbox{\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
883         \hskip 1em \nobreak{\slshape #3}\par
884       }%
885   \fi}
886 \if@oldtoc
887 \renewcommand*\l@section[2]{%

```



```

888 \addpenalty\@secpenalty
889 \addvspace{1.0em \@plus\p@}%
890 \setlength\@tempdima{1.5em}%
891 \begingroup
892 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
893 \parfillskip -\@pnumwidth
894 \leavevmode \bfseries
895 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
896 \hskip -\if@RTL\rightskip\else\leftskip\fi
897 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
898 \endgroup}
899 \else
900 \renewcommand*\l@section{\@regtocline{1}}
901 \fi
902 \if@oldtoc
903 \renewcommand*\l@part[2]{%
904 \ifnum \c@tocdepth >-2\relax
905 \addpenalty\@secpenalty
906 \addvspace{2.25em \@plus\p@}%
907 \begingroup
908 \setlength\@tempdima{3em}%
909 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
910 \parfillskip -\@pnumwidth
911 {\leavevmode
912 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
913 \nobreak
914 \if@compatibility
915 \global\@nobreaktrue
916 \everypar{\global\@nobreakfalse\everypar{}}%
917 \fi
918 \endgroup
919 \fi}
920 \else
921 \renewcommand*\l@part{%
922 \ifnum \c@tocdepth >-2\relax
923 \addpenalty\@secpenalty
924 \addvspace{2.25em \@plus\p@}%
925 \@regtocline{0}%
926 \fi}
927 \fi
928 \renewcommand*\head@style{%
929 \interlinepenalty \@M
930 \hyphenpenalty=\@M \exhyphenpenalty=\@M
931 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
932 \if@titlepage
933 \renewenvironment{abstract}{%
934 \titlepage
935 \null\vfil
936 \section*{\SectFont\abstractname}%
937 \noindent\ignorespaces}
938 {\par\vfil\null\endtitlepage}
939 \else
940 \renewenvironment{abstract}{%
941 \if@twocolumn

```



```

942     \section*{\abstractname}%
943 \else
944     \section*{\hskip\unitindent\small\SectFont\abstractname}%
945     \list*{\setlength\listparindent{\unitindent}%
946           \setlength\parindent    {\z@}%
947           \setlength\leftmargin   {\unitindent}%
948           \setlength\rightmargin  {\unitindent}%
949           \setlength\parsep      {\z@}}%
950     \item[]%
951 \fi}
952 {\if@twocolumn\else\par\endlist\fi}
953 \fi
954 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
955 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
956 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
957 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
958 \renewcommand*\left@footnoterule{%
959   \kern-3\p@
960   \hrule\@width 3\unitindent
961   \kern 2.6\p@
962 }
963 \renewcommand*\right@footnoterule{%
964   \kern-3\p@
965   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
966   \kern 2.6\p@}
967 \renewenvironment{thebibliography}[1]
968   {\section*{\refname}%
969     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
970     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
971     \bidi@thebibliography@font@hook%
972     \list{\@biblabel{\@arabic\c@enumiv}}%
973           {\settowidth\labelwidth{\@biblabel{#1}}%
974           \leftmargin\labelwidth
975           \advance\leftmargin\labelsep
976           \@openbib@code
977           \usecounter{enumiv}%
978           \let\p@enumiv\@empty
979           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
980     \sloppy\clubpenalty4000\widowpenalty4000%
981     \sfcode\`.\@m}
982 {\def\@noitemerr
983   {\@latex@warning{Empty `thebibliography' environment}}}%
984 \endlist}
985 \if@titlepage
986 \renewcommand*\TitleFont{\rmfamily}
987 \renewcommand*\maketitle{%
988   \begin{titlepage}%
989     \let\footnotesize\small
990     \let\right@footnoterule\relax
991     \let\left@footnoterule\relax
992     \let\textwidth\footnoterule\relax
993     \let \footnote \thanks
994     \long\def\@makefntext##1{\parindent\z@
995       \def\labelitemi{\textendash}\@revlabeltrue

```




```

996      \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
997      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
998      \if@compatibility\setcounter{page}{0}\fi
999      \null\vfil
1000     \vskip 60\p@
1001     \begin{center}%
1002       \TitleFont
1003       {\LARGE \def\\{\penalty -\@M}
1004         \if@allcaps
1005           \expandafter\uc@nothanks\@title\thanks\relax
1006         \else
1007           \@title
1008           \fi\par}%
1009     \vskip 3em%
1010     {\large
1011       \lineskip .75em \parindent\z@
1012       \begin{tabular}[t]{c}%
1013         \if@allcaps
1014           \expandafter\uc@authornothanks\@author\and\relax
1015         \else
1016           \@author
1017         \fi
1018       \end{tabular}\par}%
1019     \vskip 1.5em%
1020     {\large
1021       \if@allcaps
1022         \uppercase\expandafter{\@date}%
1023       \else
1024         \@date
1025       \fi\par}%
1026     \end{center}\par
1027     \@thanks
1028     \vfil\null
1029   \end{titlepage}%
1030   \setcounter{footnote}{0}%
1031   \global\let\thanks\relax
1032   \global\let\maketitle\relax
1033   \global\let\@thanks\@empty
1034   \global\let\@author\@empty
1035   \global\let\@title\@empty
1036   \global\let\@date\@empty
1037   \global\let\title\relax
1038   \global\let\author\relax
1039   \global\let\date\relax
1040   \global\let\and\relax
1041 }
1042 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1043 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1044   \futurelet\@tempa\uc@ax}
1045 \def\uc@ax{%
1046   \ifx\@tempa\relax
1047   \else
1048     \ \andname \ \ \expandafter\uc@authornothanks
1049   \fi}

```



```

1050 \def\uc@tx{\ifx\@tempa\relax
1051     \else \expandafter\uc@ty \fi}
1052 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1053 \else
1054 \renewcommand*\maketitle{\par
1055     \begingroup
1056     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1057     \long\def\@makefntext##1{\parindent\z@
1058         \def\labelitemi{\textendash}%
1059         \leavevmode\hb@xt@.5\unitindent{%
1060             \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1061     \if@twocolumn
1062         \ifnum \col@number=\@ne
1063             \@maketitle
1064         \else
1065             \twocolumn[\@maketitle]%
1066         \fi
1067     \else
1068         \newpage
1069         \global\@topnum\z@
1070         \@maketitle
1071     \fi
1072     \thispagestyle{plain}\@thanks
1073 \endgroup
1074 \setcounter{footnote}{0}%
1075 \global\let\thanks\relax
1076 \global\let\maketitle\relax
1077 \global\let\@maketitle\relax
1078 \global\let\@thanks\@empty
1079 \global\let\@author\@empty
1080 \global\let\@title\@empty
1081 \global\let\@date\@empty
1082 \global\let\title\relax
1083 \global\let\author\relax
1084 \global\let\date\relax
1085 \global\let\and\relax
1086 }
1087 \def\@maketitle{%
1088     \newpage
1089     \null
1090     \vskip 2em%
1091     \begin{center}%
1092         \let \footnote \thanks
1093         {\LARGE \TitleFont \@title \par}%
1094         \vskip 1.5em%
1095         {\large \TitleFont
1096             \lineskip .5em%
1097             \begin{tabular}[t]{c}%
1098                 \@author
1099             \end{tabular}\par}%
1100         \vskip 1em%
1101         {\large \TitleFont \@date}%
1102     \end{center}%
1103     \par

```



```

1104 \vskip 1.5em}
1105 \fi

```

12 File artikel3-xetex-bidi.def

```

1106 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class f
1107 \renewenvironment{theindex}{\%
1108 \if@twocolumn
1109 \@restonecolfalse
1110 \else
1111 \@restonecoltrue
1112 \fi
1113 \columnseprule \z@
1114 \columnsep 35\p@
1115 \twocolumn[\section*{\indexname}]{\MakeUppercase{\indexname}}}%
1116 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
1117 \thispagestyle{plain}\parindent\z@
1118 \parskip\z@ \@plus .3\p@\relax
1119 \let\item\@idxitem
1120 }{\%
1121 \if@restonecol\onecolumn\else\clearpage\fi}
1122 \renewcommand*{\head@style}{\%
1123 \interlinepenalty \@M
1124 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1125 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1126 \renewcommand*{\regtocline}[3]{\%
1127 \ifnum #1>\c@tocdepth
1128 \else
1129 \vskip\z@ \@plus .2\p@
1130 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1131 \if@RTL\rightskip\else\leftskip\fi\unitindent
1132 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1133 \parfillskip\z@
1134 \@tempdima\unitindent
1135 \parindent\z@
1136 \leavevmode
1137 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1138 \hskip 1em \nobreak{\slshape #3}\par
1139 }%
1140 \fi}
1141 \if@oldtoc
1142 \renewcommand*{\l@part}[2]{\%
1143 \ifnum \c@tocdepth >-2\relax
1144 \addpenalty\@secpenalty
1145 \addvspace{2.25em \@plus\p@}%
1146 \begingroup
1147 \setlength{\tempdima}{3em}%
1148 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1149 \parfillskip -\@pnumwidth
1150 {\leavevmode
1151 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1152 \nobreak
1153 \if@compatibility
1154 \global\@nobreaktrue

```



```

1155     \everypar{\global\@nobreakfalse\everypar{}}%
1156     \fi
1157   \endgroup
1158 \fi}
1159 \else
1160   \renewcommand*\l@part{%
1161     \ifnum \c@tocdepth >-2\relax
1162       \addpenalty\@secpenalty
1163       \addvspace{2.25em \@plus \p@}%
1164       \@regtocline{0}%
1165     \fi}
1166 \fi
1167
1168 \if@oldtoc
1169 \renewcommand*\l@section[2]{%
1170   \addpenalty\@secpenalty
1171   \addvspace{1.0em \@plus \p@}%
1172   \setlength\@tempdima{1.5em}%
1173   \begingroup
1174   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1175   \parfillskip -\@pnumwidth
1176   \leavevmode \bfseries
1177   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
1178   \hskip -\if@RTL\rightskip\else\leftskip\fi
1179   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1180   \endgroup}
1181 \else
1182   \renewcommand*\l@section{\@regtocline{1}}
1183 \fi
1184 \if@titlepage
1185   \renewenvironment{abstract}{%
1186     \titlepage
1187     \null\vfil
1188     \section*\SectFont\abstractname}%
1189     \noindent\ignorespaces}
1190     {\par\vfil\null\endtitlepage}
1191 \else
1192   \renewenvironment{abstract}{%
1193     \if@twocolumn
1194       \section*\abstractname}%
1195     \else
1196       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1197       \section*\small\SectFont\abstractname}%
1198       \noindent\ignorespaces
1199     \fi}
1200     {\if@twocolumn\else\par\egroup\fi}
1201 \fi
1202 \renewcommand*\left@footnoterule{%
1203   \kern-3\p@
1204   \kern.5\baselineskip
1205   \hrule\@width\unitindent
1206   \kern.4\baselineskip
1207 }
1208 \renewcommand*\right@footnoterule{%

```



```

1209 \kern-3\p@
1210 \kern.5\baselineskip
1211 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1212 \kern.4\baselineskip}
1213 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1214 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1215 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1216 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1217 \renewenvironment{thebibliography}[1]
1218     {\section*\refname}%
1219     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1220     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1221     \bidi@thebibliography@font@hook%
1222     \list{\@biblabel{\@arabic\c@enumiv}}%
1223         {\settowidth\labelwidth{\@biblabel{#1}}%
1224         \leftmargin\labelwidth
1225         \advance\leftmargin\labelsep
1226         \@openbib@code
1227         \usecounter{enumiv}%
1228         \let\p@enumiv\@empty
1229         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1230     \sloppy\clubpenalty4000\widowpenalty4000%
1231     \sfcode`. \@m}
1232     {\def\@noitemerr
1233     {\@latex@warning{Empty `thebibliography' environment}}}%
1234     \endlist}
1235 \if@titlepage
1236 \renewcommand*\TitleFont{\rmfamily}
1237 \renewcommand*\maketitle{%
1238 \begin{titlepage}%
1239 \let\footnotesize\small
1240 \let\right@footnoterule\relax
1241 \let\left@footnoterule\relax
1242 \let\textwidth\footnoterule\relax
1243 \let \footnote \thanks
1244 \long\def\@makefnmark##1{\parindent\z@
1245 \def\labelitemi{\textendash}\@revlabeltrue
1246 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1247 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1248 \if@compatibility\setcounter{page}{0}\fi
1249 \null\vfil
1250 \vskip 60\p@
1251 \begin{center}%
1252 \TitleFont
1253 {\LARGE \def\\{\penalty -\@M}
1254 \if@allcaps
1255 \expandafter\uc@nothanks\@title\thanks\relax
1256 \else
1257 \@title
1258 \fi\par}%
1259 \vskip 3em%
1260 {\large
1261 \lineskip .75em \parindent\z@
1262 \begin{tabular}[t]{c}%

```



```

1263         \if@allcaps
1264         \expandafter\uc@authornothanks \@author\and\relax
1265         \else
1266         \@author
1267         \fi
1268     \end{tabular}\par}%
1269     \vskip 1.5em%
1270     {\large
1271     \if@allcaps
1272     \uppercase\expandafter{\@date}%
1273     \else
1274     \@date
1275     \fi\par}%
1276     \end{center}\par
1277     \@thanks
1278     \vfil\null
1279 \end{titlepage}%
1280 \setcounter{footnote}{0}%
1281 \global\let\thanks\relax
1282 \global\let\maketitle\relax
1283 \global\let\@thanks\@empty
1284 \global\let\@author\@empty
1285 \global\let\@title\@empty
1286 \global\let\@date\@empty
1287 \global\let\title\relax
1288 \global\let\author\relax
1289 \global\let\date\relax
1290 \global\let\and\relax
1291 }
1292 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1293 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1294     \futurelet\@tempa\uc@ax}%
1295 \def\uc@ax{%
1296     \ifx\@tempa\relax
1297     \else
1298     \ \andname \ \ \expandafter\uc@authornothanks
1299     \fi}
1300 \def\uc@tx{\ifx\@tempa\relax
1301     \else \expandafter\uc@ty \fi}
1302 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1303 \else
1304 \renewcommand*\maketitle{\par
1305     \begin{group}
1306     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1307     \def\@makefnmark{\rlap{%
1308         \@textsuperscript{\normalfont\@thefnmark}}}%
1309     \long\def\@makefntext{\@xmakefntext{%
1310         \@textsuperscript{\normalfont\@thefnmark}}}%
1311     \if@twocolumn
1312     \ifnum \col@number=\@ne
1313     \@maketitle
1314     \else
1315     \twocolumn[\@maketitle]%
1316     \fi

```



```

1317 \else
1318 \newpage
1319 \global\@topnum\z@
1320 \@maketitle
1321 \fi
1322 \thispagestyle{plain}\@thanks
1323 \endgroup
1324 \setcounter{footnote}{0}%
1325 \global\let\thanks\relax
1326 \global\let\maketitle\relax
1327 \global\let\@maketitle\relax
1328 \global\let\@thanks\@empty
1329 \global\let\@author\@empty
1330 \global\let\@title\@empty
1331 \global\let\@date\@empty
1332 \global\let\title\relax
1333 \global\let\author\relax
1334 \global\let\date\relax
1335 \global\let\and\relax
1336 }
1337 \def\@maketitle{%
1338 \newpage
1339 \null
1340 \vskip 2em%
1341 \if@titlecentered
1342 \begin{center}%
1343 \let \footnote \thanks
1344 {\LARGE \TitleFont \@title \par}%
1345 \vskip 1.5em%
1346 {\large \TitleFont
1347 \lineskip .5em%
1348 \begin{tabular}[t]{c}%
1349 \@author
1350 \end{tabular}\par}%
1351 \vskip 1em%
1352 {\large \TitleFont \@date}%
1353 \end{center}%
1354 \else
1355 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1356 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1357 \def\and{%% \begin{tabular} has already started
1358 \end{tabular}\hskip 1em plus .17fil
1359 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}%
1360 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}%
1361 \vskip 1em {\large \TitleFont \@date}
1362 \fi
1363 \par
1364 \vskip 1.5em}
1365 \fi

```

13 File arydshln-xetex-bidi.def

```

1366 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1367 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTL\begin{array}\endR\egroup\fi\egroup

```



```

1368 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1369 \expandafter\let\csname endtabular*\endcsname\endtabular
1370 \let\adl@array\@array
1371 \def\@array{\adl@everyvbox\everyvbox
1372     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1373     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1374     \let\adl@noalign\noalign
1375     \adl@array}
1376 \ifadl@usingarypkg
1377 \def\@testpach{\@chclass
1378 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1379 \ifnum \@lastchclass=7 5 \else
1380 \ifnum \@lastchclass=8 \tw@ \else
1381 \ifnum \@lastchclass=9 \thr@@
1382 \else \z@
1383 \ifnum \@lastchclass = 10 \else
1384 \edef\@nextchar{\expandafter\string\@nextchar}%
1385 \@chnum
1386 \if \@nextchar c\z@ \else
1387 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1388 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1389 \z@ \@chclass
1390 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1391 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1392 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1393 \if \@nextchar !6 \else
1394 \if \@nextchar @7 \else
1395 \if \@nextchar <8 \else
1396 \if \@nextchar >9 \else
1397 10
1398 \@chnum
1399 \if \@nextchar m\thr@@\else
1400 \if \@nextchar p4 \else
1401 \if \@nextchar b5 \else
1402 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1403 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1404
1405 \def\@classz{\@classx
1406     \@tempcnta \count@
1407     \prepnext@tok
1408     \@addtopreamble{\ifcase \@chnum
1409         \hfil
1410         \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1411         \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1412         \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1413         \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1414         \adl@endmbox\or
1415         \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1416         \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1417         \fi}\prepnext@tok}
1418 \def\adl@class@start{4}
1419 \def\adl@class@iiiorvii{7}
1420
1421 \else

```




```

1422 \def \@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1423     \ifnum \@lastchclass=\thr@@ 5\relax \else
1424         \z@ \if #1c\@chnum \z@ \else
1425             \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1426             \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1427         \@chclass
1428             \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1429             \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1430             \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1431             \if #1@\tw@ \else
1432             \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1433     \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1434
1435 \def \@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1436     \or \or \@addamp \or
1437     \@acolampacol \or \@firststampfalse \@acol \fi
1438     \edef \@preamble{\@preamble
1439         \ifcase \@chnum
1440             \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1441             \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1442             \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1443 \def \@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1444     \or \or \@addamp \or
1445     \@acolampacol \or \@firststampfalse \@acol \fi
1446     \edef \@preamble{\@preamble
1447         \ifcase \@chnum
1448             \hfil\adl@putlrc{\@sharp\unskip}\hfil
1449             \or \adl@putlrc{\@sharp\unskip}\hfil
1450             \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1451 \def \adl@class@start{6}
1452 \def \adl@class@iiiorvii{3}
1453 \fi
1454 \ifpackageloaded{colortbl}{%
1455 \def \adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1456 \def \adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1457     \let\@endpbox\adl@org@endpbox}
1458 \let \adl@CT@setup\CT@setup
1459 \def \CT@setup{\adl@CT@setup
1460     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1461     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1462     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1463 \let \adl@act@CT@setup\CT@setup
1464 \def \@classz{\@classx
1465     \@tempcnta\count@ \prepnext@tok
1466     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1467     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1468     \expandafter\adl@extract@drsc
1469         \the\toks\@tempcnta\doublerulesepcolor!\@nil
1470     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1471     \@addtopreamble{\if@RTL\beginL\fi%
1472         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1473         \ifcase \@chnum
1474             \hskip\stretch{.5}\kern\z@
1475             \dollarbegin

```



```

1476             \insert@column
1477             \d@llarend\hskip\stretch{.5}%
1478         \or \d@llarbegin \insert@column \d@llarend \hfill
1479         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1480         \or $\vcenter
1481             \@startpbox{\@nextchar}\insert@column \@endpbox $\%
1482         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1483         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1484         \fi
1485     \if@RTL\endR\fi\egroup\egroup
1486     \beginngroup
1487         \CT@setup
1488         \CT@column@color
1489         \CT@row@color
1490         \CT@cell@color
1491         \CT@do@color
1492     \endgroup
1493     \@tempdima\ht\z@
1494     \advance\@tempdima\minrowclearance
1495     \vrule\@height\@tempdima\@width\z@
1496     \unhbox\z@\if@RTL\endL\fi}%
1497     \prepnext@tok}
1498 \let\adl@act@classz\@classz
1499 \let\adl@org@classz\@classz
1500 }{}

```

14 File beamer-xetex-bidi.def

```

1501 \ProvidesFile{beamer-xetex-bidi.def}[2022/06/07 v0.3 bidi adaptations for beamer class for Xe
1502 \AtBeginDocument{%
1503     \if@RTLmain
1504         \raggedleft
1505     \else
1506         \raggedright
1507     \fi
1508 }
1509
1510 \renewcommand*{\bidi@beamer@ragged}{%
1511     \if@RTL
1512         \raggedleft
1513     \else
1514         \raggedright
1515     \fi
1516 }
1517
1518

```

15 File beamerbaseauxtemplates-xetex-bidi.def

```

1519 \ProvidesFile{beamerbaseauxtemplates-xetex-bidi.def}[2022/06/06 v0.2 bidi adaptations for be
1520 \bidi@csundef{beamer@tmpop@section in toc@circle}
1521
1522 \bidi@csundef{beamer@tmpop@subsection in toc@circle}
1523

```



```

1524 \bidi@csundef{beamer@@tmpop@subsubsection in toc@circle}
1525
1526 \defbeamertemplate{section in toc}{circle}
1527 {\leavevmode\bidi@beamer@leftskip=2ex%
1528   \llap{%
1529     \usebeamerfont*{section number projected}%
1530     \usebeamercolor{section number projected}%
1531     \begin{pgfpicture}{-1ex}{0ex}{1ex}{2ex}
1532       \color{bg}
1533       \pgfpathcircle{\pgfpoint{0pt}{.75ex}}{1.2ex}
1534       \pgfusepath{fill}
1535       \pgftext[base]{\color{fg}\inserttocsectionnumber}
1536     \end{pgfpicture}\kern1.25ex%
1537   }%
1538   \inserttocsection\par}
1539
1540 \defbeamertemplate{subsection in toc}{circle}
1541 {\leavevmode\bidi@beamer@leftskip=2em\inserttocsubsection\par}
1542
1543 \defbeamertemplate{subsubsection in toc}{circle}
1544 {\leavevmode\normalsize\usebeamerfont{subsection in
1545   toc}\bidi@beamer@leftskip=3em\usebeamerfont{subsubsection in toc}%
1546   \inserttocsubsubsection\par}
1547
1548 \bidi@csundef{beamer@@tmpop@section in toc@square}
1549
1550 \bidi@csundef{beamer@@tmpop@subsection in toc@square}
1551
1552 \bidi@csundef{beamer@@tmpop@subsubsection in toc@square}
1553
1554 \bidi@csundef{beamer@@tmpop@enumerate item@square}
1555
1556 \bidi@csundef{beamer@@tmpop@enumerate subitem@square}
1557
1558 \bidi@csundef{beamer@@tmpop@enumerate subsubitem@square}
1559
1560 \bidi@csundef{beamer@@tmpop@enumerate mini template@square}
1561
1562 \defbeamertemplate{section in toc}{square}
1563 {\leavevmode\bidi@beamer@leftskip=1.75ex%
1564   \llap{{%
1565     \usebeamerfont*{section number projected}%
1566     \usebeamercolor[bg]{section number projected}%
1567     \if@RTL
1568     \else
1569       \vrule width2.25ex height1.85ex depth.4ex%
1570       \hskip-2.25ex%
1571     \fi
1572     \hbox to2.25ex{{\hfil\color{fg}\inserttocsectionnumber\hfil}}}%
1573     \if@RTL
1574       \hskip-2.25ex%
1575       \vrule width2.25ex height1.85ex depth.4ex%
1576     \fi
1577   }}%

```



```

1578 \kern1.25ex\inserttocsection\par}
1579
1580 \defbeamertemplate{subsection in toc}{square}
1581 {\leavevmode\bidibeamer@leftskip=5ex\llap{%
1582   \usebeamercolor[bg]{subsection number projected}%
1583   \vrule width1ex height1ex\kern1ex}}\inserttocsubsection\par}
1584
1585 \defbeamertemplate{subsubsection in toc}{square}
1586 {\leavevmode\normalsize\usebeamerfont{subsection in
1587   toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1588   \llap{%
1589     \usebeamercolor[bg]{subsubsection number projected}%
1590     \vrule width0.75ex height0.75ex\kern1ex}}\inserttocsubsubsection\par}
1591
1592 \defbeamertemplate{enumerate item}{square}
1593 {
1594   \hbox{%
1595     \usebeamerfont*{item projected}%
1596     \usebeamercolor[bg]{item projected}%
1597     \if@RTL
1598     \else
1599       \vrule width2.25ex height1.85ex depth.4ex%
1600       \hskip-2.25ex%
1601     \fi
1602     \hbox to2.25ex{%
1603       \hfil%
1604       \color{fg}\insertenumlabel%
1605       \hfil}}%
1606     \if@RTL
1607       \hskip-2.25ex%
1608       \vrule width2.25ex height1.85ex depth.4ex%
1609     \fi
1610   }%
1611 }
1612 [action]
1613 {\setbeamerfont{item projected}{size=\scriptsize}}
1614
1615 \defbeamertemplate{enumerate subitem}{square}
1616 {
1617   \hbox{%
1618     \usebeamerfont*{subitem projected}%
1619     \usebeamercolor[bg]{subitem projected}%
1620     \if@RTL
1621     \else
1622       \vrule width2.25ex height1.85ex depth.4ex%
1623       \hskip-2.25ex%
1624     \fi
1625     \hbox to2.25ex{%
1626       \hfil%
1627       \color{fg}\insertsubenumlabel%
1628       \hfil}}%
1629     \if@RTL
1630       \hskip-2.25ex%
1631       \vrule width2.25ex height1.85ex depth.4ex%

```



```

1632     \fi
1633   }}%
1634 }
1635
1636 \defbeamertemplate{enumerate subsubitem}{square}
1637 {
1638   \hbox{%
1639     \usebeamerfont*{subitem projected}%
1640     \usebeamercolor[bg]{subsubitem projected}%
1641     \if@RTL
1642     \else
1643       \vrule width2.25ex height1.85ex depth.4ex%
1644       \hskip-2.25ex%
1645     \fi
1646     \hbox to2.25ex{%
1647       \hfil%
1648       \color{fg}\insertsubsubenumlabel%
1649       \hfil}}%
1650     \if@RTL
1651       \hskip-2.25ex%
1652       \vrule width2.25ex height1.85ex depth.4ex%
1653     \fi
1654   }}%
1655 }
1656
1657 \defbeamertemplate{enumerate mini template}{square}
1658 {
1659   \hbox{%
1660     \usebeamerfont*{\beameritemnestingprefix item projected}%
1661     \usebeamercolor[bg]{\beameritemnestingprefix item projected}%
1662     \if@RTL
1663     \else
1664       \vrule width2.25ex height1.85ex depth.4ex%
1665       \hskip-2.25ex%
1666     \fi
1667     \hbox to2.25ex{%
1668       \hfil%
1669       \color{fg}\insertenumlabel%
1670       \hfil}}%
1671     \if@RTL
1672       \hskip-2.25ex%
1673       \vrule width2.25ex height1.85ex depth.4ex%
1674     \fi
1675   }}%
1676 }
1677
1678 \bidi@csundef{beamer@@tmpop@section in toc@ball}
1679
1680 \bidi@csundef{beamer@@tmpop@subsection in toc@ball}
1681
1682 \bidi@csundef{beamer@@tmpop@subsubsection in toc@ball}
1683
1684 \defbeamertemplate{section in toc}{ball}
1685 {\leavevmode\bidi@beamer@leftskip=2.75ex%

```



```

1686 \llap{%
1687   \normalsize%
1688   \begin{pgfpicture}{-1ex}{-0.7ex}{1ex}{1ex}
1689     \pgftext{\beamer@usesphere{section number projected}{tocsphere}}
1690     \pgftext{%
1691       \usebeamerfont*{section number projected}%
1692       \usebeamerfont*{section number projected}%
1693       \color{fg!90!bg}%
1694       \inserttocsectionnumber}
1695   \end{pgfpicture}%
1696   \kern1.25ex}%
1697 \inserttocsection\par
1698 }
1699 [action]
1700 {\setbeamerfont{section number projected}{size=\scriptsize}}
1701
1702 \defbeamertemplate{subsection in toc}{ball}
1703 {\leavevmode\bidibeamer@leftskip=5ex%
1704   \llap{\raise0.1ex\beamer@usesphere{subsection number projected}{bigsphere}\kern1ex}%
1705   \inserttocsubsection\par%
1706 }
1707
1708 \defbeamertemplate{subsubsection in toc}{ball}
1709 {\leavevmode\normalsize\usebeamerfont{subsection in
1710   toc}\bidibeamer@leftskip=7ex\usebeamerfont{subsubsection in toc}%
1711   \llap{\beamer@usesphere{subsubsection number projected}{bigsphere}\kern0.75ex}%
1712   \inserttocsubsubsection\par%
1713 }
1714
1715 \bidicsundef{beamer@@tmpop@block begin@rounded}
1716
1717 \bidicsundef{beamer@@tmpop@block alerted begin@rounded}
1718
1719 \bidicsundef{beamer@@tmpop@block example begin@rounded}
1720
1721 \defbeamertemplate{block begin}{rounded}[1][shadow=false]
1722 {%
1723   \par\vskip\medskipamount%
1724   \begin{beamerboxesrounded}[upper=block title,lower=block body,#1]%
1725     {\raggedright\usebeamerfont*{block title}\insertblocktitle}%
1726     \bidibeamer@ragged%
1727     \usebeamerfont{block body}%
1728   }
1729
1730 \defbeamertemplate{block alerted begin}{rounded}[1][shadow=false]
1731 {%
1732   \par\vskip\medskipamount%
1733   \begin{beamerboxesrounded}[upper=block title alerted,lower=block body alerted,#1]%
1734     {\raggedright\usebeamerfont*{block title alerted}\insertblocktitle}%
1735     \bidibeamer@ragged%
1736     \usebeamerfont{block body alerted}%
1737   }%
1738
1739 \defbeamertemplate{block example begin}{rounded}[1][shadow=false]

```



```

1740 {%
1741   \par\vskip\medskipamount%
1742   \begin{beamerboxesrounded}[upper=block title example,lower=block body example,#1]
1743     {\raggedright\usebeamerfont*{block title example}\insertblocktitle}%
1744     \bidi@beamer@ragged%
1745     \usebeamerfont{block body example}%
1746 }%
1747

```

16 File beamerbaseboxes-xetex-bidi.def

```

1748 \ProvidesFile{beamerbaseboxes-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for beamerbas
1749 \renewcommand\beamerboxesrounded[2] [] {%
1750   \global\let\beamer@firstlineitemizeunskip=\relax%
1751   \vbox\bgroup%
1752   \setkeys{beamerboxes}{upper=block title,lower=block body,width=\textwidth,shadow=false}%
1753   \setkeys{beamerboxes}{#1}%
1754   {%
1755     \usebeamercolor{\bmb@lower}%
1756     \globalcolorstrue%
1757     \colorlet{lower.bg}{bg}%
1758   }%
1759   {%
1760     \usebeamercolor{\bmb@upper}%
1761     \globalcolorstrue%
1762     \colorlet{upper.bg}{bg}%
1763   }%
1764   %
1765   % Typeset head
1766   %
1767   \vskip4bp
1768   \setbox\bmb@box=\hbox{%
1769     \begin{minipage}[b]{\bmb@width}%
1770       \usebeamercolor{fg}{\bmb@upper}%
1771       #2%
1772     \end{minipage}}%
1773   \ifdim\wd\bmb@box=0pt%
1774     \setbox\bmb@box=\hbox{%
1775       \ht\bmb@box=1.5pt%
1776       \bmb@prevheight=-4.5pt%
1777     \else%
1778       \wd\bmb@box=\bmb@width%
1779       \bmb@temp=\dp\bmb@box%
1780       \ifdim\bmb@temp<1.5pt%
1781         \bmb@temp=1.5pt%
1782       \fi%
1783       \setbox\bmb@box=\hbox{\raise\bmb@temp\hbox{\box\bmb@box}}%
1784       \dp\bmb@box=0pt%
1785       \bmb@prevheight=\ht\bmb@box%
1786     \fi%
1787     \bmb@temp=\bmb@width%
1788     \bmb@dima=\bmb@temp\advance\bmb@dima by2.2bp%
1789     \bmb@dimb=\bmb@temp\advance\bmb@dimb by4bp%
1790     \hbox{%

```



```

1791 \begin{pgfpicture}{0bp}{+-\ht\bmb@box}{0bp}{+-\ht\bmb@box}
1792 \ifdim\wd\bmb@box=0pt%
1793 \color{lower.bg}%
1794 \else%
1795 \color{upper.bg}%
1796 \fi%
1797 \pgfpathqmoveto{-4bp}{-1bp}
1798 \pgfpathqcurveto{-4bp}{1.2bp}{-2.2bp}{3bp}{0bp}{3bp}
1799 \pgfpathlineto{\pgfpoint{\bmb@temp}{3bp}}
1800 \pgfpathcurveto%
1801 {\pgfpoint{\bmb@dima}{3bp}}%
1802 {\pgfpoint{\bmb@dimb}{1.2bp}}%
1803 {\pgfpoint{\bmb@dimb}{-1bp}}%
1804 \bmb@dima=-\ht\bmb@box%
1805 \advance\bmb@dima by-2pt%
1806 \pgfpathlineto{\pgfpoint{\bmb@dimb}{\bmb@dima}}
1807 \pgfpathlineto{\pgfpoint{-4bp}{\bmb@dima}}
1808 \pgfusepath{fill}
1809 \end{pgfpicture}%
1810 \copy\bmb@box%
1811 }%
1812 \nointerlineskip%
1813 \vskip-1pt%
1814 \ifdim\wd\bmb@box=0pt%
1815 \else%
1816 \hbox{%
1817 \begin{pgfpicture}{0pt}{0pt}{\bmb@width}{6pt}
1818 \bmb@dima=\bmb@width%
1819 \advance\bmb@dima by8bp%
1820 \pgfpathrectangle{\pgfpoint{-4bp}{-1bp}}{\pgfpoint{\bmb@dima}{8bp}}
1821 \pgfusepath{clip}
1822 {\pgftransformshift{\pgfpoint{-4bp}{0bp}}\pgftext[left,base]{\pgfuses shading{\bmb@transi
1823 \end{pgfpicture}%
1824 }%
1825 \nointerlineskip%
1826 \vskip-0.5pt%
1827 \fi%
1828 \setbox\bmb@colorbox=\hbox{\pgfpicturetrue\pgfsetcolor{lower.bg}}}%
1829 \setbox\bmb@box=\hbox\bgroup\begin{minipage}[b]{\bmb@width}%
1830 \vskip2pt%
1831 \usebeamercolor[fg]{\bmb@lower}%
1832 \colorlet{beamerstructure}{upper.bg}%
1833 \colorlet{structure}{upper.bg}%
1834 %\color{.}%
1835 \@bidi@list@minipage@parboxfalse
1836 }
1837
1838 \bidi@patchcmd{\endbeamerboxesrounded}{\begingroup}{%
1839 \begingroup
1840 \@RTLfalse
1841 }{}{}
1842
1843

```



17 File beamerbasecolor-xetex-bidi.def

```

1844 \ProvidesFile{beamerbasecolor-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for beamerbas
1845 \renewenvironment{beamercolorbox}[2] [] {%
1846   \def\beamer@vmode{\leavevmode}%
1847   \setkeys{beamercolbox}{wd=\textwidth,ht={},dp={},%
1848     leftskip=0pt,rightskip=0pt plus1fil,%
1849     sep=0pt,colsep=0pt,colsep*=0pt,%
1850     shadow=false,rounded=false,ignorebg=false}%
1851   \if@RTL
1852     \setkeys{beamercolbox}{rightskip=0pt,leftskip=0pt plus1fil}%
1853   \else
1854     \setkeys{beamercolbox}{leftskip=0pt,rightskip=0pt plus1fil}%
1855   \fi
1856   \setkeys{beamercolbox}{#1}%
1857   \ifbeamercoloreempty[bg]{#2}{\@tempswafalse}{\@tempswatruetrue}%
1858   \ifbeamer@colbox@ignorebg\@tempswafalse\fi%
1859   \def\beamer@colbox@color{#2}%
1860   \setbox\beamer@tempbox=\hbox\bgroup\color@begingroup
1861     \ifbeamer@colbox@ignorebg%
1862       \colorlet{beamer@temp@color}{bg}%
1863       \usebeamercolor[fg]{#2}%
1864       \colorlet{bg}{beamer@temp@color}%
1865     \else%
1866       \usebeamercolor[fg]{#2}%
1867     \fi%
1868     \beginL
1869     \vbox\bgroup%
1870     \hsize=\beamer@colbox@wd%
1871     \@arrayparboxrestore%
1872     \leftskip=\beamer@colbox@ls%
1873     \ifdim\beamer@colbox@sep>\z@\advance\leftskip\beamer@colbox@sep\fi%
1874     \rightskip=\beamer@colbox@rs%
1875     \ifdim\beamer@colbox@sep>\z@\advance\rightskip\beamer@colbox@sep\fi%
1876     \if@tempswa\ifdim\beamer@colbox@colsep>\z@%
1877       \advance\leftskip by\beamer@colbox@colsep%
1878       \advance\rightskip by\beamer@colbox@colsep%
1879       \vskip\beamer@colbox@colsep%
1880     \fi%
1881     \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1882     \fi%
1883     \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1884     \beamer@vmode\ignorespaces}%
1885     \ifdim\beamer@colbox@sep>\z@\vskip\beamer@colbox@sep\fi%
1886     \if@tempswa
1887       \ifdim\beamer@colbox@colsep>\z@\vskip\beamer@colbox@colsep\fi%
1888       \ifdim\beamer@colbox@colseps>\z@\vskip\beamer@colbox@colseps\fi%
1889     \fi%
1890   \egroup\endL\color@endgroup\egroup%
1891   \wd\beamer@tempbox=\beamer@colbox@wd%
1892   \ifx\beamer@colbox@ht\empty\else\ht\beamer@tempbox=\beamer@colbox@ht\fi%
1893   \ifx\beamer@colbox@dp\empty\else\dp\beamer@tempbox=\beamer@colbox@dp\fi%
1894   \ifbeamer@colbox@rounded%
1895     \if@tempswa%

```



```

1896 \begin{beamerboxesrounded}[%
1897   shadow=\beamer@colbox@shadow,%
1898   lower=\beamer@colbox@color,%
1899   upper=normal text,%
1900   width=\beamer@colbox@wd]{}%
1901   \box\beamer@tempbox%
1902 \end{beamerboxesrounded}%
1903 \else%
1904   \ifdim\wd\beamer@tempbox>\textwidth%
1905     \setbox\beamer@tempbox=\hbox to\textwidth{\hss\box\beamer@tempbox\hss}%
1906   \fi%
1907   \box\beamer@tempbox%
1908 \fi%
1909 \else%
1910   \if@tempswa\setbox\beamer@tempbox=\hbox{%
1911     \usebeamercolor{\beamer@colbox@color}%
1912     \hskip-\beamer@colbox@colseps%
1913     \fboxsep=\z@\colorbox{bg}{}%
1914     \hskip\beamer@colbox@colseps%
1915     \box\beamer@tempbox%
1916     \hskip\beamer@colbox@colseps%
1917   }%
1918   \hskip-\beamer@colbox@colseps%
1919   }\fi%
1920   \ifdim\wd\beamer@tempbox>\textwidth%
1921     \setbox\beamer@tempbox=\hbox to\textwidth{\hskip0pt minus\beamer@leftmargin\relax\box\beamer@tempbox}%
1922   \fi%
1923   \box\beamer@tempbox%
1924 \fi%
1925 }
1926
1927

```

18 File beamerbaseframecomponents-xetex-bidi.def

```

1928 \ProvidesFile{beamerbaseframecomponents-xetex-bidi.def}[2022/06/09 v0.3 bidi adaptations for
1929 \renewcommand{\setbeamersize}[1]{%
1930   \beamer@dogeometryfalse%
1931   \setkeys{beamer@margin}{#1}%
1932   \ifbeamer@dogeometry%
1933     % Reset left margin now
1934     \beamer@tempdim=\beamer@leftmargin%
1935     \advance\beamer@tempdim by\beamer@leftsidebar%
1936     \if@RTLmain
1937       \geometry{right=\the\beamer@tempdim}%
1938     \else
1939       \geometry{left=\the\beamer@tempdim}%
1940     \fi
1941     % Reset right margin now
1942     \beamer@tempdim=\beamer@rightmargin%
1943     \advance\beamer@tempdim by\beamer@rightsidebar%
1944     \if@RTLmain
1945       \geometry{left=\the\beamer@tempdim}%
1946     \else

```



```

1947     \geometry{right=\the\beamer@tempdim}%
1948     \fi
1949 \fi%
1950 }
1951
1952 \newcommand*{\bidi@beamer@Gm@lmargin}{%
1953   \if@RTLmain
1954     \Gm@rmargin
1955   \else
1956     \Gm@lmargin
1957   \fi
1958 }
1959
1960 \newcommand*{\bidi@beamer@Gm@rmargin}{%
1961   \if@RTLmain
1962     \Gm@lmargin
1963   \else
1964     \Gm@rmargin
1965   \fi
1966 }
1967
1968 \def\ps@navigation{
1969   \def\@oddhead{%
1970     \begingroup%
1971     \setbox\beamer@tempbox=\hbox{\usebeamertemplate***{background canvas}\hyper@pagetransition}%
1972     \beamer@tempdim=\ht\beamer@tempbox%
1973     \setbox\beamer@tempbox=\hbox{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}%
1974     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
1975     \setbox\@tempboxa=\hbox{\usebeamertemplate***{background}}%
1976     \beamer@tempdim=\ht\@tempboxa%
1977     \setbox\@tempboxa=\hbox{\lower\beamer@tempdim\hbox{\box\@tempboxa}}%
1978     \wd\@tempboxa=0pt\ht\@tempboxa=0pt\dp\@tempboxa=0pt%
1979     \vbox{\hbox{\hskip-\bidi@beamer@Gm@lmargin\box\beamer@tempbox\box\@tempboxa}}%
1980     \hbox{%
1981       {%
1982         \setbox\beamer@tempbox=\hbox{\hskip-\bidi@beamer@Gm@lmargin}%
1983         \if@RTLmain
1984           {%
1985             \vbox to \sidebarheight{%
1986               \usebeamertemplate***{sidebar left}%
1987             }%
1988           }%
1989           \@ifpackageloaded{beamerinnerthemeinmargin}{}{%
1990             \hskip-\textwidth
1991           }%
1992         \fi
1993       }{\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
1994         \usebeamercolor*{sidebar left}%
1995         \usebeamertemplate{sidebar canvas left}%
1996         \vss%
1997       }}%
1998       \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
1999       \box\beamer@tempbox}%
2000     \if@RTLmain

```



```

2001         \else
2002         {%
2003         \vbox to \sidebarheight{%
2004             \usebeamertemplate***{sidebar left}%
2005             \vfil%
2006         }}\fi}%
2007         \beamer@tempdim=\ht\beamer@tempbox%
2008         \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2009         \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2010         \box\beamer@tempbox%
2011     }%
2012     {% print right sidebar first, since it should be overwritten by headline
2013         \setbox\beamer@tempbox=\hbox{\hskip\textwidth\hskip\beamer@rightmargin%
2014         \if@RTLmain
2015             {%
2016                 \vbox to \sidebarheight{%
2017                     \usebeamertemplate***{sidebar right}%
2018                     \vfil%
2019                 }}%
2020                 \hskip-\textwidth
2021                 \fi
2022                 {\setbox\beamer@tempbox=\hbox{\vbox to \sidebarheight{%
2023                     \usebeamercolor*{sidebar right}%
2024                     \usebeamertemplate{sidebar canvas right}%
2025                     \vss%
2026                 }}%
2027                     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2028                     \box\beamer@tempbox}%
2029                     \if@RTLmain
2030                     \else
2031                     {%
2032                         \vbox to \sidebarheight{%
2033                             \usebeamertemplate***{sidebar right}%
2034                             \vfil%
2035                         }}\fi}%
2036                     \beamer@tempdim=\ht\beamer@tempbox%
2037                     \setbox\beamer@tempbox=\hbox{{\lower\beamer@tempdim\hbox{\box\beamer@tempbox}}}%
2038                     \wd\beamer@tempbox=0pt\ht\beamer@tempbox=0pt\dp\beamer@tempbox=0pt%
2039                     \box\beamer@tempbox%
2040                 }%
2041                 \beamer@typesetheadorfoot{headline}%
2042             }%
2043             \hfil}%
2044         \endgroup}
2045     \def\@oddfoot{%
2046         \vbox{\offinterlineskip\hbox{\beamer@typesetheadorfoot{footline}%
2047         \hfil}\hbox{}}\hfil
2048     }%
2049     \let\@evenhead\@oddhead
2050     \let\@evenfoot\@oddfoot}
2051
2052 \AtBeginDocument{%
2053     \pagestyle{navigation}%
2054 }

```



```

2055
2056 \def\beamer@typesetheadorfoot#1{% typeset the head or footline
2057   {\parskip0pt\offinterlineskip%
2058     \hbox{%
2059       \hskip-\bidi@beamer@Gm@lmargin%
2060       \hbox{%
2061         \vbox{%
2062           \@tempdima=\textwidth%
2063           \textwidth=\paperwidth%
2064           \hsize=\textwidth%
2065           \def\{\,%
2066             \usebeamertemplate***{#1}%
2067           }%
2068           \hskip-\bidi@beamer@Gm@rmargin%
2069         }\hfil%
2070 }
2071
2072 \renewcommand<>\beamer@columncom[2][\beamer@colmode]{%
2073   \beamer@colclose%
2074   \def\beamer@colclose{\end{minipage}\hfill\end{actionenv}\ignorespaces}%
2075 \begin{actionenv}#3%
2076   \setkeys{beamer@col}{#1}%
2077   \begin{minipage}[\beamer@colalign]{#2}%
2078     \leavevmode\bidi@beamer@ragged\beamer@colheadskip\ignorespaces}
2079
2080 \renewenvironment<>{columns}[1][{%
2081   \begin{actionenv}#2%
2082   \ifbeamer@onlytextwidth
2083     \def\beamer@colentrycode{\hbox to\textwidth\bgroup\ignorespaces}%
2084     \def\beamer@colexitcode{\unskip\egroup}
2085   \else%
2086     \def\beamer@colentrycode{%
2087       \hbox to\textwidth\bgroup%
2088       \leavevmode%
2089       \hskip-\beamer@leftmargin%
2090       \nobreak%
2091       \beamer@tempdim=\textwidth%
2092       \advance\beamer@tempdim by\beamer@leftmargin%
2093       \advance\beamer@tempdim by\beamer@rightmargin%
2094       \hbox to\beamer@tempdim\bgroup%
2095       \hbox{}\hfill\ignorespaces}%
2096     \def\beamer@colexitcode{\egroup%
2097       \nobreak%
2098       \hskip-\beamer@rightmargin\egroup}%
2099   \fi%
2100   \ifbeamer@centered\setkeys{beamer@col}{c}\else\setkeys{beamer@col}{t}\fi%
2101   \setkeys{beamer@col}{#1}%
2102   \par%
2103   \leavevmode
2104   \beamer@colentrycode%
2105   \def\beamer@colclose{}\ignorespaces}%
2106 {\beamer@colclose\def\beamer@colclose{}\beamer@colexitcode\end{actionenv}}%
2107
2108

```



```

2109 \def\@makeRTLfntext#1{%
2110   \def\insertfootnotetext{#1}%
2111   \def\insertfootnotemark{\@makefnmark}%
2112   \usebeamertemplate***{RTLfootnote}}
2113
2114 \def\@makeLTRfntext#1{%
2115   \def\insertfootnotetext{#1}%
2116   \def\insertfootnotemark{\@makefnmark}%
2117   \usebeamertemplate***{LTRfootnote}}
2118
2119 \renewcommand<>\beamer@framefootnotetext[1]{%
2120   \global\setbox\beamer@footins\vbox{%
2121     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
2122     \hsize\framewidth
2123     \textwidth\hsize
2124     \columnwidth\hsize
2125     \unvbox\beamer@footins
2126     \reset@font
2127     \bidi@@footnotetext@font
2128     \@parboxrestore
2129     \protected@edef\@currentlabel
2130       {\csname p@footnote\endcsname\@thefnmark}%
2131     \color@begingroup
2132       \uncover#2{\@makefntext{%
2133         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2134     \color@endgroup}}
2135
2136 \renewcommand<>\beamer@frameRTLfootnotetext[1]{%
2137   \global\setbox\beamer@footins\vbox{%
2138     \@RTLtrue
2139     \hsize\framewidth
2140     \textwidth\hsize
2141     \columnwidth\hsize
2142     \unvbox\beamer@footins
2143     \reset@font
2144     \bidi@@RTLfootnotetext@font
2145     \@parboxrestore
2146     \protected@edef\@currentlabel
2147       {\csname p@footnote\endcsname\@thefnmark}%
2148     \color@begingroup
2149       \uncover#2{\@makeRTLfntext{%
2150         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2151     \color@endgroup}}
2152
2153 \renewcommand<>\beamer@frameLTRfootnotetext[1]{%
2154   \global\setbox\beamer@footins\vbox{%
2155     \@RTLfalse
2156     \hsize\framewidth
2157     \textwidth\hsize
2158     \columnwidth\hsize
2159     \unvbox\beamer@footins
2160     \reset@font
2161     \bidi@@LTRfootnotetext@font
2162     \@parboxrestore

```



```

2163 \protected@edef\@currentlabel
2164     {\csname p@footnote\endcsname\@thefnmark}%
2165 \color@begingroup
2166     \uncover#2{\@makeLTRfntext{%
2167         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2168 \color@endgroup}}
2169
2170 \renewcommand<>\@mpfootnotetext[1]{%
2171 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnoterule
2172 \global\setbox\@mpfootins\vbox{%
2173     \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi
2174     \unvbox\@mpfootins
2175     \reset@font
2176     \bidi@mpfootnotetext@font
2177     \hsize\columnwidth
2178     \@parboxrestore
2179     \protected@edef\@currentlabel
2180         {\csname p@mpfootnote\endcsname\@thefnmark}%
2181     \color@begingroup
2182         \uncover#2{\@makefntext{%
2183             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2184     \color@endgroup}}
2185
2186 \renewcommand<>\@mpRTLfootnotetext[1]{%
2187 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule
2188 \global\setbox\@mpfootins\vbox{%
2189     \@RTLtrue
2190     \unvbox\@mpfootins
2191     \reset@font
2192     \bidi@mpRTLfootnotetext@font
2193     \hsize\columnwidth
2194     \@parboxrestore
2195     \protected@edef\@currentlabel
2196         {\csname p@mpfootnote\endcsname\@thefnmark}%
2197     \color@begingroup
2198         \uncover#2{\@makeRTLfntext{%
2199             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2200     \color@endgroup}}
2201
2202 \renewcommand<>\@mpLTRfootnotetext[1]{%
2203 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule
2204 \global\setbox\@mpfootins\vbox{%
2205     \@RTLfalse
2206     \unvbox\@mpfootins
2207     \reset@font
2208     \bidi@mpLTRfootnotetext@font
2209     \hsize\columnwidth
2210     \@parboxrestore
2211     \protected@edef\@currentlabel
2212         {\csname p@mpfootnote\endcsname\@thefnmark}%
2213     \color@begingroup
2214         \uncover#2{\@makeLTRfntext{%
2215             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
2216     \color@endgroup}}

```



```

2217
2218 \let\@footnotetext=\beamer@framefootnotetext
2219 \let\@RTLfootnotetext=\beamer@frameRTLfootnotetext
2220 \let\@LTRfootnotetext=\beamer@frameLTRfootnotetext
2221
2222 \footdir@temp\footdir@ORG@bidi@beamer@footnotetext\@footnotetext{\bidi@footdir@footnote}%
2223 \footdir@temp\footdir@ORG@bidi@beamer@RTLfootnotetext\@RTLfootnotetext{R}%
2224 \footdir@temp\footdir@ORG@bidi@beamer@LTRfootnotetext\@LTRfootnotetext{L}%
2225
2226 \renewcommand<>{\footnote}[1] [] {%
2227   \let\beamer@footnotetext=\@footnotetext%
2228   \let\beamer@mpfn=\@mpfn%
2229   \let\beamer@thempfn=\thempfn%
2230   \let\beamer@kvorig=\KV@errx%
2231   \let\beamer@xkvorig=\XKV@err
2232   \def\beamer@footarg{}%
2233   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2234   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2235   \setkeys{beamerfootnote}{#1}%
2236   \let\KV@errx=\beamer@kvorig%
2237   \let\XKV@errx=\beamer@xkvorig
2238   \ifx\beamer@footarg\@empty%
2239     \def\beamer@next{\stepcounter\beamer@mpfn
2240       \protected@xdef\@thefnmark{\beamer@thempfn}%
2241       \@footnotemark\beamer@footnotetext#2}%
2242   \else%
2243     \def\beamer@next{%
2244       \begingroup
2245         \csname c@\beamer@mpfn\endcsname\beamer@footarg\relax
2246         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2247       \endgroup
2248       \@footnotemark\beamer@footnotetext#2}%
2249   \fi%
2250   \beamer@next}
2251
2252 \renewcommand<>{\RTLfootnote}[1] [] {%
2253   \let\beamer@RTLfootnotetext=\@RTLfootnotetext%
2254   \let\beamer@mpfn=\@mpfn%
2255   \let\beamer@thempfn=\thempfn%
2256   \let\beamer@kvorig=\KV@errx%
2257   \let\beamer@xkvorig=\XKV@err
2258   \def\beamer@footarg{}%
2259   \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2260   \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2261   \setkeys{beamerfootnote}{#1}%
2262   \let\KV@errx=\beamer@kvorig%
2263   \let\XKV@errx=\beamer@xkvorig
2264   \ifx\beamer@footarg\@empty%
2265     \def\beamer@next{\stepcounter\beamer@mpfn
2266       \protected@xdef\@thefnmark{\beamer@thempfn}%
2267       \@footnotemark\beamer@RTLfootnotetext#2}%
2268   \else%
2269     \def\beamer@next{%
2270       \begingroup

```




```

2271         \csname c@beamer@mpfn\endcsname\beamer@footarg\relax
2272         \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2273     \endgroup
2274     \@footnotemark\beamer@RTLfootnotetext#2}%
2275 \fi%
2276 \beamer@next}
2277
2278 \renewcommand<>{\LTRfootnote}[1] [] {%
2279     \let\beamer@LTRfootnotetext=\@LTRfootnotetext%
2280     \let\beamer@mpfn=\@mpfn%
2281     \let\beamer@thempfn=\thempfn%
2282     \let\beamer@kvorig=\KV@errx%
2283     \let\beamer@xkvorig=\XKV@err
2284     \def\beamer@footarg{}%
2285     \def\KV@errx##1{\edef\beamer@footarg{\@tempa}}%
2286     \def\XKV@err##1{\edef\beamer@footarg{\XKV@tkey}}%
2287     \setkeys{beamerfootnote}{#1}%
2288     \let\KV@errx=\beamer@kvorig%
2289     \let\XKV@errx=\beamer@xkvorig%
2290     \ifx\beamer@footarg\@empty%
2291         \def\beamer@next{\stepcounter\beamer@mpfn
2292             \protected@xdef\@thefnmark{\beamer@thempfn}%
2293             \@footnotemark\beamer@LTRfootnotetext#2}%
2294     \else%
2295         \def\beamer@next{%
2296             \begingroup
2297                 \csname c@beamer@mpfn\endcsname\beamer@footarg\relax
2298                 \unrestored@protected@xdef\@thefnmark{\beamer@thempfn}%
2299             \endgroup
2300             \@footnotemark\beamer@LTRfootnotetext#2}%
2301     \fi%
2302     \beamer@next}
2303
2304

```

19 File beamerbaselocalstructure-xetex-bidi.def

```

2305 \ProvidesFile{beamerbaselocalstructure-xetex-bidi.def}[2022/05/24 v0.1 bidi adaptations for
2306 \def\beamer@enum{%
2307     \beamer@computepref\@itemdepth% sets \beameritemnestingprefix
2308     \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2309     \bgroup
2310     \usebeamerfont{fg}{itemize/enumerate \beameritemnestingprefix body}%
2311     \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2312     \egroup
2313     \expandafter
2314     \list
2315         {\usebeamertemplate{\beamer@enumtempl}}
2316         {\usecounter\@enumctr%
2317             \def\makelabel##1{{\hss\llap{{%
2318                 \usebeamerfont*{enumerate \beameritemnestingprefix item}%
2319                 \usebeamerfont{fg}{enumerate \beameritemnestingprefix item}##1}}}}}%
2320     \beamer@cramped%
2321     \bidi@beamer@ragged%

```



```

2322 \beamer@firstlineitemizeunskip%
2323 }
2324
2325 \renewcommand{\itemize}[1][\]{%
2326 \ifblank{#1}{\def\beamer@defaultospec{#1}}%
2327 \ifnum \@itemdepth >2\relax\@toodeep\else
2328 \advance\@itemdepth\@ne
2329 \beamer@compute\pref\@itemdepth% sets \beameritemnestingprefix
2330 \usebeamerfont{itemize/enumerate \beameritemnestingprefix body}%
2331 \bgroup
2332 \usebeamercolor[fg]{itemize/enumerate \beameritemnestingprefix body}%
2333 \usebeamertemplate{itemize/enumerate \beameritemnestingprefix body begin}%
2334 \egroup
2335 \list
2336 {\usebeamertemplate{itemize \beameritemnestingprefix item}}
2337 {\def\makelabel##1{%
2338   {%
2339     \hss\llap{%
2340       \usebeamerfont*{itemize \beameritemnestingprefix item}%
2341       \usebeamercolor[fg]{itemize \beameritemnestingprefix item}##1}}%
2342   }%
2343 }%
2344 }
2345 \fi%
2346 \beamer@cramped%
2347 \bidi@beamer@ragged%
2348 \beamer@firstlineitemizeunskip%
2349 }
2350
2351 \def\@@description{%
2352 \advance\beamer@descdefault by \labelsep%
2353 \usebeamerfont{description body}%
2354 \bgroup
2355 \usebeamercolor[fg]{description body}%
2356 \usebeamertemplate{description body begin}%
2357 \egroup
2358 \list
2359 {}
2360 {\labelwidth\beamer@descdefault\leftmargin\beamer@descdefault\let\makelabel\beamer@descrip
2361 \beamer@cramped%
2362 \bidi@beamer@ragged
2363 \beamer@firstlineitemizeunskip%
2364 }
2365
2366 \renewenvironment{thebibliography}[1]
2367 {%\leavevmode\unskip%
2368 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2369 \bidi@thebibliography@font@hook%
2370 \list{\@biblabel{\@arabic\c@enumiv}}%
2371 {\settowidth\labelwidth{\beamer@biblabeltemplate{\@biblabel{#1}}}%
2372 \leftmargin\labelwidth
2373 \advance\leftmargin\labelsep
2374 \itemsep=0pt%
2375 \partopsep=0pt%

```



```

2376         \topsep=0pt%
2377         \usecounter{enumiv}%
2378         \let\p@enumiv\@empty
2379         \renewcommand\theenumiv{\@arabic\c@enumiv}
2380         \let\makelabel\beamer@biblabeltemplate}%
2381     \sloppy\bidibeamer@ragged
2382     \clubpenalty10000
2383     \@clubpenalty \clubpenalty
2384     \widowpenalty10000%
2385     \sfcode`. \m}
2386     {\def\@noitemerr
2387       {\@latex@warning{Empty `thebibliography' environment}}}%
2388     \ifhmode\unskip\fi\endlist}
2389
2390

```

20 File beamerbasenavigation-xetex-bidi.def

```

2391 \ProvidesFile{beamerbasenavigation-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beam
2392 \def\slideentry#1#2#3#4#5#6{%
2393   %section number, subsection number, slide number, first/last frame, page number, part numb
2394   \ifnum#6=\c@part\ifnum#1>0\ifnum#3>0%
2395     \ifbeamer@compress%
2396       \advance\beamer@xpos by1\relax%
2397     \else%
2398       \ifnum#2=0%
2399         \beamer@ypos@offset=1\relax%
2400       \fi
2401       \beamer@xpos=#3\relax%
2402       \beamer@ypos=#2\relax%
2403       \advance\beamer@ypos by \beamer@ypos@offset\relax
2404     \fi%
2405   \hbox to Opt{%
2406     \beamer@tempdim=-\beamer@vboxoffset%
2407     \advance\beamer@tempdim by-\beamer@boxsize%
2408     \multiply\beamer@tempdim by\beamer@ypos%
2409     \advance\beamer@tempdim by -.05cm%
2410     \raise\beamer@tempdim\hbox{%
2411       \beamer@tempdim=\beamer@boxsize%
2412       \multiply\beamer@tempdim by\beamer@xpos%
2413       \advance\beamer@tempdim by -\beamer@boxsize%
2414       \advance\beamer@tempdim by 1pt%
2415       \kern\beamer@tempdim
2416       \global\beamer@section@min@dim\beamer@tempdim
2417       \hbox{\beamer@link(#4){%
2418         \usebeamerfont{mini frame}%
2419         \ifnum\c@section=#1%
2420           \ifnum\c@subsection=#2%
2421             \usebeamerfont{fg}{mini frame}%
2422             \ifnum\c@subsectionslide=#3%
2423               \usebeamertemplate{mini frame}%\beamer@minislidehighlight%
2424             \else%
2425               \usebeamertemplate{mini frame in current subsection}%\beamer@minisliderowhil
2426             \fi%

```



```

2427         \else%
2428             \usebeamercolor{mini frame}%
2429             %\color{fg!50!bg}%
2430             \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2431         \fi%
2432     \else%
2433         \usebeamercolor{mini frame}%
2434         %\color{fg!50!bg}%
2435         \usebeamertemplate{mini frame in other subsection}%\beamer@minislide%
2436     \fi%
2437 }}}} \hskip-10cm plus 1fil%
2438 } \fi \fi%
2439 \else%
2440 \fakeslideentry{#1}{#2}{#3}{#4}{#5}{#6}%
2441 \fi \ignorespaces
2442 }
2443

```

21 File beamerbaseoverlay-xetex-bidi.def

```

2444 \ProvidesFile{beamerbaseoverlay-xetex-bidi.def}[2022/06/10 v0.1 bidi adaptations for beamer]
2445 \renewcommand<>{\color}{\alt#1{\beameroriginal{\color}}{\beamer@gobbleoptionalinsp}}
2446
2447

```

22 File beamerinnerthemedefault-xetex-bidi.def

```

2448 \ProvidesFile{beamerinnerthemedefault-xetex-bidi.def}[2022/06/10 v0.5 bidi adaptations for beamer]
2449 \newcommand*{\bidi@beamer@leftskip}{%
2450     \if@RTL
2451         \rightskip
2452     \else
2453         \leftskip
2454     \fi
2455 }
2456
2457 \newcommand*{\bidi@beamer@rightskip}{%
2458     \if@RTL
2459         \leftskip
2460     \else
2461         \rightskip
2462     \fi
2463 }
2464
2465 \bidi@csundef{beamer@@tmpop@subsection in toc@default}
2466
2467 \bidi@csundef{beamer@@tmpop@subsubsection in toc@default}
2468
2469 \defbeamertemplate*{subsection in toc}{default}
2470 {\leavevmode\bidi@beamer@leftskip=1.5em\inserttocsubsection\par}
2471
2472 \defbeamertemplate*{subsubsection in toc}{default}
2473 {\leavevmode\normalsize\usebeamerfont{subsection in toc}\bidi@beamer@leftskip=3em%
2474     \usebeamerfont{subsubsection in toc}\inserttocsubsubsection\par}

```



```

2475
2476 \newcommand*\bidi@beamer@blacktriangle}{%
2477   \if@RTL
2478     $\blacktriangleleft$%
2479   \else
2480     $\blacktriangleright$%
2481   \fi
2482 }
2483
2484 \bidi@csundef{beamer@@tmpop@itemize item@default}
2485
2486 \bidi@csundef{beamer@@tmpop@itemize subitem@default}
2487
2488 \bidi@csundef{beamer@@tmpop@itemize subsubitem@default}
2489
2490 \defbeamertemplate*{itemize item}{default}{\usebeamerfont*{itemize item}\raise1.25pt\hbox{\d
2491 \defbeamertemplate*{itemize subitem}{default}{\usebeamerfont*{itemize subitem}\raise1.5pt\hb
2492 \defbeamertemplate*{itemize subsubitem}{default}{\usebeamerfont*{itemize subsubitem}\raise1.
2493
2494 \bidi@undef\beamer@@tmpop@footnote@default
2495
2496 \defbeamertemplate*{footnote}{default}
2497 {
2498   \parindent 1em\noindent%
2499   \bidi@beamer@ragged
2500   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2501 }
2502
2503 \defbeamertemplate*{RTLfootnote}{default}
2504 {
2505   \parindent 1em\noindent%
2506   \raggedleft
2507   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2508 }
2509
2510 \defbeamertemplate*{LTRfootnote}{default}
2511 {
2512   \parindent 1em\noindent%
2513   \raggedright
2514   \hbox to 1.8em{\hfil\insertfootnotemark}\insertfootnotetext\par%
2515 }
2516
2517 \bidi@undef\beamer@@tmpop@caption@default
2518
2519 \defbeamertemplate*{caption}{default}
2520 {%
2521   \bidi@beamer@ragged
2522   {%
2523     \leavevmode
2524     \usebeamerfont*{caption name}%
2525     \usebeamerfont*{caption name}%
2526     \insertcaptionname
2527     \usebeamertemplate{caption label separator}%
2528   }%

```



```

2529 \insertcaption\par
2530 }
2531
2532 \bidi@csundef{beamer@@tmpop@block begin@default}
2533
2534 \bidi@csundef{beamer@@tmpop@block alerted begin@default}
2535
2536 \bidi@csundef{beamer@@tmpop@block example begin@default}
2537
2538 \defbeamerteremplate*{block begin}{default}
2539 {
2540 \par\vskip\medskipamount%
2541 \begin{beamercolorbox}[colsep*=.75ex]{block title}
2542 \usebeamerfont*{block title}\insertblocktitle%
2543 \end{beamercolorbox}%
2544 {\parskip0pt\par}%
2545 \ifbeamercoloreempty[bg]{block title}
2546 {}
2547 {\ifbeamercoloreempty[bg]{block body}{\nointerlineskip\vskip-0.5pt}}%
2548 \usebeamerfont{block body}%
2549 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body}%
2550 \ifbeamercoloreempty[bg]{block body}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75ex+\basel
2551 }
2552
2553 \defbeamerteremplate*{block alerted begin}{default}
2554 {
2555 \par\vskip\medskipamount%
2556 \begin{beamercolorbox}[colsep*=.75ex]{block title alerted}
2557 \usebeamerfont*{block title alerted}\insertblocktitle%
2558 \end{beamercolorbox}%
2559 {\parskip0pt\par}%
2560 \ifbeamercoloreempty[bg]{block title alerted}
2561 {}
2562 {\ifbeamercoloreempty[bg]{block body alerted}{\nointerlineskip\vskip-0.5pt}}%
2563 \usebeamerfont{block body alerted}%
2564 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body alerted}%
2565 \ifbeamercoloreempty[bg]{block body alerted}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75e
2566 }
2567
2568 \defbeamerteremplate*{block example begin}{default}
2569 {
2570 \par\vskip\medskipamount%
2571 \begin{beamercolorbox}[colsep*=.75ex]{block title example}
2572 \usebeamerfont*{block title example}\insertblocktitle%
2573 \end{beamercolorbox}%
2574 {\parskip0pt\par}%
2575 \ifbeamercoloreempty[bg]{block title example}
2576 {}
2577 {\ifbeamercoloreempty[bg]{block body example}{\nointerlineskip\vskip-0.5pt}}%
2578 \usebeamerfont{block body example}%
2579 \begin{beamercolorbox}[colsep*=.75ex,vmode]{block body example}%
2580 \ifbeamercoloreempty[bg]{block body example}{\vskip-.25ex}{\leavevmode\vskip-\dimexpr.75e
2581 }
2582

```



```

2583 \bidi@csundef{beamer@@tmpop@abstract begin@default}
2584
2585 \defbeamertemplate*{abstract begin}{default}
2586 {\beamercolorbox[vmode]{abstract}\bidi@beamer@leftskip2em\bidi@beamer@rightskip2em plus 1fil}
2587

```

23 File beamerinnerthemecircles-xetex-bidi.def

```

2588 \ProvidesFile{beamerinnerthemecircles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for b
2589 \setbeamertemplate{sections/subsections in toc}[circle]
2590

```

24 File beamerinnerthemeinmargin-xetex-bidi.def

```

2591 \ProvidesFile{beamerinnerthemeinmargin-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for
2592 \AtBeginDocument{%
2593   \setbeamsize{sidebar width left=.25\paperwidth}%
2594 }
2595
2596 \bidi@csundef{beamer@@tmpop@section in toc@inmargin}
2597
2598 \bidi@csundef{beamer@@tmpop@title page@inmargin}
2599
2600 \bidi@csundef{beamer@@tmpop@block begin@inmargin}
2601
2602 \bidi@csundef{beamer@@tmpop@block end@inmargin}
2603
2604 \bidi@csundef{beamer@@tmpop@block alerted begin@inmargin}
2605
2606 \bidi@csundef{beamer@@tmpop@block alerted end@inmargin}
2607
2608 \bidi@csundef{beamer@@tmpop@block example begin@inmargin}
2609
2610 \bidi@csundef{beamer@@tmpop@block example end@inmargin}
2611
2612 \defbeamertemplate*{section in toc}{inmargin}
2613 {\leavevmode
2614   \beamer@putleft{\usebeamercolor[fg]{section in toc}\inserttocsection}\strut}{2.5ex}}
2615
2616 \defbeamertemplate*{title page}{inmargin}
2617 {
2618   \begin{block}{\inserttitleindicator}
2619     \bgroup\usebeamercolor[fg]{title}\usebeamerfont{title}\inserttitle\egroup\par
2620     \usebeamercolor[fg]{subtitle}\usebeamerfont{subtitle}\insertsubtitle
2621   \end{block}
2622   \vfill
2623   \ifx\insertauthor\@empty
2624     \else
2625     \begin{block}{\insertauthorindicator}
2626       \bgroup\usebeamercolor[fg]{author}\usebeamerfont{author}\insertauthor\egroup\par
2627     \end{block}
2628   \fi
2629   \ifx\insertinstitute\@empty
2630     \else

```



```

2631 \begin{block}{\insertinstituteindicator}
2632 \bgroup\usebeamerfont{fg}{institute}\usebeamerfont{institute}\insertinstitute\egroup\pa
2633 \end{block}
2634 \fi
2635 \ifx\insertdate\@empty
2636 \else
2637 \begin{block}{\insertdateindicator}
2638 \bgroup\usebeamerfont{fg}{date}\usebeamerfont{date}\insertdate\egroup\par
2639 \end{block}
2640 \fi
2641 }
2642
2643 \defbeamertemplate*{block begin}{inmargin}
2644 {
2645 \par\vskip\medskipamount%
2646 \leavevmode%
2647 \beamer@putleft{\normalfont{\usebeamerfont{fg}{block title}\usebeamerfont*{block title}\i
2648 \beginL\beamer@putright
2649 %\usebeamerfont{fg}{block body}% to be done!
2650 }
2651
2652 \defbeamertemplate*{block end}{inmargin}
2653 {\endbeamer@putright\endL\vskip\smallskipamount}
2654
2655 \defbeamertemplate*{block alerted begin}{inmargin}
2656 {
2657 \par\vskip\medskipamount%
2658 \leavevmode%
2659 \beamer@putleft{\normalfont{\usebeamerfont{fg}{block title alerted}\usebeamerfont*{block
2660 \beginL\beamer@putright
2661 %\usebeamerfont{fg}{block body alerted}% to be done!
2662 }
2663
2664 \defbeamertemplate*{block alerted end}{inmargin}
2665 {\endbeamer@putright\endL\vskip\smallskipamount}
2666
2667 \defbeamertemplate*{block example begin}{inmargin}
2668 {
2669 \par\vskip\medskipamount%
2670 \leavevmode%
2671 \beamer@putleft{\normalfont{\usebeamerfont{fg}{block title example}\usebeamerfont*{block
2672 \beginL\beamer@putright
2673 %\usebeamerfont{fg}{block body example}% to be done
2674 }
2675
2676 \defbeamertemplate*{block example end}{inmargin}
2677 {\endbeamer@putright\endL\vskip\smallskipamount}
2678
2679 \bidi@AfterFile{beamerinnerthemerectangles-xetex-bidi.def}{%
2680 \setbeamertemplate{section in toc}[inmargin]%
2681 \setbeamertemplate{subsection in toc}[inmargin]%
2682 \setbeamertemplate{subsubsection in toc}[inmargin]%
2683 }
2684

```



2685

25 File beamerinnerthemerectangles-xetex-bidi.def

```
2686 \ProvidesFile{beamerinnerthemerectangles-xetex-bidi.def}[2022/06/06 v0.1 bidi adaptations for b
2687 \setbeamertemplate{sections/subsections in toc}[square]
2688 \setbeamertemplate{items}[square]
2689
```

26 File beamerinnerthemerounded-xetex-bidi.def

```
2690 \ProvidesFile{beamerinnerthemerounded-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for b
2691 \setbeamertemplate{blocks}[rounded][shadow=\beamer@themerounded@shadow]
2692 \setbeamertemplate{items}[ball]
2693 \setbeamertemplate{sections/subsections in toc}[ball]
2694
```

27 File beamerouterthemedefault-xetex-bidi.def

```
2695 \ProvidesFile{beamerouterthemedefault-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for b
2696 \def\beamer@fteleft{\if@RTLmain\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by 1.7cm}
2697
2698 \def\beamer@fteright{\if@RTLmain\else\vskip0.35cm\advance\leftskip by 1.7cm\advance\rightskip by 1.7cm}
2699
2700 \AtBeginDocument{%
2701   \if@RTLmain
2702     \setbeamertemplate{frametitle}[default][right]
2703   \fi
2704 }
2705
2706
```

28 File beamerouterthemeinfolines-xetex-bidi.def

```
2707 \ProvidesFile{beamerouterthemeinfolines-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for b
2708 \bidi@csundef{beamer@tmpop@footline@infolines theme}
2709
2710 \defbeamertemplate*{footline}{infolines theme}
2711 {%
2712   \leavevmode%
2713   \hbox{%
2714     \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{author in head/foot}%
2715       \usebeamerfont{author in head/foot}\insertshortauthor\expandafter\ifblank\expandafter{\b
2716     \end{beamercolorbox}%
2717     \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,center]{title in head/foot}%
2718       \usebeamerfont{title in head/foot}\insertshorttitle
2719     \end{beamercolorbox}%
2720     \begin{beamercolorbox}[wd=.333333\paperwidth,ht=2.25ex,dp=1ex,leftskip=2ex,rightskip=2ex,s
2721     \hfill%
2722     \usebeamerfont{date in head/foot}%
2723     \insertshortdate{}%
2724     \hfill%
2725     \bgroup
2726     \usebeamercolor[fg]{page number in head/foot}%

```



```

2727 \usebeamerfont{page number in head/foot}%
2728 \usebeamertemplate{page number in head/foot}%
2729 \egroup
2730 \end{beamercolorbox}}%
2731 \vskip0pt%
2732 }
2733
2734 \bidi@csundef{beamer@@tmpop@headline@infolines theme}
2735
2736 \defbeamertemplate*{headline}{infolines theme}
2737 {%
2738 \leavevmode%
2739 \hbox{%
2740 \if@RTL
2741 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{section in head/foot}%
2742 \else
2743 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{section in head/foot}%
2744 \fi
2745 \usebeamerfont{section in head/foot}\insertsectionhead\hspace*{2ex}
2746 \end{beamercolorbox}%
2747 \if@RTL
2748 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,right]{subsection in head/foot}%
2749 \else
2750 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.65ex,dp=1.5ex,left]{subsection in head/foot}%
2751 \fi
2752 \usebeamerfont{subsection in head/foot}\hspace*{2ex}\insertsubsectionhead
2753 \end{beamercolorbox}}%
2754 \vskip0pt%
2755 }
2756
2757 \bidi@AfterFile{beamerouterthemessplit-xetex-bidi.def}{%
2758 \setbeamertemplate{footline}{infolines theme}%
2759 }
2760

```

29 File beamerouterthememiniframes-xetex-bidi.def

```

2761 \ProvidesFile{beamerouterthememiniframes-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for]
2762 \bidi@csundef{beamer@@tmpop@headline@miniframes theme}
2763
2764 \defbeamertemplate*{headline}{miniframes theme}
2765 {%
2766 \begin{beamercolorbox}[colsep=1.5pt]{upper separation line head}
2767 \end{beamercolorbox}
2768 \begin{beamercolorbox}{section in head/foot}
2769 \vskip2pt\if@RTL\beginR\fi\insertnavigation{\paperwidth}\if@RTL\endR\fi\vskip2pt
2770 \end{beamercolorbox}%
2771 \ifbeamer@theme@subsection%
2772 \begin{beamercolorbox}[colsep=1.5pt]{middle separation line head}
2773 \end{beamercolorbox}
2774 \if@RTL
2775 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
2776 rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
2777 \else

```



```

2778 \begin{beamercolorbox}[ht=2.5ex,dp=1.125ex,%
2779 leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/footer}
2780 \fi
2781 \usebeamerfont{subsection in head/footer}\insertsubsectionhead
2782 \end{beamercolorbox}%
2783 \fi%
2784 \begin{beamercolorbox}[colsep=1.5pt]{lower separation line head}
2785 \end{beamercolorbox}
2786 }
2787
2788

```

30 File beamerouterthemesidebar-xetex-bidi.def

```

2789 \ProvidesFile{beamerouterthemesidebar-xetex-bidi.def}[2022/06/07 v0.2 bidi adaptations for b
2790 \bidi@csundef{beamer@tmpop@frametitle@sidebar theme}
2791
2792 \bidi@csundef{beamer@tmpop@headline@sidebar theme}
2793
2794 \bidi@csundef{beamer@tmpop@sidebar left@sidebar theme}
2795
2796 \bidi@csundef{beamer@tmpop@sidebar right@sidebar theme}
2797
2798 \ifdim\beamer@headheight>0pt
2799
2800 \defbeamertemplate*{frametitle}{sidebar theme}
2801 {%
2802 \nointerlineskip%
2803 \ifbeamer@plainframe%
2804 \hbox{\usebeamercolor[bg]{frametitle}%
2805 \@tempdima\paperwidth\advance\@tempdima-\beamer@sidebarwidth
2806 \hskip-\beamer@leftmargin\vrule height\beamer@headheight width\@tempdima\hskip-\bea
2807 \nointerlineskip%
2808 \fi%
2809 \vskip-\beamer@headheight%
2810 \vbox to \beamer@headheight{%
2811 \vfil
2812 \bidi@beamer@leftskip=-\beamer@leftmargin%
2813 \advance\bidi@beamer@leftskip by0.3cm%
2814 \bidi@beamer@rightskip=-\beamer@rightmargin%
2815 \advance\bidi@beamer@rightskip by0.3cm plus1fil%
2816 {\usebeamercolor[fg]{frametitle}\usebeamerfont{frametitle}\strut\insertframetitle\par}
2817 \ifx\insertframesubtitle\@empty\else%
2818 {\usebeamercolor[fg]{framesubtitle}\usebeamerfont{framesubtitle}\strut\insertframesu
2819 \fi%
2820 \vbox{}%
2821 \vskip-1em%
2822 \vfil
2823 }%
2824 }
2825
2826 \AtBeginDocument{%
2827 \setbeamertemplate{frametitle}{sidebar theme}%
2828 }

```



```

2829
2830 \defbeamertemplate*{headline}{sidebar theme}
2831 {%
2832   \begin{beamercolorbox}[wd=\paperwidth]{frametitle}
2833     \ifx\beamer@sidebarside\beamer@lefttext%
2834       \else%
2835         \hfill%
2836       \fi%
2837     \ifdim\beamer@sidebarwidth>0pt%
2838       \bgroup
2839       \usebeamercolor[bg]{logo}%
2840       \if@RTLmain
2841       \else
2842         \vrule width\beamer@sidebarwidth height \beamer@headheight%
2843         \hskip-\beamer@sidebarwidth%
2844       \fi
2845       \hbox to \beamer@sidebarwidth{\hss\vbox to
2846         \beamer@headheight{\vss\hbox{{\color{fg}\insertlogo}}\vss}\hss}%
2847       \if@RTLmain
2848         \hskip-\beamer@sidebarwidth%
2849         \vrule width\beamer@sidebarwidth height \beamer@headheight%
2850       \fi
2851       \egroup
2852     \else%
2853       \vrule width0pt height \beamer@headheight%
2854     \fi%
2855   \end{beamercolorbox}
2856 }
2857 \fi
2858
2859 \def\beamer@sidebarformat#1#2#3{%
2860 \if@RTL
2861   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,rightskip=#1,leftskip=1ex plus1fil,vmode]{#
2862 \else
2863   \begin{beamercolorbox}[wd=\beamer@sidebarwidth,leftskip=#1,rightskip=1ex plus1fil,vmode]{#
2864 \fi
2865   \vbox{%
2866     #3\par%
2867   \vbox{%
2868     \vskip-1.5ex%
2869   \end{beamercolorbox}
2870 }
2871
2872 \ifdim\beamer@sidebarwidth>0pt
2873
2874 \AtBeginDocument{%
2875   \setbeamersize{sidebar width \beamer@sidebarside=\beamer@sidebarwidth}%
2876 }
2877
2878 \defbeamertemplate*{sidebar \beamer@sidebarside}{sidebar theme}
2879 {
2880   \beamer@tempdim=\beamer@sidebarwidth%
2881   \advance\beamer@tempdim by -6pt%
2882   {\usebeamerfont{title in sidebar}%

```



```

2883     \vskip1.5em%
2884     \hskip3pt%
2885     \bgroup
2886     \usebeamercolor[fg]{title in sidebar}%
2887     \insertshorttitle[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
2888     \vskip1.25em%
2889   }%
2890   {%
2891     \hskip3pt%
2892     \bgroup
2893     \usebeamercolor[fg]{author in sidebar}%
2894     \usebeamerfont{author in sidebar}%
2895     \insertshortauthor[width=\beamer@tempdim,center,respectlinebreaks]\egroup\par%
2896     \vskip1.25em%
2897   }%
2898   \insertverticalnavigation{\beamer@sidebarwidth}%
2899   \vfill
2900   \ifx\beamer@sidebarside\beamer@lefttext%
2901   \else%
2902     \usebeamercolor{normal text}%
2903     \llap{\usebeamertemplate***{navigation symbols}\hskip0.1cm}%
2904     \vskip2pt%
2905   \fi%
2906   }%
2907 \fi
2908

```

31 File beamerouterthemesplit-xetex-bidi.def

```

2909 \ProvidesFile{beamerouterthemesplit-xetex-bidi.def}[2022/06/09 v0.2 bidi adaptations for bea
2910 \bidi\csundef{beamer@tmpop@footline@split theme}
2911
2912 \defbeamertemplate*{footline}{split theme}
2913 {%
2914   \leavevmode%
2915   \hbox{\if@RTL\begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm plus1fill,
2916 \else
2917 \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm plus1fill,rightskip=.3cm plus1fill]
2918 \fi
2919     \usebeamerfont{author in head/foot}\insertshortauthor
2920   \end{beamercolorbox}}%
2921   \if@RTL
2922     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,rightskip=.3cm,leftskip=.3cm plus1fill]
2923   \else
2924     \begin{beamercolorbox}[wd=.5\paperwidth,ht=2.5ex,dp=1.125ex,leftskip=.3cm,rightskip=.3cm plus1fill]
2925   \fi
2926     \usebeamerfont{title in head/foot}\insertshorttitle\nobreak\hfill\bgroup\usebeamercolor[
2927   \end{beamercolorbox}}}%
2928   \vskip0pt%
2929 }
2930
2931

```



32 File beamerouterthemeshadow-xetex-bidi.def

```
2932 \ProvidesFile{beamerouterthemeshadow-xetex-bidi.def}[2022/06/11 v0.3 bidi adaptations for be
2933 \pgfdeclarehorizontalshading[frametitle.bg,frametitle right.bg]{bidi@beamer@RTL@frametitlesh
2934   color(0pt)=(frametitle right.bg);
2935   color(\paperwidth)=(frametitle.bg)
2936 }
2937
2938 \newcommand*{\bidi@beamer@frametitlesshade}{%
2939   \if@RTLmain
2940     \pgfuses shading{bidi@beamer@RTL@frametitlesshade}%
2941   \else
2942     \pgfuses shading{beamer@frametitlesshade}%
2943   \fi
2944 }
2945
2946 \bidi@csundef{beamer@@tmpop@frametitle@shadow theme}
2947
2948 \defbeamertemplate*{frametitle}{shadow theme}
2949 {%
2950   \nointerlineskip%
2951   \vskip-2pt%
2952   \hbox{\leavevmode
2953     \advance\beamer@leftmargin by -12bp%
2954     \advance\beamer@rightmargin by -12bp%
2955     \beamer@tempdim=\textwidth%
2956     \advance\beamer@tempdim by \beamer@leftmargin%
2957     \advance\beamer@tempdim by \beamer@rightmargin%
2958     \hskip-\Gm@lmargin\hbox{%
2959       \setbox\beamer@tempbox=\hbox{\begin{minipage}[b]{\paperwidth}%
2960         \vbox{\vskip-.75ex%
2961           \bidi@beamer@leftskip0.3cm%
2962           \bidi@beamer@rightskip0.3cm plus1fil\leavevmode
2963           \bgroup\usebeamerfont{fg}{frametitle}\usebeamerfont{frametitle}\strut\insertframe
2964           \ifx\insertframesubtitle@empty\else%
2965             {\usebeamerfont*{framesubtitle}\usebeamerfont{fg}{framesubtitle}\insertframesu
2966           \fi%
2967           \nointerlineskip
2968           \vbox{}%
2969         \end{minipage}}%
2970       \beamer@tempdim=\ht\beamer@tempbox%
2971       \advance\beamer@tempdim by 2pt%
2972       \begin{pgfpicture}{0pt}{0pt}{\paperwidth}{\beamer@tempdim}
2973         \begin{pgfscope}
2974           \pgfsetfillcolor{black}%
2975           \pgfpathrectangle{\pgfpoint{0pt}{-4pt}}{\pgfpoint{\paperwidth}{8pt}}%
2976           \pgfsetfading{beamer@topshadowmask}{}%
2977           \pgfusepath{fill}%
2978         \end{pgfscope}
2979         \begin{pgfscope}
2980           \usebeamerfont{frametitle right}%
2981           \pgfpathrectangle{\pgfpointorigin}{\pgfpoint{\paperwidth}{\beamer@tempdim}}%
2982           \pgfusepath{clip}%
2983           \pgftext[left,base]{\bidi@beamer@frametitlesshade}%

```



```

2984         \end{pgfscope}
2985     \end{pgfpicture}
2986     \hskip-\paperwidth%
2987     \box\beamer@tempbox%
2988 }%
2989 \hskip-\Gm@rmargin%
2990 }%
2991 \vskip-2pt
2992 }
2993
2994 \AtBeginDocument{%
2995   \setbeamertheme{frametitle}[shadow theme]%
2996 }
2997
2998

```

33 File beamerouterthemesmoothbars-xetex-bidi.def

```

2999 \ProvidesFile{beamerouterthemesmoothbars-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations fo
3000 \bidi@csundef{beamer@tmpop@headline@smoothbars theme}
3001
3002 \bidi@csundef{beamer@tmpop@frametitle@smoothbars theme}
3003
3004 \defbeamertheme*{headline}{smoothbars theme}
3005 {%
3006   \pgfuses shading{beamer@barshade}%
3007   \vskip-0.05ex%
3008   \begin{beamer colorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3009   \begin{pgfpicture}
3010     \begin{pgfscope}%
3011       \ifbeamer@sb@subsection%
3012         \pgfsetfillcolor{subsection in head/foot.bg}%
3013       \else%
3014         \pgfsetfillcolor{section in head/foot.bg}%
3015       \fi%
3016       \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3017       \pgfsetfading{beamer@belowframetitlemask}{}%
3018       \pgfusepath{fill}%
3019     \end{pgfscope}%
3020   \end{pgfpicture}%
3021   \end{beamer colorbox}%
3022   \ifbeamer@sb@subsection%
3023     \vskip-9.75ex%
3024   \else%
3025     \vskip-6.85ex%
3026   \fi%
3027   \begin{beamer colorbox}[ignorebg,ht=2.25ex,dp=3.75ex]{section in head/foot}
3028     \insertnavigation{\paperwidth}
3029   \end{beamer colorbox}%
3030   \ifbeamer@sb@subsection%
3031   \if@RTL
3032     \begin{beamer colorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3033       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3034   \else

```



```

3035 \begin{beamercolorbox}[ignorebg,ht=2.125ex,dp=1.125ex,%
3036 leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3037 \fi
3038 \usebeamerfont{subsection in head/foot}\insertsubsectionhead
3039 \end{beamercolorbox}%
3040 \fi%
3041 }%
3042
3043 \defbeamertemplate*{frametitle}{smoothbars theme}
3044 {%
3045 \nointerlineskip%
3046 \vskip-0.19ex%
3047 \usebeamerfont{headline}%
3048 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=1ex,vmode]{empty}
3049 \pgfuses shading{beamer@aboveframetitle}%
3050 \end{beamercolorbox}%
3051 \vskip-1ex%
3052 \nointerlineskip%
3053 \if@RTL
3054 \begin{beamercolorbox}[wd=\paperwidth,rightskip=.3cm,leftskip=.3cm plus1fil,vmode]{frameti
3055 \else
3056 \begin{beamercolorbox}[wd=\paperwidth,leftskip=.3cm,rightskip=.3cm plus1fil,vmode]{frameti
3057 \fi
3058 \vskip0.5ex%
3059 \usebeamerfont*{frametitle}\strut\insertframetitle%
3060 \ifx\insertframesubtitle\@empty%
3061 \strut\par%
3062 \else
3063 \par{\usebeamerfont*{framesubtitle}\usebeamercolor[fg]{framesubtitle}\strut\insertf
3064 \fi}%
3065 \usebeamerfont{headline}%
3066 \vskip0.05ex%
3067 \end{beamercolorbox}%
3068 \nointerlineskip%
3069 \vskip-0.05ex%
3070 \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3071 \begin{pgfpicture}
3072 \begin{pgfscope}%
3073 \pgfsetfillcolor{frametitle.bg}%
3074 \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3075 \pgfsetfading{beamer@belowframetitlemask}{}%
3076 \pgfusepath{fill}%
3077 \end{pgfscope}%
3078 \end{pgfpicture}%
3079 \end{beamercolorbox}%
3080 }
3081
3082 \AtBeginDocument{%
3083 \setbeamertemplate{frametitle}[smoothbars theme]%
3084 }
3085
3086

```



34 File beamerouterthemesmoothtree-xetex-bidi.def

```
3087 \ProvidesFile{beamerouterthemesmoothtree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for]
3088 \bidi@csundef{beamer@tmpop@headline@smoothtree theme}
3089
3090 \bidi@csundef{beamer@tmpop@frametitle@smoothtree theme}
3091
3092 \defbeamertertemplate*{headline}{smoothtree theme}
3093 {%
3094   \pgfuses shading{beamer@treeshade}%
3095   \vskip-0.05ex%
3096   \begin{beamer colorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3097   \begin{pgf picture}
3098     \begin{pgf scope}%
3099       \pgfset fillcolor{subsection in head/foot.bg}%
3100       \pgfpath rectangle{\pgf point{-0.5\paperwidth}{-0.5ex}}{\pgf point{\paperwidth}{1ex}}%
3101       \pgfset fading{beamer@belowframetitlemask}%
3102       \pgfuse path{fill}%
3103     \end{pgf scope}%
3104   \end{pgf picture}%
3105   \end{beamer colorbox}%
3106   \vskip-9.15ex%
3107   \if@RTL
3108     \begin{beamer colorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3109       rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3110   \else
3111     \begin{beamer colorbox}[wd=\paperwidth,ht=1.125ex,dp=1.125ex,ignorebg,%
3112       leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3113     \fi
3114     \usebeamer font{title in head/foot}\insertshorttitle
3115   \end{beamer colorbox}
3116   \if@RTL
3117     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3118       rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3119   \else
3120     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3121       leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3122     \fi
3123     \usebeamer font{section in head/foot}%
3124     \hskip6pt\insertsectionhead
3125   \end{beamer colorbox}
3126   \if@RTL
3127     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3128       rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3129   \else
3130     \begin{beamer colorbox}[wd=\paperwidth,ht=2.125ex,dp=1.125ex,ignorebg,%
3131       leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3132     \fi
3133     \usebeamer font{subsection in head/foot}%
3134     \hskip12pt\insertsubsectionhead
3135   \end{beamer colorbox}
3136   \vskip-0.4ex%
3137 }
3138
```



```

3139 \defbeamertemplate*{frametitle}{smoothtree theme}
3140 {%
3141   \nointerlineskip%
3142   \vskip-0.05ex%
3143   \usebeamerfont{headline}%
3144   \begin{beamercolorbox}[wd=\paperwidth,ht=0.85ex,dp=0ex]{empty}
3145     \pgfuses shading{beamer@aboveframetitle}%
3146   \end{beamercolorbox}
3147   \nointerlineskip%
3148   \if@RTL
3149     \begin{beamercolorbox}[wd=\paperwidth,rightskip=.935cm,leftskip=.3cm plus1fil]{frametitle}
3150   \else
3151     \begin{beamercolorbox}[wd=\paperwidth,leftskip=.935cm,rightskip=.3cm plus1fil]{frametitle}
3152   \fi
3153     \vskip-1.2ex%
3154     \usebeamerfont*{frametitle}\strut\insertframetitle%
3155     \ifx\insertframesubtitle\@empty%
3156       \strut\par%
3157     \else
3158       \par{\usebeamerfont*{framesubtitle}{\usebeamercolor[fg]{framesubtitle}\strut\insertframesubtitle}%
3159     \fi%%
3160     \usebeamerfont{headline}%
3161   \end{beamercolorbox}%
3162   \nointerlineskip
3163   \vskip-0.2ex%
3164   \begin{beamercolorbox}[wd=\paperwidth,ht=1ex,dp=0ex]{empty}
3165   \begin{pgfpicture}
3166     \begin{pgfscope}%
3167       \pgfsetfillcolor{frametitle.bg}%
3168       \pgfpathrectangle{\pgfpoint{-.5\paperwidth}{-0.5ex}}{\pgfpoint{\paperwidth}{1ex}}%
3169       \pgfsetfading{beamer@belowframetitlemask}{}%
3170       \pgfusepath{fill}%
3171     \end{pgfscope}%
3172   \end{pgfpicture}%
3173   \end{beamercolorbox}%
3174 }
3175
3176
3177 \AtBeginDocument{%
3178   \setbeamertemplate{frametitle}[smoothtree theme]%
3179 }
3180
3181

```

35 File beamerouterthemetree-xetex-bidi.def

```

3182 \ProvidesFile{beamerouterthemetree-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beam
3183 \bidi@csundef{beamer@tmpop@headline@tree theme}
3184
3185 \defbeamertemplate*{headline}{tree theme}
3186 {%
3187   \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{upper separation line head}
3188   \end{beamercolorbox}
3189   \if@RTL

```



```

3190 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3191   rightskip=.3cm,leftskip=.3cm plus1fil]{title in head/foot}
3192 \else
3193 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3194   leftskip=.3cm,rightskip=.3cm plus1fil]{title in head/foot}
3195 \fi
3196 \usebeamerfont{title in head/foot}\insertshorttitle
3197 \end{beamercolorbox}
3198 \if@RTL
3199 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3200   rightskip=.3cm,leftskip=.3cm plus1fil]{section in head/foot}
3201 \else
3202 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3203   leftskip=.3cm,rightskip=.3cm plus1fil]{section in head/foot}
3204 \fi
3205 \usebeamerfont{section in head/foot}%
3206 \ifbeamer@tree@showhooks
3207   \setbox\beamer@tempbox=\hbox{\insertsectionhead}%
3208   \ifdim\wd\beamer@tempbox>1pt%
3209     \hskip2pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0.4pt}
3210     \hskip1pt%
3211   \fi%
3212 \else%
3213   \hskip6pt%
3214 \fi%
3215 \insertsectionhead
3216 \end{beamercolorbox}
3217 \if@RTL
3218 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3219   rightskip=.3cm,leftskip=.3cm plus1fil]{subsection in head/foot}
3220 \else
3221 \begin{beamercolorbox}[wd=\paperwidth,ht=2.5ex,dp=1.125ex,%
3222   leftskip=.3cm,rightskip=.3cm plus1fil]{subsection in head/foot}
3223 \fi
3224 \usebeamerfont{subsection in head/foot}%
3225 \ifbeamer@tree@showhooks
3226   \setbox\beamer@tempbox=\hbox{\insertsubsectionhead}%
3227   \ifdim\wd\beamer@tempbox>1pt%
3228     \hskip9.4pt\raise1.9pt\hbox{\vrule width0.4pt height1.875ex\vrule width 5pt height0.4pt}
3229     \hskip1pt%
3230   \fi%
3231 \else%
3232   \hskip12pt%
3233 \fi%
3234 \insertsubsectionhead
3235 \end{beamercolorbox}
3236 \begin{beamercolorbox}[wd=\paperwidth,colsep=1.5pt]{lower separation line head}
3237 \end{beamercolorbox}
3238 }
3239
3240

```

36 File beamerthemeHannover-xetex-bidi.def



```

3241 \ProvidesFile{beamerthemeHannover-xetex-bidi.def}[2022/06/07 v0.1 bidi adaptations for beamer]
3242 \AtBeginDocument{%
3243   \if@RTLmain
3244     \setbeamertemplate{frametitle}[default][left]%
3245   \else
3246     \setbeamertemplate{frametitle}[default][right]%
3247   \fi
3248 }
3249
3250

```

37 File beamerthemeSingapore-xetex-bidi.def

```

3251 \ProvidesFile{beamerthemeSingapore-xetex-bidi.def}[2022/06/09 v0.1 bidi adaptations for beamer]
3252 \addtoheadtemplate{\pgfuses shading{beamer@headfade}\vskip-1.25cm}{%
3253
3254 \beamertemplatedotitem
3255
3256 \AtBeginDocument{%
3257   \setbeamertemplate{frametitle}[default][center]%
3258 }
3259
3260

```

38 File bidi.sty

```

3261 \NeedsTeXFormat{LaTeX2e}
3262 \def\bididate{2022/06/11}
3263 \def\bidi@version{38.0}
3264 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space
3265 Bidirectional typesetting in plain TeX and LaTeX]
3266 \edef\@bidi@info{*****~J%
3267 * ~J%
3268 * bidi package (Bidirectional typesetting in~J%
3269 * plain TeX and LaTeX, using XeTeX engine)~J%
3270 * ~J%
3271 * Description: A convenient interface for~J%
3272 * typesetting bidirectional texts in plain TeX~J%
3273 * and LaTeX. The package includes adaptations~J%
3274 * for use with many other commonly-used packages.~J%
3275 * ~J%
3276 * Copyright (c) 2007--2022 Vafa Khalighi~J%
3277 * Copyright (c) 2018--2020 bidi-tex GitHub organization~J%
3278 * ~J%
3279 * v\bidi@version, \bididate~J%
3280 * ~J%
3281 * License: LaTeX Project Public License, version~J%
3282 * 1.3c or higher (your choice)~J%
3283 * ~J%
3284 * Location on CTAN: /macros/xetex/latex/bidi~J%
3285 * ~J%
3286 * Issue tracker: https://github.com/kvafa/bidi/issues~J%
3287 * ~J%
3288 * Discussions: https://github.com/kvafa/bidi/discussions~J%

```



```

3289 * ^^J%
3290 * Primary author of bidi package: Vafa Khalighi.^^J%
3291 * ^^J%
3292 ****}
3293 \typeout{\@bidi@info}
3294 \edef\bidi@everyjob{\the\everyjob}
3295 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
3296 \newcommand*{\bidi@version}{\ensuremath\bidi@version}
3297 \newcommand*{\IfbidiPackageVersionLater}[1]{%
3298   \ifdim\bidi@version pt > #1 pt %
3299     \expandafter\@firstoftwo
3300   \else
3301     \expandafter\@secondoftwo
3302   \fi}
3303 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
3304   \ifdim\bidi@version pt < #1 pt %
3305     \expandafter\@firstoftwo
3306   \else
3307     \expandafter\@secondoftwo
3308   \fi}
3309 \newcommand*{\IfbidiPackageVersion}[1]{%
3310   \ifdim\bidi@version pt = #1 pt %
3311     \expandafter\@firstoftwo
3312   \else
3313     \expandafter\@secondoftwo
3314   \fi}
3315 \RequirePackage{iftex}
3316 \RequireXeTeX
3317 \RequirePackage{bidiutils}
3318 \RequirePackage{zref-abspage}
3319 \RequirePackage{auxhook}
3320 \RequirePackage{ltxcmds}
3321 \RequirePackage{xkeyval}
3322 \eqnewif{\if@RTLmain}{\if@rlmain}
3323 \eqnewif{\if@RTL}{\if@rl}
3324 \newif\if@nonlatin
3325 \newif\if@bidi@perpage@footnote
3326 \newcommand*{\setlatin}{\@nonlatinfalse}
3327 \newcommand*{\setnonlatin}{\@nonlatintrue}
3328 \eqnewif{\if@RTLtab}{\if@tab@rl}
3329 \newif\if@hboxRconstruct
3330 \newif\if@bidi@pdfencrypt
3331 \newcommand*{\setRTLtable}{\@RTLtabtrue}
3332 \newcommand*{\setLTRtable}{\@RTLtabfalse}
3333 \newif\if@bidi@pdfmark
3334 \newif\if@RTLMarginpar
3335 \newif\if@LTRmarginpar
3336 \newif\if@LTRbibitems
3337 \newif\if@RTLbibitems
3338 \newif\if@extrafootnotefeatures
3339 \newif\if@RTLcolumnfootnotes
3340 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
3341 \newif\if@bidi@list@minipage@parbox
3342 \newif\if@bidi@list@minipage@parbox@not@nob

```



```

3343 \newcommand*{\@bidi@pdfcreator}{%
3344   The bidi package, v\bidi@version, \bididate
3345 }
3346 \newcommand*{\@bidi@pdfproducer}{%
3347   The bidi package, v\bidi@version, \bididate
3348 }
3349 \newcommand*{\@bidi@pdfcustomproperties}{%
3350   This is the bidi package, Version \bidi@version,
3351   Released June 11, 2022.
3352 }
3353 \newcommand*{\bidi@beamer@ragged}{%
3354   \RTLmainfalse
3355   \AtBeginDocument{%
3356     \ifRTLmain\else
3357       \ifRTL\@RTLmaintrue%
3358       \else\@RTLmainfalse%
3359     \fi%
3360   \fi%
3361 }
3362 \let\n@xt=\
3363 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
3364 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
3365 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
3366 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
3367 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
3368   \errmessage{Missing left brace has been substituted}\fi \bgroup}
3369 \newinsert\@bidi@copyins@
3370 \skip\@bidi@copyins@=12\p@
3371 \dimen\@bidi@copyins@=40pc
3372 \count\@bidi@copyins@=1000
3373 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
3374 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
3375   \ifRTLmain
3376     \if@twocolumn
3377       \hboxR to \columnwidth
3378     \else
3379       \hboxR to \textwidth
3380     \fi
3381   \else
3382     \if@twocolumn
3383       \hboxL to \columnwidth
3384     \else
3385       \hboxL to \textwidth
3386     \fi
3387   \fi
3388 }
3389 \newcommand*{\@bidi@logo}[1]{%
3390   \toks@{%
3391     \setbox\z@\hbox{%
3392       \special{%
3393         pdf:image width 50pt height 50pt (#1)%
3394       }
3395     }%
3396     \dp\z@\z@

```



```

3397 \ht\z@=50pt
3398 \wd\z@=50pt
3399 \beginL
3400 \lower20pt\box\z@
3401 \endL
3402 }%
3403 \the\toks@
3404 }
3405 \newcommand*{\@bidi@logo@}{%
3406 \bidi@logo@hb@xt@columnwidth
3407 {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
3408 package\quad\bidi@logo{bidi-logo.pdf}}}}
3409 \define@key{bidi@pdfencrypt}{userpassword}[]{%
3410 \def\bidi@pdfencrypt@userpassword{#1}%
3411 }
3412 \define@key{bidi@pdfencrypt}{ownerpassword}[]{%
3413 \def\bidi@pdfencrypt@ownerpassword{#1}%
3414 }
3415 \define@key{bidi@pdfencrypt}{keylength}[128]{%
3416 \def\bidi@pdfencrypt@keylength{#1}%
3417 }
3418 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{%
3419 \def\bidi@pdfencrypt@permissionflags{#1}%
3420 }
3421 \newcommand*{\pdfencryptsetup}{\setkeys{bidi@pdfencrypt}}
3422 \@onlypreamble\pdfencryptsetup
3423 \input{latex-xetex-bidi.def}
3424 \input{loadingorder-xetex-bidi.def}
3425 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
3426 \ifcase\bidi@tempb\relax
3427 \RTLtrue
3428 \or
3429 \RTLfalse
3430 \fi}
3431 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
3432 \ifcase\bidi@tempb\relax
3433 \RTLtrue
3434 \or
3435 \RTLfalse
3436 \fi}
3437 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
3438 \ifcase\bidi@tempb\relax
3439 \RTLtabtrue
3440 \or
3441 \RTLtabfalse
3442 \fi}
3443 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
3444 \ifcase\bidi@tempb\relax
3445 \nonlatinfalse
3446 \or
3447 \nonlatintrue
3448 \fi}
3449 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
3450 \ifcase\bidi@tempb\relax

```



```

3451 \RTLtrue
3452 \or
3453 \RTLfalse
3454 \fi}
3455 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split}
3456 \ifcase\bidi@tempb\relax
3457 \autofootnoterule
3458 \or
3459 \leftfootnoterule
3460 \or
3461 \rightfootnoterule
3462 \or
3463 \SplitFootnoteRule
3464 \or
3465 \textwidthfootnoterule
3466 \fi}
3467 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
3468 \ifcase\bidi@tempb\relax
3469 \RTL@footnotetrue
3470 \or
3471 \RTL@footnotefalse
3472 \fi}
3473 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
3474 \ifcase\bidi@tempb\relax
3475 \footdir@debugtrue
3476 \or
3477 \footdir@debugfalse
3478 \fi}
3479 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
3480 \ifcase\bidi@tempb\relax
3481 \@extrafootnotefeaturestrue
3482 \or
3483 \@extrafootnotefeaturesfalse
3484 \fi}
3485
3486 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
3487 \ifcase\bidi@tempb\relax
3488 \def\bidi@firstcolumn@status@write{%
3489 \protected@write\@auxout{%
3490 {\string\bidi@column@status
3491 {1}}}%
3492 \def\bidi@lastcolumn@status@write{%
3493 \protected@write\@auxout{%
3494 {\string\bidi@column@status{2}}}%
3495 \or
3496 \let\bidi@firstcolumn@status@write\relax
3497 \let\bidi@lastcolumn@status@write\relax
3498 \fi}
3499
3500 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
3501 \ifcase\bidi@tempb\relax
3502 \AtBeginDocument{\@bidi@inslogo}%
3503 \or
3504 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty

```




```

3505 \fi}
3506
3507 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
3508   \ifcase\bidi@tempb\relax
3509     \@bidi@pdfm@marktrue
3510   \or
3511     \@bidi@pdfm@markfalse
3512   \fi}
3513
3514 % The `perpagefootnote' option is documented in UK TeX FAQ at
3515 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
3516
3517 \define@choicekey{bidi.sty}{perpagefootnote}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
3518   \ifcase\bidi@tempb\relax
3519     \@bidi@perpage@footnotetrue
3520   \or
3521     \@bidi@perpage@footnotefalse
3522   \fi}
3523
3524 \ExecuteOptionsX{%
3525   DetectColumn=off%
3526 }
3527
3528 \ProcessOptionsX
3529
3530 \pdfencryptsetup{%
3531   userpassword,%
3532   ownerpassword,%
3533   keylength,%
3534   permissionflags%
3535 }
3536
3537 \if@extrafootnotefeatures
3538   \input{extrafootnotefeatures-xetex-bidi.def}
3539 \fi
3540 \newcount\bidi@digits
3541 \XeTeXinterchartokenstate=\@ne
3542 \newXeTeXintercharclass\bidi@digits@charclass
3543 \newXeTeXintercharclass\bidi@sepmark@charclass
3544 \XeTeXcharclass \. \bidi@sepmark@charclass
3545 \XeTeXcharclass \- \bidi@sepmark@charclass
3546 \bidi@digits=\0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
3547 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
3548 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
3549 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterCh
3550 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
3551 \bidi@AtEndPreamble{%
3552   \if@bidi@perpage@footnote
3553     \RequirePackage{bidi-perpage}%
3554     \ResetCounterPerPage{footnote}%
3555   \fi
3556   \ifx\bidi@pdfencrypt@ownerpassword\bidi@empty
3557     \ifx\bidi@pdfencrypt@userpassword\bidi@empty
3558       \@bidi@pdfencryptfalse

```



```

3559 \else
3560 \@bidi@pdfencrypttrue
3561 \fi
3562 \else
3563 \@bidi@pdfencrypttrue
3564 \fi
3565 \if@bidi@pdfencrypt
3566 \special{pdf:encrypt
3567 userpw (\bidi@pdfencrypt@userpassword)
3568 ownerpw (\bidi@pdfencrypt@ownerpassword)
3569 length \bidi@pdfencrypt@keylength
3570 perm \bidi@pdfencrypt@permissionflags
3571 }%
3572 \fi
3573 }
3574 \AtEndDocument{%
3575 \special{pdf:%
3576 docinfo<<%
3577 \if@bidi@pdfm@mark
3578 /Creator(\@bidi@pdfcreator)%
3579 /Producer(\@bidi@pdfproducer)%
3580 \fi
3581 /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
3582 \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
3583 /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
3584 }{}%
3585 >>%
3586 }%
3587 }

```

39 File bidi.tex

```

3588 \def\bididate{2022/06/11}
3589 \catcode\@=11
3590 \def\bidi@version{38.0}
3591 \let \protect \relax
3592 \newlinechar`\^^J
3593 \edef\@bidi@info{*****~J%
3594 * ~J%
3595 * bidi package (Bidirectional typesetting in~J%
3596 * plain TeX and LaTeX, using XeTeX engine)~J%
3597 * ~J%
3598 * Description: A convenient interface for~J%
3599 * typesetting bidirectional texts in plain TeX~J%
3600 * and LaTeX. The package includes adaptations~J%
3601 * for use with many other commonly-used packages.~J%
3602 * ~J%
3603 * Copyright (c) 2007--2022 Vafa Khalighi~J%
3604 * Copyright (c) 2018--2020 bidi-tex GitHub organization~J%
3605 * ~J%
3606 * v\bidi@version, \bididate~J%
3607 * ~J%
3608 * License: LaTeX Project Public License, version~J%
3609 * 1.3c or higher (your choice)~J%

```



```

3610 * ^^J%
3611 * Location on CTAN: /macros/xetex/latex/bidi^^J%
3612 * ^^J%
3613 * Issue tracker: https://github.com/kvafa/bidi/issues^^J%
3614 * ^^J%
3615 * Discussions: https://github.com/kvafa/bidi/discussions^^J%
3616 * ^^J%
3617 * Primary author of bidi package: Vafa Khalighi.^^J%
3618 * ^^J%
3619 *****}
3620 \message{\@bidi@info}
3621 \edef\bidi@everyjob{\the\everyjob}
3622 \everyjob{\bidi@everyjob\message{\@bidi@info}}
3623 \def\bidi@version{%
3624   \relax
3625   \ifmode
3626     \bidi@version
3627   \else
3628     $\bidi@version$
3629   \fi
3630 }
3631 \input iftex.sty
3632 \RequireXeTeX
3633 \newif\if@bidi@pdfm@mark
3634 \newif\if@RTLmain
3635 \newif\if@RTL
3636 \newif\if@hboxRconstruct
3637 \newif\if@sentdir
3638 \newif\if@RTL@footnote
3639 \@RTLmainfalse
3640 \def\setRTLmain{%
3641   \if@RTLmain\else
3642     \if@RTL\@RTLmaintrue%
3643     \else\@RTLmainfalse%
3644     \fi%
3645   \fi%
3646 }
3647 \let\n@xt=\
3648 \protected\def\LRE{\protect\pLRE}%
3649 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
3650 \protected\def\RLE{\protect\pRLE}
3651 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
3652 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
3653   \errmessage{Missing left brace has been substituted}\fi \bgroup}
3654 \newinsert\@bidi@copyins@
3655 \skip\@bidi@copyins@=12\p@
3656 \dimen\@bidi@copyins@=40pc
3657 \count\@bidi@copyins@=1000
3658 \def\@bidi@inslogo@{\insert\@bidi@copyins@{\@bidi@logo@}}
3659 \def\@bidi@logo@hb@xt@{%
3660   \if@RTLmain
3661     \hboxR to
3662   \else
3663     \hboxL to

```



```

3664 \fi
3665 }
3666 \def\@bidi@logo#1{%
3667   \toks@{%
3668     \setbox\z@\hbox{%
3669       \special{%
3670         pdf:image width 50pt height 50pt (#1)%
3671       }
3672     }%
3673     \dp\z@\z@
3674     \ht\z@=50pt
3675     \wd\z@=50pt
3676     \beginL
3677       \lower20pt\box\z@
3678     \endL
3679   }%
3680   \the\toks@
3681 }
3682 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@logo}}
3683 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
3684 \def\@bidi@pdfcreator{%
3685   The bidi package, v\@bidi@version, \@bidi@date
3686 }
3687 \def\@bidi@pdfproducer{%
3688   The bidi package, v\@bidi@version, \@bidi@date
3689 }
3690 \def\@bidi@pdfcustomproperties{%
3691   This is the bidi package, Version \@bidi@version,
3692   Released June 11, 2022.
3693 }
3694 \def\@bidi@pdfm@mark{%
3695   \special{pdf:%
3696     docinfo<<%
3697     \if\@bidi@pdfm@mark
3698       /Creator(\@bidi@pdfcreator)%
3699       /Producer(\@bidi@pdfproducer)%
3700     \fi
3701     /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
3702     >>%
3703   }%
3704 }
3705 \def\@bidi@pdfinfoon{\@bidi@pdfm@marktrue}
3706 \def\@bidi@pdfinfooff{\@bidi@pdfm@markfalse}
3707 \input plain-xetex-bidi.def
3708 \@bidi@inslogo@
3709 \outer\def\bye{\par\vfill\supereject\@bidi@pdfm@mark\end}
3710 \catcode`\@=12
3711 \@bidi@pdfinfoon

```

40 File bidi2in1.sty

```

3712 \NeedsTeXFormat{LaTeX2e}
3713 \ProvidesPackage{bidi2in1}
3714 \pagestyle{plain}

```



```

3715 \newcount\evenpage
3716 \newcount\oddpge
3717 \twocolumn
3718 \def\@oddfoot{\evenpage=\thepage%
3719 \multiply\evenpage by 2%
3720 \oddpge=\the\evenpage%
3721 \advance\oddpge by -1%
3722 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
3723 \def\@evenfoot{\evenpage=\thepage%
3724 \multiply\evenpage by 2%
3725 \oddpge=\the\evenpage%
3726 \advance\oddpge by -1%
3727 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
3728 \textwidth 9.49in
3729 \textheight 6.7in
3730 \columnsep 0.9in
3731 \columnseprule 0.125pt
3732 \headheight 0cm
3733 \topmargin 0in
3734 \marginparwidth 0in
3735 \marginparsep 0in
3736 \hoffset 0.05in % Corrected
3737 \voffset -0.5in %top margin space is 1.0in by default
3738 \oddsidemargin 0in
3739 \evensidemargin 0in
3740 \headsep 0cm
3741 \topskip 0cm
3742 \parskip 0.15in %
3743 \headsep 0pt
3744 \special{papersize=11.69in,8.26in}
3745 \renewcommand\maketitle{\par
3746 \begingroup
3747 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
3748 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
3749 \long\def\@makefntext##1{\parindent 1em\noindent
3750 \hb@xt@1.8em{%
3751 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
3752 \@maketitle
3753 \@thanks
3754 \endgroup
3755 \setcounter{footnote}{0}%
3756 \global\let\thanks\relax
3757 \global\let\maketitle\relax
3758 \global\let\@maketitle\relax
3759 \global\let\@thanks\@empty
3760 \global\let\@author\@empty
3761 \global\let\@date\@empty
3762 \global\let\@title\@empty
3763 \global\let\title\relax
3764 \global\let\author\relax
3765 \global\let\date\relax
3766 \global\let\and\relax
3767 }

```



41 File bidicode.sty

```
3768 \NeedsTeXFormat{LaTeX2e}
3769 \ProvidesPackage{bidicode}
3770 \RequirePackage{xcolor}
3771 \RequirePackage{showexpl}
3772 \definecolor{hellgelb}{rgb}{1,1,0.85}
3773 \definecolor{colKeys}{rgb}{0,0,1}
3774 \definecolor{colIdentifier}{rgb}{0,0,0}
3775 \definecolor{colComments}{rgb}{1,0,0}
3776 \definecolor{colString}{rgb}{0,0.5,0}
3777 \lstset{
3778     language=[LaTeX]TEX,
3779     float=hbp,
3780     basicstyle=\ttfamily\small,
3781     identifierstyle=\color{colIdentifier},
3782     keywordstyle=\color{colKeys},
3783     stringstyle=\color{colString},
3784     commentstyle=\color{colComments},
3785     backgroundcolor=\color{hellgelb},
3786     columns=flexible,
3787     tabsize=4,
3788     extendedchars=true,
3789     showspace=false,
3790     showstringspaces=false,
3791     numbers=left,
3792     numbersep=0.9em,
3793     numberstyle=\tiny, %
3794     frame=single,
3795     captionpos=b,
3796     xleftmargin=1em,
3797     breaklines=true,
3798     breakautoindent=false,
3799     breakindent=0pt,
3800     escapeinside=**,
3801     pos=r,
3802     explpreset={%
3803     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
3804     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
3805 }
3806 \newcommand\HLON{%
3807   \gdef\lst@alloverstyle##1{%
3808     \fboxrule=0pt
3809     \fboxsep=0pt
3810     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
3811   }}
3812 \newcommand\HLOFF{%
3813   \xdef\lst@alloverstyle##1{##1}%
3814 }
3815 \newcommand\Larg [1]{\normalfont\itshape#1\/\}}
3816 \newcommand\Larga[1]{\$\langle$\Larg{#1}$\rangle$}
3817 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
3818 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
3819 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
```



```

3820 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
3821 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
3822
3823 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
3824 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`\{}}
3825 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`\}}
3826 \DeclareRobustCommand\lsb{\normalfont\ttfamily[}
3827 \DeclareRobustCommand\rsb{\normalfont\ttfamily]}
3828 \DeclareRobustCommand\lrb{\normalfont\ttfamily(}
3829 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}
3830
3831 \def\Lcs#1{\nxLcs{#1}}
3832 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
3833 \def\nxLcs#1{\texttt{\symbol{92}#1}}
3834
3835 \def\Coordx#1{$x_{#1}$}
3836 \def\Coordy#1{$y_{#1}$}
3837 \def\Coordz#1{$z_{#1}$}
3838 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
3839 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
3840 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
3841 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
3842 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
3843 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
3844 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
3845 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
3846 \def\coordx#1{($x_{#1}$)}
3847 \def\coordy#1{($y_{#1}$)}
3848 \def\coordz#1{($z_{#1}$)}
3849 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
3850 \def\ciiiiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
3851
3852 \newsavebox{\boxdef}
3853 \newenvironment{BDef}
3854   {\begin{lrbox}\boxdef
3855     \def\arraystretch{1.0}
3856     \begin{tabular}{@{}l@{}l@{}l@{}}
3857   }
3858   {\end{tabular}\end{lrbox}}
3859
3860   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
3861   \aftergroup\@afterindentfalse\aftergroup\@afterheading
3862 }
3863
3864 \newenvironment{BDef*}
3865   {\begin{lrbox}\boxdef
3866     \def\arraystretch{1.0}
3867     \begin{tabular}{@{}l@{}l@{}l@{}}
3868   }
3869   {\end{tabular}\end{lrbox}}
3870   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
3871   \aftergroup\@afterindentfalse\aftergroup\@afterheading
3872 }
3873 \newenvironment{BCmd}{

```



```

3874 \@beginparpenalty-\@lowpenalty
3875 \topsep\BDefaboveskip
3876 \fboxsep3pt
3877 \flushleft}
3878 {\@endparpenalty\@M
3879 \topsepadd\BDefbelowskip
3880 \endflushleft}
3881
3882 \newenvironment{BCmd*}{
3883 \@beginparpenalty\@M
3884 \topsep\BDefinlineskip
3885 \fboxsep3pt
3886 \flushleft}
3887 {\@endparpenalty5000
3888 \endflushleft}
3889
3890 \newskip\BDefaboveskip
3891 \newskip\BDefbelowskip
3892 \newskip\BDefinlineskip
3893 \setlength\BDefaboveskip{10pt plus 4pt}
3894 \setlength\BDefbelowskip{6pt}
3895 \setlength\BDefinlineskip{6pt}
3896
3897 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
3898 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
3899 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
3900 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

42 File bidiftnxtra.sty

```

3901 \NeedsTeXFormat{LaTeX2e}
3902 \ProvidesPackage{bidiftnxtra}
3903 \newtoks\bidip@ftn
3904 \let\FN@sffootnote\footnote
3905 \let\FN@sff@LTRfootnote\LTRfootnote
3906 \let\FN@sff@RTLfootnote\RTLfootnote
3907 \def\footnote{\ifx\protect\@typeset@protect
3908 \expandafter\FN@sff@footnote
3909 \else
3910 \expandafter\FN@sff@gobble@opt
3911 \fi
3912 }
3913 \def\LTRfootnote{\ifx\protect\@typeset@protect
3914 \expandafter\FN@sff@LTRfootnote
3915 \else
3916 \expandafter\FN@sff@gobble@opt
3917 \fi
3918 }
3919 \def\RTLfootnote{\ifx\protect\@typeset@protect
3920 \expandafter\FN@sff@RTLfootnote
3921 \else
3922 \expandafter\FN@sff@gobble@opt
3923 \fi
3924 }

```




```

3925 \edef\FN@sf@gobble@opt{\noexpand\protect
3926   \expandafter\noexpand\csname FN@sf@gobble@opt \endcsname}
3927 \expandafter\def\csname FN@sf@gobble@opt \endcsname{%
3928   \@ifnextchar[%]
3929     \FN@sf@gobble@twobrace
3930     \@gobble
3931 }
3932 \def\FN@sf@gobble@twobrace[#1]#2{}
3933 \let\FN@sf@@footnotemark\footnotemark
3934 \def\footnotemark{\ifx\protect\@typeset@protect
3935   \expandafter\FN@sf@@footnotemark
3936   \else
3937     \expandafter\FN@sf@gobble@optonly
3938   \fi
3939 }
3940 \edef\FN@sf@gobble@optonly{\noexpand\protect
3941   \expandafter\noexpand\csname FN@sf@gobble@optonly \endcsname}
3942 \expandafter\def\csname FN@sf@gobble@optonly \endcsname{%
3943   \@ifnextchar[%]
3944     \FN@sf@gobble@brace
3945     {}%
3946 }
3947 \def\FN@sf@gobble@brace[#1]{}
3948 \def\@tabular{%
3949   \leavevmode \hbox \bgroup
3950   \let\@footnotetext\@bidi@p@ftntext
3951   \let\@LTRfootnotetext\@bidi@p@LTRftntext
3952   \let\@RTLfootnotetext\@bidi@p@RTLftntext
3953   \let\@xfootnotenext\@bidi@p@xftntext
3954   \let\@xfootnote\@bidi@p@xfootnote
3955   \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
3956   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
3957   \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
3958   \let\@xRTLfootnote\@bidi@p@xRTLfootnote
3959   \if@RTLtab\beginR \fi
3960   $\let\@acol\@tabacol
3961   \let\@classz\@tabclassz
3962   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
3963 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
3964   \egroup $\if@RTLtab\endR\fi\egroup
3965   \ifx\@capytype\@undefined
3966     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
3967 \long\def\@bidi@p@ftntext#1{%
3968   \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
3969   \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
3970 \long\def\@bidi@p@LTRftntext#1{%
3971   \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
3972   \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
3973 \long\def\@bidi@p@RTLftntext#1{%
3974   \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
3975   \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
3976
3977
3978 \long\def\@bidi@p@xftntext[#1]#2{%

```



```

3979 \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}
3980
3981 \long\def\bidip@xLTRftntext[#1]#2{%
3982 \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
3983
3984 \long\def\bidip@xRTLftntext[#1]#2{%
3985 \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
3986
3987
3988 \def\bidip@xfootnote[#1]{%
3989 \begingroup
3990 \csname c@\mpfn\endcsname #1\relax
3991 \unrestored@protected@xdef\@thefnmark{\thempfn}%
3992 \endgroup
3993 \@footnotemark\bidip@xftntext[#1]}
3994
3995
3996 \def\bidip@xLTRfootnote[#1]{%
3997 \begingroup
3998 \csname c@\mpfn\endcsname #1\relax
3999 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4000 \endgroup
4001 \@footnotemark\bidip@xLTRftntext[#1]}
4002
4003
4004 \def\bidip@xRTLfootnote[#1]{%
4005 \begingroup
4006 \csname c@\mpfn\endcsname #1\relax
4007 \unrestored@protected@xdef\@thefnmark{\thempfn}%
4008 \endgroup
4009 \@footnotemark\bidip@xRTLftntext[#1]}
4010
4011 \def\@xfloat #1[#2]{%
4012 \nodocument
4013 \def \@cuptype {#1}%
4014 \def \@fps {#2}%
4015 \@onelevel@sanitize \@fps
4016 \def \reserved@b {!}%
4017 \ifx \reserved@b \@fps
4018 \@fpsadddefault
4019 \else
4020 \ifx \@fps \@empty
4021 \@fpsadddefault
4022 \fi
4023 \fi
4024 \ifhmode
4025 \@bsphack
4026 \@floatpenalty -\@Mii
4027 \else
4028 \@floatpenalty -\@Miii
4029 \fi
4030 \ifinner
4031 \@parmoderr\@floatpenalty\z@
4032 \else

```



```

4033 \@next\@currbox\@freelist
4034 {%
4035 \@tempcnta \sixt@@n
4036 \expandafter \@tfor \expandafter \reserved@a
4037 \expandafter :\expandafter =\@fps
4038 \do
4039 {%
4040 \if \reserved@a h%
4041 \ifodd \@tempcnta
4042 \else
4043 \advance \@tempcnta \@ne
4044 \fi
4045 \fi
4046 \if \reserved@a t%
4047 \setfpsbit \tw@
4048 \fi
4049 \if \reserved@a b%
4050 \setfpsbit 4%
4051 \fi
4052 \if \reserved@a p%
4053 \setfpsbit 8%
4054 \fi
4055 \if \reserved@a !%
4056 \ifnum \@tempcnta>15
4057 \advance\@tempcnta -\sixt@@n\relax
4058 \fi
4059 \fi
4060 }%
4061 \@tempcntb \csname ftype@\@capytype \endcsname
4062 \multiply \@tempcntb \xxxii
4063 \advance \@tempcnta \@tempcntb
4064 \global \count\@currbox \@tempcnta
4065 }%
4066 \fltovf
4067 \fi
4068 \global \setbox\@currbox
4069 \color@vbox
4070 \normalcolor
4071 \vbox \bgroup
4072 \let\@footnotetext\@p@ftntext
4073 \let\@LTRfootnotetext\@p@LTRftntext
4074 \let\@RTLfootnotetext\@p@RTLftntext
4075 \let\@xfootnotenext\@p@xftntext
4076 \let\@xfootnote\@p@xfootnote
4077 \let\@xLTRfootnotenext\@p@xLTRftntext
4078 \let\@xLTRfootnote\@p@xLTRfootnote
4079 \let\@xRTLfootnotenext\@p@xRTLftntext
4080 \let\@xRTLfootnote\@p@xRTLfootnote
4081 \hsize\columnwidth
4082 \@parboxrestore
4083 \@floatboxreset
4084 }
4085 \def \@endfloatbox{%
4086 \par\vskip\z@skip %% \par\vskip\z@ added 15 Dec 87

```



```

4087 \@minipagefalse
4088 \outer@nobreak
4089 \egroup %% end of vbox
4090 \global\bidip@p@ftn\expandafter{\expandafter}\the\bidip@p@ftn
4091 \color@endbox
4092 }

```

43 File bidimoderncv.cls

```

4093 \NeedsTeXFormat{LaTeX2e}
4094 \ProvidesClass{bidimoderncv}
4095 \newif\if@DEBUG\@DEBUGfalse
4096 \DeclareOption{a4paper}{
4097   \setlength\paperheight{297mm}
4098   \setlength\paperwidth{210mm}}
4099 \DeclareOption{a5paper}{
4100   \setlength\paperheight{210mm}
4101   \setlength\paperwidth{148mm}}
4102 \DeclareOption{b5paper}{
4103   \setlength\paperheight{250mm}
4104   \setlength\paperwidth{176mm}}
4105 \DeclareOption{letterpaper}{
4106   \setlength\paperheight{11in}
4107   \setlength\paperwidth{8.5in}}
4108 \DeclareOption{legalpaper}{
4109   \setlength\paperheight{14in}
4110   \setlength\paperwidth{8.5in}}
4111 \DeclareOption{executivepaper}{
4112   \setlength\paperheight{10.5in}
4113   \setlength\paperwidth{7.25in}}
4114 \DeclareOption{landscape}{
4115   \setlength\@tempdima{\paperheight}
4116   \setlength\paperheight{\paperwidth}
4117   \setlength\paperwidth{\@tempdima}}
4118 \newcommand\@ptsize{}
4119 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
4120 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
4121 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
4122 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
4123 \DeclareOption{final}{\setlength\overfullrule{0pt}}
4124 \newif\if@colour\@colourtrue
4125 \DeclareOption{nocolour}{\@colourfalse}
4126 \ExecuteOptions{a4paper,11pt,colour,final}
4127 \ProcessOptions\relax
4128 \input{size1\@ptsize.clo}
4129 \RequirePackage{color}
4130 \RequirePackage{graphicx}
4131 \RequirePackage{ifthen}
4132 \RequirePackage{marvosym}
4133 \addtolength{\oddsidemargin}{-54pt}
4134 \addtolength{\textwidth}{109pt}
4135 \addtolength{\topmargin}{-70pt}
4136 \addtolength{\textheight}{122pt}
4137 \addtolength{\marginparsep}{-5pt}

```



```

4138 \addtolength{\marginparwidth}{-10pt}
4139 \RequirePackage{url}
4140 \RequirePackage{hyperref}
4141 \hypersetup{%
4142   breaklinks,
4143   baseurl      = http://,%
4144   pdfborder    = 0 0 0,%
4145   pdfpagemode  = UseNone,%
4146   pdfstartpage = 1}
4147 \AtEndOfClass{%
4148   \AtBeginDocument{%
4149     \hypersetup{%
4150       pdfauthor      = \@firstname~\@familyname,%
4151       pdftitle       = \@title,%
4152       pdfsubject     = \@firstname~\@familyname,%
4153       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
4154 \urlstyle{tt}
4155 \RequirePackage{fancyhdr}
4156 \fancypagestyle{plain}{%
4157   \renewcommand{\headrulewidth}{0pt}
4158   \renewcommand{\footrulewidth}{0pt}
4159   \fancyhf{}}
4160 \pagestyle{plain}
4161 \setlength\lineskip{1\p@}
4162 \setlength\normallineskip{1\p@}
4163 \renewcommand\baselinestretch{}
4164 \setlength{\parindent}{0pt}
4165 \setlength{\parskip}{0pt}
4166 \setlength\columnsep{10\p@}
4167 \setlength\columnseprule{0\p@}
4168 \pagestyle{empty}
4169 \pagenumbering{arabic}
4170 \raggedbottom
4171 \onecolumn
4172 \providecommand*\listitemsymbol{\textbullet}
4173 \providecommand*\addresssymbol{}
4174 \providecommand*\mobilesymbol{\Mobilefone}
4175 \providecommand*\phonesymbol{\Telefon}
4176 \providecommand*\faxsymbol{\FAX}
4177 \providecommand*\emailsymbol{\Letter}
4178 \definecolor{firstnamecolor}{rgb}{0,0,0}
4179 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
4180 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
4181 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
4182 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
4183 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
4184 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
4185 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
4186 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
4187 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
4188 \providecommand*\firstnamefont{}
4189 \providecommand*\familynamefont{}
4190 \providecommand*\titlefont{}
4191 \providecommand*\addressfont{}

```



```

4192 \providecommand*{\quotefont}{\fontfamilyserif\fontseriesm\fontstyle0\fontsize10pt\fontcolorblack}
4193 \providecommand*{\sectionfont}{\fontfamilyserif\fontseriesm\fontstyle0\fontsize12pt\fontcolorblack}
4194 \providecommand*{\subsectionfont}{\fontfamilyserif\fontseriesm\fontstyle0\fontsize11pt\fontcolorblack}
4195 \providecommand*{\hintfont}{\fontfamilyserif\fontseriesm\fontstyle0\fontsize10pt\fontcolorblack}
4196 \providecommand*{\firstnamestyle}[1]{\fontfamilyserif\fontseriesm\fontstyle0\fontsize10pt\fontcolorblack}
4197 \providecommand*{\familynamestyle}[1]{\fontfamilyserif\fontseriesm\fontstyle0\fontsize10pt\fontcolorblack}
4198 \providecommand*{\titlestyle}[1]{\fontfamilyserif\fontseriesm\fontstyle0\fontsize12pt\fontcolorblack}
4199 \providecommand*{\addresstyle}[1]{\fontfamilyserif\fontseriesm\fontstyle0\fontsize10pt\fontcolorblack}
4200 \providecommand*{\quotestyle}[1]{\fontfamilyserif\fontseriesm\fontstyle0\fontsize10pt\fontcolorblack}
4201 \providecommand*{\sectionstyle}[1]{\fontfamilyserif\fontseriesm\fontstyle0\fontsize12pt\fontcolorblack}
4202 \providecommand*{\subsectionstyle}[1]{\fontfamilyserif\fontseriesm\fontstyle0\fontsize11pt\fontcolorblack}
4203 \providecommand*{\hintstyle}[1]{\fontfamilyserif\fontseriesm\fontstyle0\fontsize10pt\fontcolorblack}
4204 \newcommand*{\cvtheme}[2][{}]{
4205   \def\@cvtheme{#2}
4206   \def\@cvthemeoptions{#1}
4207   \cvtheme{bidi-casual}
4208   \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
4209   \newcommand*{\resumename}[1]{\def\@resumename{#1}}
4210   \newcommand*{\firstname}[1]{\def\@firstname{#1}}
4211   \newcommand*{\familyname}[1]{\def\@familyname{#1}}
4212   \renewcommand*{\title}[1]{\def\@title{#1}}
4213   \newcommand*{\address}[1]{\def\@address{#1}}
4214   \newcommand*{\mobile}[1]{\def\@mobile{#1}}
4215   \newcommand*{\phone}[1]{\def\@phone{#1}}
4216   \renewcommand*{\fax}[1]{\def\@fax{#1}}
4217   \newcommand*{\email}[1]{\def\@email{#1}}
4218   \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
4219   \def\@photowidth{0pt}
4220   \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
4221   \newcommand*{\quote}[1]{\def\@quote{#1}}
4222   \newlength{\quotewidth}
4223   \newlength{\hintscolumnwidth}
4224   \newlength{\separatorcolumnwidth}
4225   \setlength{\separatorcolumnwidth}{0.025\textwidth}
4226   \newlength{\maincolumnwidth}
4227   \newlength{\doubleitemmaincolumnwidth}
4228   \newlength{\listitemsymbolwidth}
4229   \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
4230   \newlength{\listitemmaincolumnwidth}
4231   \newlength{\listdoubleitemmaincolumnwidth}
4232   \newcommand*{\recomputethemelengths}{
4233     \newcommand*{\recomputelengths}{%
4234       \setlength{\quotewidth}{0.65\textwidth}%
4235       \setlength{\maincolumnwidth}{\textwidth}%
4236       \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
4237       \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
4238       \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
4239       \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
4240       \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
4241       \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
4242       \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
4243       \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
4244       \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
4245       \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%

```



```

4246 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
4247 \renewcommand{\headwidth}{\textwidth}%
4248 \recomputethemelengths}
4249 \setlength{\hintscolumnwidth}{0.15\textwidth}
4250 \recomputelengths
4251 \title{}
4252 \renewcommand*{\maketitle}{}
4253 \newcommand*{\section}[1]{%
4254 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
4255 \phantomsection}%
4256 \addcontentsline{toc}{part}{#1}%
4257 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
4258 \hspace{\separatorcolumnwidth}%
4259 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]}
4260 \newcommand*{\subsection}[1]{%
4261 \cvline[0.45em]{}{\subsectionstyle{#1}}}
4262 \newcommand*{\cvline}[3][.25em]{%
4263 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}
4264 \bidi@raggedleft\hintfont{#2} &{#3}%
4265 \end{tabular}\[\[1]}
4266 \newcommand*{\cvdoubleitem}[4]{%
4267 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
4268 \hfill%
4269 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\
4270 \newcommand*{\cvlistitem}[2][\listitemsymbol{}]{%
4271 \cvline[0pt]{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
4272 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol{}]{%
4273 \cvline[0pt]{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
4274 \hfill%
4275 \ifthenelse{\equal{#3}{}}%
4276 {}%
4277 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
4278 \newcommand*{\cventry}[6]{%
4279 \cvline{#1}{%
4280 {\bfseries#2}%
4281 \ifx#3\else{, {\slshape#3}}\fi%
4282 \ifx#4\else{, #4}\fi%
4283 \ifx#5\else{, #5}\fi%
4284 .%
4285 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
4286 }%
4287 \newcommand*{\cvlanguage}[3]{%
4288 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin
4289 \newcommand*{\cvcomputer}[4]{%
4290 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
4291 \newcommand*{\link}[2][{}]{%
4292 \ifthenelse{\equal{#1}{}}%
4293 {\href{#2}{#2}}%
4294 {\href{#2}{#1}}}
4295 \newcommand*{\httplink}[2][{}]{%
4296 \ifthenelse{\equal{#1}{}}%
4297 {\href{http://#2}{#2}}%
4298 {\href{http://#2}{#1}}}
4299 \newcommand*{\emailink}[2][{}]{%

```



```

4300 \ifthenelse{\equal{#1}{}}%
4301   {\href{mailto:#2}{#2}}%
4302   {\href{mailto:#2}{#1}}%
4303 \newif\if@displaypagenumbers\@displaypagenumberstrue
4304 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
4305 \AtBeginDocument{%
4306   \if@displaypagenumbers%
4307     \ifundefined{r@lastpage}{}%
4308     \ifthenelse{\pageref{lastpage} > 1}{%
4309       \fancypagestyle{plain}{%
4310         \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pag
4311         \pagestyle{plain}}}%
4312     \AtEndDocument{\label{lastpage}}%
4313   \fi}
4314 \newlength{\bibindent}
4315 \setlength{\bibindent}{1.5em}
4316 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
4317 \newenvironment{thebibliography}[1]%
4318   {%
4319     \section{\refname}%
4320     \small%
4321     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
4322     \bidi@@thebibliography@font@hook%
4323     \begin{list}{\bibliographyitemlabel}%
4324       {%
4325         \setlength{\topsep}{0pt}%
4326         \setlength{\labelwidth}{\hintscolumnwidth}%
4327         \setlength{\labelsep}{\separatorcolumnwidth}%
4328         \leftmargin\labelwidth%
4329         \advance\leftmargin\labelsep%
4330         \@openbib@code%
4331         \usecounter{enumiv}%
4332         \let\p@enumiv\@empty%
4333         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
4334         \sloppy\clubpenalty4000\widowpenalty4000%
4335       }%
4336     {%
4337       \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
4338       \end{list}%
4339     }
4340 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
4341 \let\@openbib@code\@empty

```

44 File bidi-perpage.sty

```

4342 \NeedsTeXFormat{LaTeX2e}
4343 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
4344 \newcount\bidi@page@count
4345 \bidi@page@count\@ne
4346 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
4347   \if@bidi@csundef\bidi@stepcounterhook@@#2}{%
4348     \expandafter\gdef\csname bidi@stepcounterhook@@#2\endcsname{}%
4349   }{}%
4350   \if@bidi@csundef\if@bidi@reset@#2@rerun}{%

```




```

4351 \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
4352 }{}%
4353 \if@bidi@csundef{bidi@#2@count}{%
4354 \expandafter\newcount\csname bidi@#2@count\endcsname
4355 }{}%
4356 \csname bidi@#2@count\endcsname\z@
4357 \if@bidi@csundef{bidi@previous@page@@#2@count}{%
4358 \expandafter\newcount\csname
4359 bidi@previous@page@@#2@count\endcsname
4360 }{}%
4361 \csname bidi@previous@page@@#2@count\endcsname\z@
4362 \if@bidi@csundef{bidi@reset@#2@perpage}{%
4363 \bidi@AfterEndDocumentCheckLabelsRerun{%
4364 \csname if@bidi@reset@#2@rerun\endcsname
4365 \PackageWarningNoLine{bidi-perpage}{%
4366 Counter `#2' may not have been reset per page.
4367 Rerun to reset counter `#2' per page%
4368 }%
4369 \fi
4370 }%
4371 }{}%
4372 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
4373 \global\advance\csname bidi@#2@count\endcsname\@ne
4374 \if@files@
4375 \edef\@tempa{%
4376 \write\@auxout{%
4377 \string\bidi@counter@page{#2}%
4378 {\number\csname bidi@#2@count\endcsname}%
4379 {\noexpand\number\noexpand\bidi@page@count}%
4380 }%
4381 }%
4382 \@tempa
4383 \fi
4384 \begin@group\expandafter\expandafter\expandafter\end@group
4385 \expandafter\ifx\csname bidi@#2@@\number\csname
4386 bidi@#2@count\endcsname\endcsname\relax
4387 \global\csname @bidi@reset@#2@reruntrue\endcsname
4388 \else
4389 \global\csname @bidi@reset@#2@rerunfalse\endcsname
4390 \expandafter\@tempcnta\csname bidi@#2@@\number
4391 \csname bidi@#2@count\endcsname\endcsname\relax
4392 \ifnum\@tempcnta=\csname
4393 bidi@previous@page@@#2@count\endcsname
4394 \else
4395 \global\csname
4396 bidi@previous@page@@#2@count\endcsname\@tempcnta
4397 \global\csname c@#2\endcsname#1\relax
4398 \fi
4399 \fi
4400 }%
4401 \expandafter\bidi@gappto\csname
4402 bidi@stepcounterhook@@#2\endcsname{%
4403 \csname bidi@reset@#2@perpage\endcsname
4404 }%

```



```

4405 }
4406 \def\bidicounter@page#1#2#3{\bidi@namegdef{bidi@#1@@#2}-{#3}}
4407 \bidi@AtEndOutputPage{%
4408   \global\advance\bidi@page@count\@ne
4409 }

```

45 File biditools.sty

```

4410 \NeedsTeXFormat{LaTeX2e}
4411 \ProvidesPackage{biditools}[2022/06/06 v2.2 Programming tools for bidi package]
4412 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
4413   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
4414   \ifx\@tempa\@tempb \global\let#2#1%
4415   \else
4416     \edef\@tempb{\meaning#2}%
4417     \ifx\@tempa\@tempb
4418     \else
4419       \@latex@error{Unable to properly define \string#2; primitive
4420         \noexpand#1no longer primitive}\@eha
4421     \fi
4422   \fi
4423   \endgroup}
4424 \newtoks\@bidi@envbody
4425 \newtoks\@bidi@emptytoks
4426 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
4427 \def\bidi@collect@body#1{%
4428   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
4429   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
4430   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
4431   \begingroup
4432   \expandafter\let\csname\@currenvir\endcsname\bidi@collect@@body
4433   \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
4434   \bidi@process@envbody
4435 }
4436 \def\bidi@push@begins#1\begin#2{%
4437   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
4438 }
4439 \def\bidi@collect@@body#1\end#2{%
4440   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
4441   \ifx\@empty\begin@bidi@stack
4442     \endgroup
4443     \@checkend{#2}%
4444     \bidi@addto@envbody{#1}%
4445   \else
4446     \bidi@addto@envbody{#1\end{#2}}%
4447   \fi
4448   \bidi@process@envbody % A little tricky! Note the grouping
4449 }
4450 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
4451 \long\def\bidi@collect@long@body#1{%
4452   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
4453   \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
4454   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
4455   \begingroup

```



```

4456 \expandafter\let\csname\@currentvir\endcsname\@bidi@collect@long@@body
4457 \edef\@bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
4458 \bidi@process@envbody
4459 }
4460 \long\def\@bidi@push@long@begins#1\begin#2{%
4461 \ifx\end#2\else \bidi@push@long@begins\fi
4462 }
4463 \long\def\@bidi@collect@long@@body#1\end#2{%
4464 \edef\begin@bidi@stack{\@bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@
4465 \ifx\@empty\begin@bidi@stack
4466 \endgroup
4467 \@checkend{#2}%
4468 \bidi@addto@long@envbody{#1}%
4469 \else
4470 \bidi@addto@long@envbody{#1\end{#2}}%
4471 \fi
4472 \bidi@process@envbody % A little tricky! Note the grouping
4473 }
4474 \long\def\@bidi@new@ifnextchar#1#2#3{%
4475 \let\reserved@d= #1%
4476 \def\reserved@a{#2}\def\reserved@b{#3}%
4477 \futurelet\@let@token\bidi@new@ifnch
4478 }
4479 \def\@bidi@new@ifnch{%
4480 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
4481 \reserved@b
4482 }
4483 \def\@bidi@matrix@check#1{%
4484 \expandafter\ifx\csname\@currentvir\endcsname#1%
4485 \else\@bidi@matrix@error#1%
4486 \expandafter\@gobble
4487 \fi
4488 }
4489 \def\@bidi@matrix@error#1{%
4490 \PackageError{biditools}{%
4491 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
4492 }{%
4493 '\string#1{...}' is old bidi package syntax whose use is
4494 ill-advised in the old versions of bidi package.%
4495 }%
4496 }
4497 \def\@tagsextension{clo}
4498 \def\@definitionfileextension{def}
4499 \def\@texfileextension{tex}
4500 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
4501 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
4502 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
4503 \def\eqnewif#1#2{%
4504 \count@\escapechar \escapechar\m@ne
4505 \let#1\iffalse
4506 \let#2\iffalse
4507 \eq@if#1#2\iftrue
4508 \eq@if#1#2\iffalse
4509 \escapechar\count@}

```



```

4510 \def\eq@if#1#2#3{%
4511   \expandafter\def\csname\expandafter@gobbletwo\string#1%
4512     \expandafter@gobbletwo\string#3\endcsname
4513     {\let#1#3%
4514       \let#2#3}%
4515   \expandafter\def\csname\expandafter@gobbletwo\string#2%
4516     \expandafter@gobbletwo\string#3\endcsname
4517     {\let#2#3%
4518       \let#1#3}}
4519 \newcommand*\SetBoolean}[2]{%
4520   \lowercase{\def\@tempa{#2}}%
4521   \@ifundefined{@tempwa\@tempa}%
4522   {\PackageError{biditools}%
4523     {You can only set a boolean to `true' or `false'}\@ehc}%
4524   {\@ifundefined{#1\@tempa}%
4525     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
4526     {\csname#1\@tempa\endcsname}}}%
4527 \newcommand*\GlobalSetBoolean}[2]{%
4528   \lowercase{\def\@tempa{#2}}%
4529   \@ifundefined{@tempwa\@tempa}%
4530   {\PackageError{biditools}%
4531     {You can only set a boolean to `true' or `false'}\@ehc}%
4532   {\@ifundefined{#1\@tempa}%
4533     {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
4534     {\global\csname#1\@tempa\endcsname}}}%
4535 \newcommand*\SetatBoolean}[2]{%
4536   \lowercase{\def\@tempa{#2}}%
4537   \@ifundefined{@tempwa\@tempa}%
4538   {\PackageError{biditools}%
4539     {You can only set a boolean to `true' or `false'}\@ehc}%
4540   {\@ifundefined{@#1\@tempa}%
4541     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
4542     {\csname @#1\@tempa\endcsname}}}%
4543 \newcommand*\GlobalSetatBoolean}[2]{%
4544   \lowercase{\def\@tempa{#2}}%
4545   \@ifundefined{@tempwa\@tempa}%
4546   {\PackageError{biditools}%
4547     {You can only set a boolean to `true' or `false'}\@ehc}%
4548   {\@ifundefined{@#1\@tempa}%
4549     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
4550     {\global\csname @#1\@tempa\endcsname}}}%
4551 \def\@bidi@removefromreset#1#2{%
4552   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
4553   \def\@elt##1{%
4554     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
4555     \else
4556       \noexpand\@elt{##1}%
4557     \fi}%
4558   \expandafter\xdef\csname cl@#2\endcsname{%
4559     \csname cl@#2\endcsname}}}%
4560 \newcommand*\ifRtoL{%
4561   \ifRTL
4562     \expandafter\@firstoftwo
4563   \else

```



```

4564 \expandafter\@secondoftwo
4565 \fi}
4566 \newcommand*{\ifLtoR}{\%
4567 \if@RTL
4568 \expandafter\@secondoftwo
4569 \else
4570 \expandafter\@firstoftwo
4571 \fi}
4572 \newcommand*{\ifRtoLtable}{\%
4573 \if@RTLtab
4574 \expandafter\@firstoftwo
4575 \else
4576 \expandafter\@secondoftwo
4577 \fi}
4578 \newcommand*{\ifLtoRtable}{\%
4579 \if@RTLtab
4580 \expandafter\@secondoftwo
4581 \else
4582 \expandafter\@firstoftwo
4583 \fi}
4584 \newcommand*{\ifRtoLhboxconstruct}{\%
4585 \if@hboxRconstruct
4586 \expandafter\@firstoftwo
4587 \else
4588 \expandafter\@secondoftwo
4589 \fi}
4590 \newcommand*{\ifLtoRhboxconstruct}{\%
4591 \if@hboxRconstruct
4592 \expandafter\@secondoftwo
4593 \else
4594 \expandafter\@firstoftwo
4595 \fi}
4596 \newcommand*{\iflatin}{\%
4597 \if@nonlatin
4598 \expandafter\@secondoftwo
4599 \else
4600 \expandafter\@firstoftwo
4601 \fi}
4602 \newcommand*{\ifnonlatin}{\%
4603 \if@nonlatin
4604 \expandafter\@firstoftwo
4605 \else
4606 \expandafter\@secondoftwo
4607 \fi}
4608
4609 \newcommand*{\bidi@convert@dimen@t@unit}[2]{\%
4610 \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
4611
4612 \newcommand*{\bidi@convert@dimen@t@pt}[1]{\%
4613 \dimexpr #1*65536/\dimexpr 1pt\relax}
4614
4615 \newcommand*{\if@bidi@csdef}[1]{\%
4616 \ifcsname#1\endcsname
4617 \expandafter\@firstoftwo

```



```

4618 \else
4619 \expandafter\@secondoftwo
4620 \fi}
4621 \newcommand*{\if@bidi@csundef}[1]{%
4622 \ifcsname#1\endcsname
4623 \expandafter\ifx\csname#1\endcsname\relax
4624 \expandafter\expandafter
4625 \expandafter\@firstoftwo
4626 \else
4627 \expandafter\expandafter
4628 \expandafter\@secondoftwo
4629 \fi
4630 \else
4631 \expandafter\@firstoftwo
4632 \fi}
4633 \newcommand{\if@bidi@def}[1]{%
4634 \ifdefined#1%
4635 \expandafter\@firstoftwo
4636 \else
4637 \expandafter\@secondoftwo
4638 \fi}
4639 \newcommand{\if@bidi@undef}[1]{%
4640 \ifdefined#1%
4641 \ifx#1\relax
4642 \expandafter\expandafter
4643 \expandafter\@firstoftwo
4644 \else
4645 \expandafter\expandafter
4646 \expandafter\@secondoftwo
4647 \fi
4648 \else
4649 \expandafter\@firstoftwo
4650 \fi}
4651 \newcommand{\if@bidi@blank}[1]{% from url.sty
4652 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
4653 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
4654 \newcommand{\bidi@notblank}[1]{%
4655 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
4656 \newcommand{\if@bidi@defmacro}{%
4657 \long\edef\if@bidi@defmacro#1{%
4658 \noexpand\expandafter\noexpand\bidi@ifdefmacro
4659 \noexpand\meaning#1\detokenize{macro}:&}
4660 \edef\bidi@ifdefmacro{%
4661 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
4662 \bidi@ifdefmacro{\bidi@notblank{#2}}
4663 \newcommand*{\if@bidi@csmacro}[1]{%
4664 \if@bidi@cdef{#1}
4665 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
4666 {\@secondoftwo}}
4667 \newcommand{\if@bidi@defprimitive}[1]{%
4668 \ifprimitive#1%
4669 \expandafter\@firstoftwo
4670 \else
4671 \expandafter\@secondoftwo

```



```

4672 \fi}
4673 \newcommand{\if@bidi@csprimitive}[1]{%
4674 \begingroup\expandafter\expandafter\expandafter\endgroup%
4675 \expandafter\ifprimitive\csname#1\endcsname%
4676 \expandafter\@firstoftwo
4677 \else
4678 \expandafter\@secondoftwo
4679 \fi}
4680 \newcommand*{\bidi@csdefcs}[2]{%
4681 \expandafter\ifdefinable \csname#1\endcsname{%
4682 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}%
4683 \newcommand*{\bidi@csletcs}[2]{%
4684 \expandafter\ifdefinable \csname#1\endcsname{%
4685 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}%
4686 \newcommand*{\bidi@cslet}[2]{%
4687 \expandafter\ifdefinable \csname#1\endcsname{%
4688 \expandafter\let\csname#1\endcsname#2}%
4689 \newcommand{\bidi@namelongdef}[1]{%
4690 \long\expandafter\def\csname #1\endcsname%
4691 \newcommand{\bidi@namelonggdef}[1]{%
4692 \long\expandafter\gdef\csname #1\endcsname%
4693 \newcommand{\bidi@namelongedef}[1]{%
4694 \long\expandafter\edef\csname #1\endcsname%
4695 \newcommand{\bidi@namelongxdef}[1]{%
4696 \long\expandafter\xdef\csname #1\endcsname%
4697 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}%
4698 \def\bidi@ensure@new@command#1{%
4699 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
4700 \expandafter\if@bidi@csundef\@gtempa
4701 {\new@command#1}{\relax%
4702 \let\@ifdefinable\@rc@ifdefinable%
4703 \new@command#1}}
4704 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
4705
4706 \protected\def\bidi@error{\PackageError{bidi}}
4707 \protected\def\bidi@warning{\PackageWarning{bidi}}
4708 \protected\def\bidi@info{\PackageInfo{bidi}}
4709
4710 \def\bidi@pos#1#2#3#4{\bidi@namegdef\bidi@#1pos@#2@#3}{#4}}
4711
4712 \newcount\bidi@poscount
4713
4714 \newcommand*{\WriteStartXPostoaux}{%
4715 \global\advance\bidi@poscount\@ne
4716 \edef\@tempa{%
4717 \write\@auxout{%
4718 \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
4719 }%
4720 }%
4721 \ifvmode
4722 \leavevmode
4723 \fi
4724 \if@RTL
4725 \if@files

```



```

4726 \tempa
4727 \fi
4728 \pdfsavepos
4729 \else
4730 \pdfsavepos
4731 \if@filesw
4732 \tempa
4733 \fi
4734 \fi
4735 \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
4736 \PackageWarningNoLine{biditools}{%
4737 The start x position ` \number\bidi@poscount' is not known yet.
4738 Rerun to get this x position%
4739 }%
4740 }{}%
4741 }
4742
4743 \newcommand*{\WriteEndXPostoaux}{%
4744 \edef\tempa{%
4745 \write\@auxout{%
4746 \string\bidi@pos{x}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
4747 }%
4748 }%
4749 \if@RTL
4750 \if@filesw
4751 \tempa
4752 \fi
4753 \pdfsavepos
4754 \else
4755 \pdfsavepos
4756 \if@filesw
4757 \tempa
4758 \fi
4759 \fi
4760 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
4761 \PackageWarningNoLine{biditools}{%
4762 The end x position ` \number\bidi@poscount' is not known yet.
4763 Rerun to get this x position%
4764 }%
4765 }{}%
4766 }
4767
4768 \newcommand*{\WriteStartYPostoaux}{%
4769 \global\advance\bidi@poscount\@ne
4770 \edef\tempa{%
4771 \write\@auxout{%
4772 \string\bidi@pos{y}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflasty
4773 }%
4774 }%
4775 \ifvmode
4776 \leavevmode
4777 \fi
4778 \if@RTL
4779 \if@filesw

```




```

4780 \tempa
4781 \fi
4782 \pdfsavepos
4783 \else
4784 \pdfsavepos
4785 \if@filesw
4786 \tempa
4787 \fi
4788 \fi
4789 \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
4790 \PackageWarningNoLine{biditools}{%
4791 The start y position ``\number\bidi@poscount' is not known yet.
4792 Rerun to get this y position%
4793 }%
4794 }{}%
4795 }
4796
4797 \newcommand*{\WriteEndYPostoaux}{%
4798 \edef\tempa{%
4799 \write\@auxout{%
4800 \string\bidi@pos{y}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
4801 }%
4802 }%
4803 \if@RTL
4804 \if@filesw
4805 \tempa
4806 \fi
4807 \pdfsavepos
4808 \else
4809 \pdfsavepos
4810 \if@filesw
4811 \tempa
4812 \fi
4813 \fi
4814 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
4815 \PackageWarningNoLine{biditools}{%
4816 The end y position ``\number\bidi@poscount' is not known yet.
4817 Rerun to get this y position%
4818 }%
4819 }{}%
4820 }
4821
4822 \newcommand*{\WriteStartXYPostoaux}{%
4823 \global\advance\bidi@poscount\@ne
4824 \edef\tempa{%
4825 \write\@auxout{%
4826 \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
4827 }%
4828 \write\@auxout{%
4829 \string\bidi@pos{y}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
4830 }%
4831 }%
4832 \ifvmode
4833 \leavevmode

```



```

4834 \fi
4835 \if@RTL
4836 \if@filesw
4837 \@tempa
4838 \fi
4839 \pdfsavepos
4840 \else
4841 \pdfsavepos
4842 \if@filesw
4843 \@tempa
4844 \fi
4845 \fi
4846 \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
4847 \PackageWarningNoLine{biditools}{%
4848 The start x position ` \number\bidi@poscount' is not known yet.
4849 Rerun to get this x position%
4850 }%
4851 }{}%
4852 \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
4853 \PackageWarningNoLine{biditools}{%
4854 The start y position ` \number\bidi@poscount' is not known yet.
4855 Rerun to get this y position%
4856 }%
4857 }{}%
4858 }
4859
4860 \newcommand*{\WriteEndXYPostoaux}{%
4861 \edef\@tempa{%
4862 \write\@auxout{%
4863 \string\bidi@pos{x}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
4864 }%
4865 \write\@auxout{%
4866 \string\bidi@pos{y}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflasty
4867 }%
4868 }%
4869 \if@RTL
4870 \if@filesw
4871 \@tempa
4872 \fi
4873 \pdfsavepos
4874 \else
4875 \pdfsavepos
4876 \if@filesw
4877 \@tempa
4878 \fi
4879 \fi
4880 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
4881 \PackageWarningNoLine{biditools}{%
4882 The end x position ` \number\bidi@poscount' is not known yet.
4883 Rerun to get this x position%
4884 }%
4885 }{}%
4886 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
4887 \PackageWarningNoLine{biditools}{%

```



```

4888         The end y position '\number\bidi@poscount' is not known yet.
4889         Rerun to get this y position%
4890     }%
4891 }{}%
4892 }
4893
4894 \newcommand*{\currentposxwidth}{%
4895   \if@bidi@csundef\bidi@xpos@@end@\number\bidi@poscount}{\z@}
4896   {%
4897     \ifnum\csname bidi@xpos@@start@\number\bidi@poscount
4898     \endcsname < \csname bidi@xpos@@end@\number\bidi@poscount
4899     \endcsname
4900     \dimexpr \csname bidi@xpos@@end@\number\bidi@poscount
4901     \endcsname sp - \csname bidi@xpos@@start@\number\bidi@poscount
4902     \endcsname sp\relax
4903   \else
4904     \dimexpr \csname bidi@xpos@@start@\number\bidi@poscount
4905     \endcsname sp - \csname bidi@xpos@@end@\number\bidi@poscount
4906     \endcsname sp\relax
4907   \fi
4908   }%
4909 }
4910
4911 \newcommand*{\currentposyheight}{%
4912   \if@bidi@csundef\bidi@ypos@@end@\number\bidi@poscount}{\z@}
4913   {%
4914     \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
4915     \endcsname sp - \csname bidi@ypos@@end@\number\bidi@poscount
4916     \endcsname sp\relax
4917   }%
4918 }
4919
4920
4921
4922 \newcommand*{\setbaselineskip}[1]{%
4923   \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
4924   \selectfont
4925 }
4926
4927
4928 \newcommand*{\bidi@newrobustcmd}{%
4929   \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
4930
4931   \def\bidi@new@command#1{\@testopt{\bidi@new@command#1}0}
4932
4933   \def\bidi@new@command#1[#2]{%
4934     \@ifnextchar[%
4935       {\bidi@xargdef#1[#2]}
4936       {\ifx\l@ngrel@x\relax
4937         \let\l@ngrel@x\protected
4938       \else
4939         \protected\def\l@ngrel@x{\protected\long}%
4940       \fi
4941       \@argdef#1[#2]}}

```



```

4942
4943 \long\def\bidixargdef#1[#2][#3]#4{%
4944   \ifdefinable#1{%
4945     \expandafter\protected
4946     \expandafter\def
4947     \expandafter#1%
4948     \expandafter{%
4949       \expandafter\@testopt
4950       \csname\string#1\endcsname{#3}}%
4951     \expandafter\@yargdef\csname\string#1\endcsname\tw#{#2}{#4}}}%
4952
4953 \bidinewrobustcmd*{\bidirenewrobustcmd}{\@star@or@long\bidirenew@command}
4954
4955 \def\bidirenew@command#1{%
4956   \if@bidi@undef{#1}
4957     {\biderror{\string#1 undefined}\@ehc}
4958     {}%
4959   \let\@ifdefinable\@rc@ifdefinable
4960   \bidinew@command#1}
4961
4962
4963
4964 \bidinewrobustcmd*{\bidiproviderobustcmd}{\@star@or@long\bidiprovide@command}
4965
4966 \def\bidiprovide@command#1{%
4967   \if@bidi@undef{#1}
4968     {\def\reserved@a{\bidinew@command#1}}
4969     {\def\reserved@a{\bidirenew@command\reserved@a}}%
4970   \reserved@a}
4971
4972 \newcommand*{\bidi@csuse}[1]{%
4973   \ifcsname#1\endcsname
4974     \csname#1\expandafter\endcsname
4975     \fi}
4976
4977 \newcommand{\bidi@expandonce}[1]{%
4978   \unexpanded\expandafter{#1}}
4979
4980 \def\bidi@protected{%
4981   \let\@@protect\protect
4982   \let\protect\@unexpandable@protect
4983   \afterassignment\restore@protect}
4984
4985 \bidinewrobustcmd{\bidi@appto}[2]{%
4986   \if@bidi@undef{#1}
4987     {\edef#1{\unexpanded{#2}}}
4988     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}%
4989 \bidinewrobustcmd{\bidi@eappto}[2]{%
4990   \if@bidi@undef{#1}
4991     {\edef#1{#2}}
4992     {\edef#1{\bidi@expandonce#1#2}}}%
4993 \bidinewrobustcmd{\bidi@gappto}[2]{%
4994   \if@bidi@undef{#1}
4995     {\xdef#1{\unexpanded{#2}}}%

```



```

4996     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
4997 \bidi@newrobustcmd{\bidi@xappto}[2]{%
4998   \if@bidi@undef{#1}
4999     {\xdef#1{#2}}
5000     {\xdef#1{\bidi@expandonce#1#2}}}
5001
5002 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
5003 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
5004
5005
5006
5007 \bidi@newrobustcmd{\bidi@preto}[2]{%
5008   \if@bidi@undef{#1}
5009     {\edef#1{\unexpanded{#2}}}
5010     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}
5011 \bidi@newrobustcmd{\bidi@epreto}[2]{%
5012   \if@bidi@undef{#1}
5013     {\edef#1{#2}}
5014     {\edef#1{#2\bidi@expandonce#1}}
5015 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
5016   \if@bidi@undef{#1}
5017     {\xdef#1{\unexpanded{#2}}}
5018     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}
5019 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
5020   \if@bidi@undef{#1}
5021     {\xdef#1{#2}}
5022     {\xdef#1{#2\bidi@expandonce#1}}
5023
5024 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
5025 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
5026
5027
5028
5029 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
5030 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
5031 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
5032 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
5033 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
5034 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
5035
5036
5037
5038 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
5039 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
5040 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
5041 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
5042 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
5043 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
5044
5045
5046
5047 \bidi@newrobustcmd{\if@bidi@patchable}{%
5048   \bidi@dbg@trce\if@bidi@patchable
5049   \begingroup

```



```

5050 \@makeother\#%
5051 \@ifstar\bid@ifpatchable@i\bid@ifpatchable}
5052
5053 \long\def\bid@ifpatchable#1#2{%
5054 \endgroup
5055 \bid@dbg@init#1%
5056 \if@bid@undef{#1}
5057   {\bid@dbg@fail{def}\@secondoftwo}
5058   {\bid@dbg@info{def}%
5059   \if@bid@defmacro{#1}
5060     {\bid@dbg@info{mac}%
5061     \bid@ifscanable{#1}
5062       {\bid@ifhashcheck{#2}
5063         {\bid@dbg@info{tok}%
5064         \bid@ifpattern#1{#2}
5065           {\bid@dbg@info{pat}%
5066           \bid@dbg@info{pos}\@firstoftwo}
5067           {\bid@dbg@fail{pat}\@secondoftwo}}
5068           {\bid@dbg@fail{hsh}\@secondoftwo}}
5069           {\bid@dbg@fail{tok}\@secondoftwo}}
5070           {\bid@dbg@fail{mac}\@secondoftwo}}}
5071
5072 \long\def\bid@ifpatchable@i#1{%
5073 \endgroup
5074 \bid@dbg@init#1%
5075 \if@bid@undef{#1}
5076   {\bid@dbg@fail{def}\@secondoftwo}
5077   {\bid@dbg@info{def}%
5078   \if@bid@defmacro{#1}
5079     {\bid@dbg@info{mac}%
5080     \if@bid@defparam{#1}
5081       {\bid@dbg@info{prm}%
5082       \bid@ifscanable{#1}
5083         {\bid@dbg@info{tok}%
5084         \bid@dbg@info{pos}\@firstoftwo}
5085         {\bid@dbg@fail{tok}\@secondoftwo}}
5086         {\bid@dbg@info{prl}%
5087         \if@bid@defprotected{#1}
5088           {\bid@dbg@info{pro}}
5089           {}%
5090         \bid@dbg@info{pos}\@firstoftwo}}
5091         {\bid@dbg@fail{mac}\@secondoftwo}}}
5092
5093 \bid@newrobustcmd*{\bid@patchcmd}{%
5094 \bid@dbg@trce\bid@patchcmd
5095 \begingroup
5096 \@makeother\#%
5097 \bid@@@patchcmd}
5098
5099 \newcommand{\bid@patchcmd}[4][#####1]{%
5100 \bid@ifpatchable#2{#3}
5101   {\bid@dbg@succ{ret}%
5102   \begingroup
5103   \edef\bid@resrvda{%

```



```

5104     \def\noexpand\bidiresrvda####1\detokenize{macro:}####2->####3&{%
5105         #1\def\string\bidiresrvda\space####2{\noexpand\bidiresrvdb####3&}}%
5106     \def\noexpand\bidiresrvdb####1\detokenize{#3}####2&{%
5107         ####1\detokenize{#4}####2}%
5108     \edef\noexpand\bidiresrvda{%
5109         \noexpand\bidiresrvda\meaning#2&}}%
5110     \bidiresrvda
5111     \bidipatchcmd@scantoks\bidiresrvda
5112     \let#2\bidiresrvda
5113     \bidiundef\bidiresrvda
5114     \@firstoftwo}
5115     {\@secondoftwo}}
5116
5117 \def\bidipatchcmd@scantoks#1{%
5118     \edef\bidiresrvda{\endgroup
5119         \unexpanded{\makeatletter\scantokens}{#1}%
5120         \catcode\number`\@=\the\catcode`\@ \relax}%
5121     \bidiresrvda}
5122
5123 \newcommand\bidisloaded[2][{}]{
5124     \expandafter\ifx\csname if@bidic#2loaded\endcsname\relax
5125         \expandafter\newif\csname if@bidic#2loaded\endcsname
5126         \fi
5127     \@ifpackageloaded{#2}
5128         {\csname @bidic#2loaded@true\endcsname #1}
5129         {\csname @bidic#2loaded@false\endcsname}}
5130
5131 \protected\def\bidifscanable#1{%
5132     \begingroup
5133     \edef\bidiresrvda{%
5134         \def\noexpand\bidiresrvda####1\detokenize{macro:}####2->####3&{%
5135             ####1\def\string\bidiresrvda####2{####3&}}%
5136         \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
5137     \bidiresrvda
5138     \makeatletter
5139     \scantokens\expandafter{\bidiresrvda}%
5140     \expandafter\endgroup\ifx#1\bidiresrvda
5141         \expandafter\@firstoftwo
5142     \else
5143         \expandafter\@secondoftwo
5144     \fi}
5145
5146
5147 \protected\long\def\bidifhashcheck#1{%
5148     \begingroup
5149     \edef\bidiresrvda{\detokenize{#1}}%
5150     \expandafter\endgroup
5151     \expandafter\bidifhashcheck@i\meaning\bidiresrvda&}
5152
5153 \edef\bidifhashcheck@i#1{%
5154     \noexpand\expandafter
5155     \noexpand\bidifhashcheck@ii
5156     \noexpand\strip@prefix#1\string#\string#&}
5157

```



```

5158 \edef\bid@ifhashcheck@ii{%
5159   \def\noexpand\bid@ifhashcheck@ii##1\string#\string###2&{
5160 \bid@ifhashcheck@ii{\if@bid@blank{#2}}
5161
5162
5163 \protected\long\def\bid@ifpattern#1#2{%
5164   \begingroup
5165   \edef\bid@resrvda{%
5166     \def\noexpand\bid@resrvda####1\detokenize{#2}####2&{%
5167       \endgroup\noexpand\noexpand\noexpand\if@bid@blank{####2}}}%
5168   \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda
5169     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
5170   \noexpand\bid@resrvda}
5171   \bid@resrvda\@secondoftwo\@firstoftwo}
5172
5173
5174 \newcommand{\if@bid@defparam}{%
5175 \long\edef\if@bid@defparam#1{%
5176   \noexpand\expandafter\noexpand\bid@ifdefparam
5177   \noexpand\meaning#1\detokenize{macro}:->&}
5178 \edef\bid@ifdefparam{%
5179   \def\noexpand\bid@ifdefparam##1\detokenize{macro}:##2->##3&}
5180 \bid@ifdefparam{\bid@notblank{#2}}
5181
5182
5183 \newcommand{\if@bid@defprotected}{%
5184 \long\edef\if@bid@defprotected#1{%
5185   \noexpand\expandafter\noexpand\bid@ifdefprotected
5186   \noexpand\meaning#1\string\protected&}
5187 \edef\bid@ifdefprotected{%
5188   \def\noexpand\bid@ifdefprotected##1\string\protected##2&}
5189 \bid@ifdefprotected{\bid@notblank{#2}}
5190
5191
5192 \bid@newrobustcmd{\bid@undef}[1]{\let#1\bid@undefined}
5193 \bid@newrobustcmd{\bid@csundef}[1]{%
5194   \expandafter\let\csname #1\endcsname\bid@undefined
5195 }
5196
5197 \let\bid@dbg@trce\@gobble
5198 \let\bid@dbg@init\@gobble
5199 \let\bid@dbg@info\@gobble
5200 \let\bid@dbg@succ\@gobble
5201 \let\bid@dbg@fail\@gobble
5202
5203
5204
5205 \bid@newrobustcmd*{\bid@apptocmd}{%
5206   \bid@dbg@trce\bid@apptocmd
5207   \begingroup
5208   \@makeother\#%
5209   \bid@hooktocmd\bid@append}
5210
5211

```




```

5212
5213 \bidi@newrobustcmd*{\bidi@pretocmd}{%
5214   \bidi@dbg@trce\bidi@pretocmd
5215   \begingroup
5216   \@makeother\#%
5217   \bidi@hooktocmd\bidi@prepend}
5218
5219 \long\def\bidi@hooktocmd#1#2#3{%
5220   \endgroup
5221   \bidi@dbg@init#2%
5222   \if\bidi@undef{#2}
5223     {\bidi@dbg@fail{def}\@secondoftwo}
5224     {\bidi@dbg@info{def}%
5225       \if\bidi@defmacro{#2}
5226         {\bidi@dbg@info{mac}%
5227           \if\bidi@defparam{#2}
5228             {\bidi@dbg@info{prm}%
5229               \bidi@ifscanable{#2}
5230                 {\bidi@ifhashcheck{#3}
5231                   {\bidi@dbg@info{tok}%
5232                     \bidi@dbg@succ{ret}%
5233                     \bidi@hooktocmd@i#1#2{#3}%
5234                     \@firstoftwo}
5235                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
5236                 {\bidi@dbg@fail{tok}\@secondoftwo}}
5237             {\bidi@dbg@info{prl}%
5238               \if\bidi@defprotected{#2}
5239                 {\bidi@dbg@info{pro}%
5240                   \bidi@dbg@succ{red}%
5241                   \protected}
5242                 {\bidi@dbg@succ{red}}}%
5243             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
5244             \@firstoftwo}}
5245     {\bidi@dbg@fail{mac}\@secondoftwo}}
5246
5247 \long\def\bidi@hooktocmd@i#1#2#3{%
5248   \begingroup
5249   \edef\bidi@resrvda{%
5250     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
5251       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
5252     \edef\noexpand\bidi@resrvda{%
5253       \noexpand\bidi@resrvda\meaning#2&}}%
5254   \bidi@resrvda
5255   \bidi@patchcmd@scantoks\bidi@resrvda
5256   \let#2\bidi@resrvda
5257   \bidi@undef\bidi@resrvda}
5258
5259 \long\def\bidi@append#1#2{#1#2}
5260 \long\def\bidi@prepend#1#2{#2#1}
5261
5262 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
5263 %\newcommand*{\bidi@endpreamblehook}{%
5264
5265 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%

```



```

5266
5267 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipout
5268 \newcommand*{\bidi@beforeoutputpageshipouthook}{\bidi@beforeoutputpageshipouthook}}
5269
5270 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
5271 \newcommand*{\bidi@beforeheaderhook}{\bidi@beforeheaderhook}}
5272
5273 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutput
5274 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{\bidi@beforeoutputboxoutputpagehook}}
5275
5276 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutput
5277 \newcommand*{\bidi@afteroutputboxoutputpagehook}{\bidi@afteroutputboxoutputpagehook}}
5278
5279 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
5280 \newcommand*{\bidi@beforefooterhook}{\bidi@beforefooterhook}}
5281
5282 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
5283 \newcommand*{\bidi@afterfooterhook}{\bidi@afterfooterhook}}
5284
5285
5286 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipout
5287 \newcommand*{\bidi@afteroutputpageshipouthook}{\bidi@afteroutputpageshipouthook}}
5288
5289 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
5290 \newcommand*{\bidi@atendoutputpagehook}{\bidi@atendoutputpagehook}}
5291
5292 %\bidi@preto\document{%
5293 % \endgroup
5294 % \let\bidi@AtEndPreamble\@firstofone
5295 % \bidi@endpreamblehook
5296 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
5297 % \bidi@undef\bidi@endpreamblehook
5298 % \beginingroup}
5299
5300 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
5301 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
5302
5303 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
5304 %\newcommand*{\bidi@afterendpreamblehook}{\bidi@afterendpreamblehook}}
5305
5306 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}}%
5307
5308 %\bidi@appto\document{%
5309 % \let\bidi@AfterEndPreamble\@firstofone
5310 % \bidi@afterendpreamblehook
5311 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
5312 % \bidi@undef\bidi@afterendpreamblehook
5313 % \ignorespaces}
5314
5315 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocument
5316 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{\bidi@afterenddocumentchecklabelsrerunhook}}
5317
5318 \bidi@patchcmd\enddocument
5319 {\fi}

```



```

5320 {\let\bid@AfterEndDocumentCheckLabelsRerun\@firstofone
5321 \bid@afterenddocumentchecklabelsrerunhook
5322 \fi}
5323 {}
5324 {\PackageWarning{biditools}{Patching '\string\enddocument' failed}}
5325
5326 \AtEndDocument{\let\bid@AfterEndPreamble\@gobble}
5327
5328 \bid@newrobustcmd*{\bid@AfterLastShipout}{\bid@gappto\bid@afterlastshipouthook}
5329 \newcommand*{\bid@afterlastshipouthook}{}
5330
5331 \bid@patchcmd\enddocument
5332 {\clearpage}
5333 {\clearpage
5334 \let\bid@AfterLastShipout\@firstofone
5335 \bid@afterlastshipouthook}
5336 {}
5337 {\let\bid@clearpage\clearpage
5338 \def\clearpage{%
5339 \bid@clearpage
5340 \let\bid@AfterLastShipout\@firstofone
5341 \bid@afterlastshipouthook}}
5342
5343 %\bid@newrobustcmd*{\bid@AfterEndDocument}{\bid@gappto\bid@afterenddocumenthook}
5344 %\newcommand*{\bid@afterenddocumenthook}{}
5345
5346 \bid@newrobustcmd*{\bid@AfterEndDocument}{\AddToHook{enddocument/end}}%
5347
5348 %\bid@patchcmd\enddocument
5349 % {\deadcycles}
5350 % {\let\bid@AfterEndDocument\@firstofone
5351 % \bid@afterenddocumenthook
5352 % \deadcycles}
5353 % {}
5354 % {\let\bid@@end\@end
5355 % \def\@end{%
5356 % \let\bid@AfterEndDocument\@firstofone
5357 % \bid@afterenddocumenthook
5358 % \bid@@end}}
5359
5360 \bid@newrobustcmd{\bid@AtBeginEnvironment}[1]{%
5361 \bid@csgappto{\bid@begin@#1@hook}}
5362
5363 % Patch \begin<space> and \end<space> in newer LaTeX releases
5364 % \begin and \end in older ones.
5365 \expandafter\bid@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
5366 {\csname #1\endcsname}
5367 {\bid@csuse{\bid@begin@#1@hook}%
5368 \csname #1\endcsname}
5369 {}
5370 {\bid@warning{%
5371 Patching '\string\begin' failed!\MessageBreak
5372 '\string\bid@AtBeginEnvironment' will not work\@gobble}}
5373

```



```

5374
5375
5376 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
5377   \bidi@csgappto{@bidi@end@#1@hook}}
5378
5379 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
5380   {\csname end#1\endcsname}
5381   {\bidi@csuse{@bidi@end@#1@hook}%
5382     \csname end#1\endcsname}
5383   {}
5384   {\bidi@warning{%
5385     Patching '\string\end' failed!\MessageBreak
5386     '\string\bidi@AtEndEnvironment' will not work\@gobble}}
5387
5388
5389
5390 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
5391   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
5392
5393 \expandafter\bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
5394   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
5395   {}
5396   {\bidi@warning{%
5397     Patching '\string\begin' failed!\MessageBreak
5398     '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
5399
5400 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
5401   \bidi@csgappto{@bidi@afterend@#1@hook}}
5402
5403 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
5404   {\if@ignore}
5405   {\bidi@csuse{@bidi@afterend@#1@hook}%
5406     \if@ignore}
5407   {}
5408   {\bidi@warning{%
5409     Patching '\string\end' failed!\MessageBreak
5410     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
5411
5412 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
5413 \def\bidi@namegdef#1{\expandafter\gdef\csname #1\endcsname}
5414 \def\bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
5415 \def\bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
5416
5417 % From David Carlisle:
5418 % The \@stpelt redefinition below belongs to Heiko Oberdiek
5419 % See also https://github.com/ho-tex/oberdiek/issues/26
5420
5421 \let\bidi@stepcounter\stepcounter
5422 \let\bidi@stpelt\@stpelt
5423
5424 \def\@stpelt#1{%
5425   \ifcsname bidi@reset@#1@perpage\endcsname
5426     \begingroup
5427     \let\stepcounter\bidi@stepcounter

```



```

5428     \@bidi@@stpelt{#1}%
5429     \endgroup
5430     \expandafter\@gobbletwo
5431     \fi
5432     \@bidi@@stpelt{#1}%
5433 }
5434
5435 \bidi@pretocmd\stepcounter
5436 {%
5437     \if@bidi@csundef\bidi@stepcounterhook@@#1\}{%
5438         \csname bidi@stepcounterhook@@#1\endcsname
5439     }%
5440 }{}%
5441 {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
5442
5443 \chardef\bidi@backslash`\\
5444 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
5445
5446 % anonymous control sequences
5447 \newcount\bidi@tempcountb
5448 \newtoks\bidi@temptoksa
5449 \newtoks\bidi@temptoksb
5450
5451 % Catcode (re)storing
5452 %
5453 \def\bidi@storecatcode#1%
5454     {\escapechar\m@ne
5455     \bidi@csarg\edef\bidi@restorecatcode\string#1}%
5456     {\catcode`\string#1=
5457         \the\catcode\expandafter`\string#1}%
5458     \catcode\expandafter`\string#1=12\relax
5459     \escapechar`\\ \relax}
5460 \def\bidi@restorecatcode#1%
5461     {\escapechar\m@ne
5462     \csname bidi@restorecatcode\string#1\endcsname
5463     \escapechar`\\ \relax}
5464
5465 % Construct a control sequence inside \edef
5466 %
5467 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
5468
5469 % Construct a control sequence out of #2, and give it to #1
5470 %
5471 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
5472
5473 % Pick an escapecharacter
5474 % this presumes that its argument is a character.
5475 %
5476 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
5477
5478 % Equality of strings.
5479 % the fast approach: does not work in expansion-only environment.
5480 %
5481 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%

```



```

5482 \ifx\bidieqs@a\bidieqs@b}
5483
5484 % Test by expansion only
5485 %
5486 \def\bidiequalstringX#1#2{00\fi
5487 \csname if\@bidiequalstringX#1&#2&$\endcsname}
5488 \def\@bidiequalstringX#1#2$#3#4${\ifx#1#3%
5489 \ifx#1&true\else\bidiehop@ES\@bidiequalstringX#2$#4$\fi
5490 \else false\fi}
5491 \def\bidiehop@ES#1\fi#2\fi{\fi\fi#1}
5492
5493 % Lexicographic ordering
5494 % note the use of \def
5495 % also note the characters 0,127,255 that are used,
5496 % these are not supposed to appear in the strings
5497 %
5498 {\catcode0=12 \catcode255=12 \catcode127=12
5499 \gdef\bidistringbeforeNC#1#2{00\fi
5500 \bidiecharsbefore#1^^@^^?#2^^ff^^?}
5501 \gdef\bidiecharsbeforeNC#1#2^^?#3#4^^?{%
5502 \ifcat#1\relax\def\bidie@next{\bidiecharsbefore#2^^@^^?#3#4^^ff^^?}%
5503 \else\ifcat#3\relax\def\bidie@next{\bidiecharsbefore#1#2^^@^^?#4^^ff^^?}%
5504 \else\ifnum\lccode`#1<\lccode`#3
5505 \def\bidie@next{\csname iftrue\endcsname}%
5506 \else\ifnum\lccode`#1>\lccode`#3
5507 \def\bidie@next{\csname iffalse\endcsname}%
5508 \else\def\bidie@next{\bidiecharsbefore#2^^?#4^^?}%
5509 \fi \fi \fi \fi
5510 \bidie@next}
5511 \gdef\bidistringbefore#1#2{00\fi
5512 \bidiecharsbefore#1^^@^^?#2^^ff^^?}
5513 \gdef\bidiecharsbefore#1#2^^?#3#4^^?{%
5514 \ifnum`#1<`#3
5515 \def\bidie@next{\csname iftrue\endcsname}%
5516 \else\ifnum`#1>`#3
5517 \def\bidie@next{\csname iffalse\endcsname}%
5518 \else\def\bidie@next{\bidiecharsbefore#2^^?#4^^?}%
5519 \fi\fi
5520 \bidie@next}
5521 }
5522
5523 % Null argument test
5524 %
5525 \def\bidie@empty{}
5526 \def\bidie@ifempty#1{00\fi\expandafter\ifx\csname bidi@#1@null\endcsname\bidie@null}
5527 \def\bidie@ifemptyX#1{\expandafter\ifx\csname bidi@#1@null\endcsname\bidie@null}
5528 %\def\bidie@ifempty#1{\def\bidie@cs@a{#1}\ifx\bidie@cs@a\bidie@empty}
5529 \def\bidie@isemptylist#1{00\fi\def\bidie@cs@a{#1}\ifx\cs@a\bidie@empty}
5530
5531 % Next character test
5532 %
5533 \def\bidie@nextchar#1#2#3{00\fi
5534 \let\bidie@nxt@ch#1\def\bidie@nxt@a{#2}\def\bidie@nxt@b{#3}%
5535 \futurelet\bidie@nxt@c\@bidie@ifnxtc}

```



```

5536 \def\bid@ifNextChar#1#2#3{%
5537     \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
5538     \futurelet\bid@nxt@c\@bid@ifnxtc}
5539 \def\@bid@ifnxtc{\ifx\bid@nxt@ch\bid@nxt@c \expandafter\bid@nxt@a
5540     \else \expandafter\bid@nxt@b \fi}
5541
5542 % Test for defined-ness of string as control sequence.
5543 % works inside \edef
5544 %
5545 \def\bid@undefinedcs#1{00\fi\bid@csarg\ifx{#1}\relax}
5546
5547 % Define uniquely defined dummy macros,
5548 % usually to serve as bumper blocks at the end of a list
5549 %
5550 \newcount\bid@dummies
5551 \def\DefNewDummy#1{
5552     \if\bid@undefinedcs{#1}\bid@csarg\edef{#1}{\bid@dum\the\bid@dummies}
5553     \advance\bid@dummies\@ne
5554     \else
5555         \bid@error{Attempt at second definition of `#1'}
5556     \fi}
5557
5558 % string case statement
5559 % use: \bid@switch \iftest{...} in:
5560 %     item1 action1
5561 %     ...
5562 %     itemn actionn
5563 %     default defaultaction [optional]
5564 %     \endbid@switch
5565 % inspired by Jonathan Fine: Some Basic Control Macros
5566 % Tugboat 12 #4
5567 %
5568 \let\@bid@fi\fi \let\endbid@switch\relax \DefNewDummy{\bid@default}
5569 \def\bid@switch@exit #1 \@bid@fi #2 \endbid@switch {\fi #1}
5570 \def\bid@switch #1#2#3{\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
5571     #1{#2}\bid@switch@exit #3 \@bid@fi
5572     \bid@switch {#1}
5573 }
5574 % this version puts the test object in {}
5575 \def\bid@oswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
5576     #1{#2}\bid@switch@exit #3 \@bid@fi
5577     \bid@switch #1 in:
5578 }
5579 % this version assumes that the test object is just one character
5580 \def\bid@cswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
5581     #1#2\bid@switch@exit #3 \@bid@fi
5582     \bid@cswitch #1 in:
5583 }
5584 % this version assumes that the test object can have an optional space
5585 \def\bid@bswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
5586     #1#2 \bid@switch@exit #3 \@bid@fi
5587     \bid@bswitch #1 in:
5588 }
5589 % this version can cope with significant spaces at the start of #3;

```



```

5590 % #2 is macro argument
5591 \def\bidimswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \bidi@
5592 #1{#2}\bidi@switch@exit #3 \bidi@fi
5593 \bidimswitch #1 in:
5594 }
5595 % idem; #2 does not have to be enclosed in braces
5596 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \bidi@
5597 #1#2 \bidi@switch@exit #3 \bidi@fi
5598 \bidi@fswitch #1 in:
5599 }
5600
5601 % Routines for taking the value of a string:
5602 % if the string is defined as control sequence
5603 % take the value of that, otherwise take the string itself
5604
5605 % String or value of control sequence
5606 %
5607 \def\bidid@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
5608
5609 % String or control sequence
5610 %
5611 \def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
5612
5613 % String or \noexpand-ed control sequence;
5614 % for use in \edef
5615 %
5616 \newif\ifbidi@in@label
5617 \def\@bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
5618 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
5619 \newtoks\bidi@are@these@correct
5620 \def\bidi@t@w@w#1{%
5621 \if\bidi@undefinedcs{#1}#1%
5622 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 } \fi
5623 \else
5624 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
5625
5626 % List Manipulation .....
5627 % this assumes that #1 is a list of tokens, #2 is the name of a list
5628 %
5629 % Names of lists (and of items to pop into) are given as strings;
5630 % not as control sequences.
5631 %
5632 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
5633 % basic append/prepend macro
5634 \long\def\@bidi@append@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
5635 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@listb}
5636 \long\def\@bidi@prepend@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
5637 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@listb}
5638 \def\@bidi@append@to@list{\bidi@csarg\@bidi@append@to@cslist}
5639 \def\@bidi@prepend@to@list{\bidi@csarg\@bidi@prepend@to@cslist}
5640 % variations:
5641 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
5642 \long\def\bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#2}}
5643 \def\bidi@append@list@to@list#1#2{%

```




```

5644 \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}
5645 \def\bidi@prepend@list@to@list#1#2{%
5646   \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2}
5647 \def\bidi@append@csl@to@csl#1#2{%
5648   \@bidi@append@to@csl{#1}\expandafter{\the#2}}
5649 \def\bidi@prepend@csl@to@csl#1#2{%
5650   \@bidi@prepend@to@csl{#1}\expandafter{\the#2}}
5651 \def\bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
5652 \def\bidi@prepend@toks@cs@to@list#1#2{\@bidi@prepend@to@list{#1}\expandafter{\the#2}}
5653
5654 \let\bidi@willbeunhskip\unhskip
5655
5656 % A few list macros for the user
5657 \def\NewTokenList:#1 {\@bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
5658 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
5659 \long\def\AppendToTokenList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
5660 \long\def\PrependToTokenList:#1=#2 {\@bidi@prepend@to@list{#1}{#2}}
5661 \def\TheTokenList:#1 {\let\bidi@oldwbuskip\bidi@willbeunhskip \let\bidi@willbeunhskip\@empty
5662   \if\bidi@undefinedcs{#1}\bidi@error{Token List <#1> undefined}
5663   \else\bidi@csarg\the{#1}\fi
5664   \let\bidi@willbeunhskip\bidi@oldwbuskip}
5665
5666 \def\bidi@del@tok@from@list#1#2{\begingroup
5667   \long\def\bidi@cs@liste##1#2##2\bidi@tok@SM
5668     {\bidi@toks@lista{##1}\bidi@toks@listb{##2}%
5669     \edef\bidi@cs@listb{\global\bidi@csname{#1}=
5670       {\the\bidi@toks@lista\the\bidi@toks@listb}}%
5671     \bidi@cs@listb}%
5672   \edef\bidi@cs@lista{\noexpand\bidi@cs@liste}\expandafter\the\csname#1\endcsname\noexpand
5673   \bidi@cs@lista \endgroup}
5674 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
5675   \bidi@in@front@of@csl@list\bidi@cs@lista}
5676 \long\def\bidi@in@front@of@csl@list#1#2{\begingroup\bidi@toks@lista={#2}%
5677   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@list
5678   \endgroup}
5679 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
5680   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
5681   {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
5682   \expandafter\the\csname#1\endcsname}%
5683   }
5684 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
5685   \bidi@set@csl@list\bidi@cs@lista}
5686 \long\def\bidi@set@csl@list#1#2{\begingroup\bidi@toks@lista={#2}%
5687   \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
5688
5689 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% Stack macros
5690 %
5691 % push in terms of prepending of lists
5692 \def\bidi@push@cs@onto@cs#1#2{\@bidi@prepend@to@csl#1\expandafter{\expandafter\expandafter
5693 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@cs{#1}}
5694 \def\bidi@push@onto@cs#1#2{\@bidi@prepend@to@csl#1}{\{#2}}
5695 \def\bidi@local@push@onto#1#2{\let\=\relax
5696   \bidi@local@in@front@of@list{#1}{\{#2}}
5697 % pop via auxiliary macro: #1 is result, #2 is stack

```



```

5698 % two cs arguments
5699 \def\bidipop@cs@into#1#2{\edef\bidics@e
5700   {\noexpand\@bidipopinto\noexpand#1\noexpand#2\the#2\noexpand\@bidipop}\bidics@e}
5701 % two string arguments
5702 \def\bidipop@into#1#2{\edef\bidics@e
5703   {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@bidipop}
5704 \long\def\@bidipopinto#1#2\#3#4\@bidipop{#1{#3}#2{#4}}
5705 \def\bidicopy@stacktop#1#2{%
5706   \edef\bidics@e{\noexpand\@bidicopy@stacktop
5707     {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
5708   \bidics@e}
5709 \def\@bidicopy@stacktop#1\#2#3\@bidipop{\csname#1\endcsname#2\relax}
5710 \newcount\bidistack@length \newtoks\bidie@empty@stack \bidie@empty@stack{\{\}}
5711 \def\bidilength@of@stack#1{\bidicsarg\bidilength@of@csstack{#1}}
5712 \def\bidilength@of@csstack#1{\def\##1{\advance\bidistack@length\@ne}%
5713   \bidistack@length\@ne \the#1}
5714 % turn a stack upside down
5715 \def\bidinvert@csstack#1{\bidilength@of@csstack{#1}%
5716   \biditempcountb\z@ \biditemptoksa\bidie@empty@stack
5717   \loop\ifnum\biditempcountb<\bidistack@length
5718     \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length\@ne
5719     \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
5720 %   \bidic@append@csl@to@csl\biditemptoksb\biditemptoksa% append a to b
5721 %   \biditemptoksa\biditemptoksb
5722   \repeat% copy b to a
5723   #1\biditemptoksa \biditemptoksa\bidie@empty@toks}
5724 % invert a stack into a list
5725 \def\bidix@stack@to@list#1{\bidilength@of@stack{#1}%
5726   \biditempcountb\z@ \biditemptoksa\bidie@empty@toks
5727   \loop\ifnum\biditempcountb<\bidistack@length
5728     \bidipop@into{\biditemptoksb}{#1}\advance\bidistack@length\@ne
5729     \bidic@append@list@to@list{\biditemptoksb}{\biditemptoksa}\repeat
5730   \csname#1\endcsname\biditemptoksa \biditemptoksa\bidie@empty@toks}
5731
5732
5733 % General loop macro:
5734 % \looprepeat
5735 %   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
5736 %   \untilcondition{<cond>} \whilecondition{<cond>}
5737 %   \doloopbody { <loop body> }
5738 % where all control sequences in between \looprepeat and \doloopbody are optional.
5739 %
5740 % var: characters to form a control sequence;
5741 %   after \forvariable{index} you can access the loop counter as \index.
5742 %   This is a count register; to print it use \number\index.
5743 % start,step,end: integers with obvious relations to the loop counter;
5744 %   start and step have a default value of 1
5745 % cond: (sequence of commands ending in) any TeX \if... test.
5746 %
5747 % Count down instead of up with \downtovalue; the increment given in \bystep
5748 % is always positive, and is added or subtracted accordingly.
5749 %
5750 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
5751 % at the beginning of the loop body.

```



```

5752 %
5753 % Exit from middle of loop: \breaklooprepeat
5754 % use this at any place in the loop; in case of a conditional use
5755 %   \ifsomething ... \expandafter \breaklooprepeat \fi
5756 %
5757 % Note that the line ends do not cause spaces in the output.
5758 %
5759 % Technical details:
5760 % The loop body is not executed in a group: the braces are those
5761 % of a token list.
5762 % The 'forvariable' variable is \let to a \count register.
5763
5764
5765
5766 % Auxiliary stuff
5767 \def\bidilooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
5768 \def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
5769 \def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@depth\endcsname}
5770
5771 \newcount\bidilooprepeat@depth
5772 \let\endlooprepeat\relax \def\bidicspprotect{}
5773 % Trace switches may later be defined by PAC_utils
5774 \let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
5775
5776 % Main repeatloop macro
5777 % - go to next level and allocate unique counter/toks if this is the
5778 %   first time we visit this level
5779 % - setup: gather bounds and termination conditions
5780 % - scoop up body in token list; after the assignment define and
5781 %   execute body
5782 \def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
5783   \advance\bidilooprepeat@depth\@ne\relax
5784   \bidilooprepeat@csargromannumeral\ifx\bidilooprepeat@count\relax
5785     \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidilooprepeat@count}%
5786     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@count}%
5787     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@count}%
5788     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@count}%
5789   \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{}\def\bidilooprepeat@comp{>}\bidilooprepeat@comp
5790   \edef\bidilooprepeat@tmp
5791     {\def\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}\bidilooprepeat@tmp}
5792   \afterassignment\bidilooprepeat@dxbody\bidilooprepeat@csromannumeral{\bidilooprepeat@tmp}
5793
5794 % Define and execute loop body
5795 % This is done with an \edef to construct the actual sequence
5796 \def\bidilooprepeat@dxbody{\bidilooprepeat@csargromannumeral\edef{\bidilooprepeat@body}{%
5797   \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}%
5798   \noexpand\the\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@toks}%
5799   \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@utest}%
5800   \global\bidilooprepeat@csargromannumeral\advance{\bidilooprepeat@count} by \bidilooprepeat@count}%
5801   \noexpand\endlooprepeat
5802   \bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}}%
5803   \bidilooprepeat@csromannumeral{\bidilooprepeat@body}\ignorespaces}
5804
5805 % Stop test

```



```

5806%% In order to stop, issue a
5807% \breaklooprepeat which scoops up the rest of the body and exits
5808\def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral{bidi@
5809 \advance\bidi@looprepeat@depth\m@ne \bidi@looprepeat@traceexit
5810 }
5811
5812
5813% Setup
5814% gather bounds and termination conditions
5815\def\bidi@looprepeat@setup#1{%
5816 \begingroup
5817 \def\forvariable##1{%
5818 \edef\bidi@looprepeat@tmp{%
5819 \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral{bidi@
5820 \bidi@looprepeat@tmp}%
5821 \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global{bidi@looprepeat@count}##1\ig
5822 \def\tovalue##1{%
5823 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{bidi@loop
5824 {bidi@looprepeat@csargromannumeral\the{bidi@looprepeat@wtest}}%
5825 \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand{bidi@looprepeat@count}\bi
5826 \noexpand\expandafter \noexpand\breaklooprepeat
5827 \noexpand\fi}\ignorespaces}%
5828 \bidi@looprepeat@tmp}%
5829 \def\downtovalue##1{%
5830 \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
5831 \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}
5832 \bidi@looprepeat@csargromannumeral\gdef{bidi@looprepeat@inc}{-##1}\else
5833 \bidi@looprepeat@csargromannumeral\gdef{bidi@looprepeat@inc}{##1}\fi\ignoresp
5834 \def\untilcondition##1{%
5835 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{bidi@loop
5836 {\noexpand##1\relax
5837 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
5838 \bidi@looprepeat@tmp}%
5839 \def\whilecondition##1{%
5840 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand{bidi@loop
5841 {\noexpand##1\relax \noexpand\else
5842 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
5843 \bidi@looprepeat@tmp}%
5844 \fromvalue{\@ne}\bystep{\@ne}#1%
5845 \endgroup}
5846\def\bidi@looprepeat@zero
5847 {\bidi@looprepeat@csromannumeral{bidi@looprepeat@toks}{}}\bidi@looprepeat@csromannumeral{b
5848 \bidi@looprepeat@csargromannumeral\def{bidi@looprepeat@body}{}}
5849
5850%\tracingmacros2
5851%\newcount\tmpcount % used in some examples below
5852
5853%\looprepeat \forvariable{i}
5854% \bystep{2}
5855% \doloopbody {%
5856% \ifnum\i=13 \expandafter\breaklooprepeat \fi
5857% \number\i} %
5858%%}
5859

```



```

5860%\looprepeat \forvariable{iii}
5861%      \tovalue{8}
5862%      \doloopbody {}
5863%After loop: \number\iii%
5864
5865%\looprepeat \forvariable{i}
5866%      \fromvalue{10}
5867%      \bystep{2}
5868%      \downtovalue{0}
5869%      \doloopbody {\number\i} }
5870
5871%\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
5872%      \doloopbody {\number x} }
5873
5874%\looprepeat \tovalue{3} \doloopbody {Hello world! }
5875
5876%\looprepeat \forvariable{j}
5877%      \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
5878%      \doloopbody {\number\j} }
5879
5880%\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
5881% {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
5882% \doloopbody {(\number\i.\number\j) }
5883% }
5884
5885% infinite loop
5886%\looprepeat \doloopbody {}
5887
5888\renewcommand{\InputIfFileExists}[2]{%
5889 \begin{group}\expandafter\expandafter\expandafter\endgroup
5890 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
5891   \expandafter\@secondoftwo
5892 \else
5893   \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
5894   \expandafter\@firstoftwo
5895 \fi
5896 {%
5897   \expandafter\InputIfFileExists\expandafter{\csname
5898     #1-@bidi@alias\endcsname}{#2}%
5899 }%
5900 {\IfFileExists{#1}{%
5901   \bidi@load@hook{before}{#1}%
5902   #2\@addtofilelist{#1}%
5903   \@input \@file@und
5904   \bidi@load@hook{after}{#1}%
5905 }}%
5906 }
5907
5908\newcommand*{\bidi@loadwithoptions}{%
5909\newcommand*{\bidi@loadwithoptions}{%
5910\let\bidi@loadwithoptions\@loadwithoptions
5911
5912\renewcommand*{\@loadwithoptions}[3]{%
5913 \begin{group}\expandafter\expandafter\expandafter\endgroup

```



```

5914 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
5915 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
5916 \else
5917 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
5918 \def\bidi@loadwithoptions{%
5919 \loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
5920 }%
5921 \fi
5922 \bidi@loadwithoptions
5923 }
5924
5925 \newcommand*{\bidi@onefilewithoptions}{%
5926 \let\bidi@onefilewithoptions\@onefilewithoptions
5927 \def\@onefilewithoptions#1[#2][#3]#4{%
5928 \begingroup\expandafter\expandafter\expandafter\endgroup
5929 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
5930 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
5931 \else
5932 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
5933 \edef\bidi@onefilewithoptions{%
5934 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
5935 \fi
5936 \bidi@onefilewithoptions[#2][#3]{#4}%
5937 \bidi@load@hook{lateafter}{#1.#4}%
5938 }
5939
5940 \newcommand*{\bidi@ReplaceInput}[2]{%
5941 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
5942 }
5943
5944 \newcommand*{\bidi@UnReplaceInput}[1]{%
5945 \ifcsname #1-@bidi@alias\endcsname
5946 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
5947 \fi
5948 }
5949
5950 \newcommand*{\@bidi@replacefilewithext}[3]{%
5951 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
5952 }
5953 \newcommand*{\bidi@ReplacePackage}[2]{%
5954 \@bidi@replacefilewithext{#1}{#2}\@pkgextension
5955 }
5956 \newcommand*{\bidi@ReplaceClass}[2]{%
5957 \@bidi@replacefilewithext{#1}{#2}\@clsextension
5958 }
5959 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
5960 \ifcsname #1.#2-@bidi@aliasname\endcsname
5961 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
5962 \fi
5963 }
5964 \newcommand*{\bidi@UnReplacePackage}[1]{%
5965 \@bidi@unreplacefilewithext{#1}\@pkgextension
5966 }
5967 \newcommand*{\bidi@UnReplaceClass}[1]{%

```



```

5968 \@bidi@unreplacefilewithext{#1}\@clsextension
5969 }
5970 \newcommand*{\bidi@replacefile@msg}[2]{%
5971   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
5972 }
5973
5974 \newcommand*{\bidi@load@hook}[2]{%
5975   \ifundefined{#2-@#1}{-%
5976     \@nameuse{#2-@#1}%
5977     \expandafter\let\csname #2-@#1\endcsname=\relax}}
5978 \newcommand*{\bidi@set@load@hook}[2]{%
5979   \ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{-%
5980     \expandafter\g@addto@macro\csname #2-@#1\endcsname}
5981 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
5982 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
5983 \newcommand*{\bidi@BeforeClass}[1]{%
5984   \bidi@set@load@hook{before}{#1.\@clsextension}}
5985 \newcommand*{\bidi@AfterClass}{%
5986   \ifstar {\@s@bidi@AfterClass}{-%
5987     \ifnextchar +\@@bidi@AfterClass{%
5988       \ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
5989     }%
5990   }%
5991 }
5992
5993 \newcommand*{\@@@bidi@AfterClass}[2]{%
5994   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
5995     \aftergroup\@s@bidi@AfterClass
5996   \else
5997     \aftergroup\bidi@AfterAtEndOfClass
5998   \fi
5999   \endgroup{#2}%
6000 }
6001
6002 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
6003   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
6004 \newcommand*{\@@bidi@AfterClass}[2]{%
6005   \begingroup
6006     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
6007       \aftergroup\@s@bidi@AfterClass
6008     \else
6009       \aftergroup\bidi@AfterClass
6010     \fi
6011     \endgroup{#2}%
6012 }
6013
6014 \newcommand*{\@bidi@AfterClass}[1]{%
6015   \bidi@set@load@hook{after}{#1.\@clsextension}}
6016 \newcommand*{\@s@bidi@AfterClass}[1]{%
6017   \begingroup
6018     \ifclassloaded{#1}{-%
6019       \aftergroup\@secondoftwo
6020     }{%
6021       \aftergroup\bidi@AfterClass

```



```

6022     }%
6023 \endgroup
6024 {#1}%
6025 }
6026
6027
6028 \newcommand*{\bidi@BeforePackage}[1]{%
6029   \bidi@set@load@hook{before}{#1.\@pkgextension}}
6030 \newcommand*{\bidi@AfterPackage}{%
6031   \ifstar {\@s\bidi@AfterPackage}{%
6032     \ifnextchar +\@@bidi@AfterPackage{%
6033       \ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
6034     }%
6035   }%
6036 }
6037 \newcommand*{\@@@bidi@AfterPackage}[2]{%
6038   \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
6039     \aftergroup\@s\bidi@AfterPackage
6040   \else
6041     \aftergroup\bidi@AfterAtEndOfPackage
6042   \fi
6043   \endgroup{#2}%
6044 }
6045 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
6046   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
6047 \newcommand*{\@@bidi@AfterPackage}[2]{%
6048   \begingroup
6049     \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
6050       \aftergroup\@s\bidi@AfterPackage
6051     \else
6052       \aftergroup\@bidi@AfterPackage
6053     \fi
6054     \endgroup{#2}%
6055 }
6056 \newcommand*{\@bidi@AfterPackage}[1]{%
6057   \bidi@set@load@hook{after}{#1.\@pkgextension}}
6058 \newcommand*{\@s\bidi@AfterPackage}[1]{%
6059   \begingroup
6060     \ifpackageloaded{#1}{%
6061       \aftergroup\@secondoftwo
6062     }{%
6063       \aftergroup\@bidi@AfterPackage
6064     }%
6065   \endgroup
6066   {#1}%
6067 }
6068
6069 \newcommand*{\bidi@excludedpackages}{}
6070 \let\bidi@excludedpackages\@empty
6071 \newcommand*{\bidi@saves@RequirePackage}{}
6072 \newcommand*{\bidi@PreventPackageFromLoading}{%
6073   \ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}{%
6074     {\@bidi@PreventPackageFromLoading\PackageWarning}%
6075 }

```




```

6076 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
6077   \ifnextchar [%]
6078     {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
6079 }
6080 \newcommand*{\@bidi@PreventPackageFromLoading}{%
6081
6082 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
6083   \edef\reserved@b{\zap@space#3 \@empty}%
6084   \ifx \reserved@b\@empty
6085     #1{biditools}{%
6086       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
6087       argument ignored%
6088     }%
6089   \else
6090     \ifx\bidi@excludedpackages\@empty
6091       \let\bidi@saved@RequirePackage\RequirePackage
6092       \let\RequirePackage\bidi@RequirePackage
6093       \def\reserved@a##1##{%
6094         \@latex@error
6095         {\noexpand \usepackage before \string\documentclass}%
6096         {\noexpand \usepackage may only appear in the document
6097          preamble, i.e.,\MessageBreak
6098          between \noexpand\documentclass and
6099          \string\begin{document}.}%
6100         \@gobble}%
6101       \ifx\reserved@a\usepackage\else
6102         \ifx\usepackage\bidi@saved@RequirePackage\else
6103           \PackageWarning{biditools}{%
6104             Maybe serious problem: unexpected definition of\MessageBreak
6105             \string\usepackage
6106           }%
6107         \fi
6108         \let\usepackage\RequirePackage
6109       \fi
6110     \fi
6111     \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
6112     \reserved@b\do {%
6113       \ifx\reserved@a\@empty
6114         #1{biditools}{%
6115           empty package argument for
6116           \string\bidi@PreventPackageFromLoading\MessageBreak
6117           ignored%
6118         }%
6119       \else
6120         \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
6121           #1{biditools}{%
6122             package ``\reserved@a' already loaded.\MessageBreak
6123             Cannot prevent it from being loaded%
6124           }%
6125         }{%
6126           \edef\bidi@excludedpackages{\bidi@excludedpackages,%
6127             \reserved@a}%
6128           \if\relax\detokenize{#2}\relax\else
6129             \ifundefined\bidi@exclude@package@\reserved@a @do{%

```



```

6130         \@namedef{bidi@exclude@package@\reserved@a @do}{}%
6131     }{}%
6132     \expandafter\def
6133     \csname bidi@exclude@package@\reserved@a
6134         @do\expandafter\expandafter\expandafter\endcsname
6135     \expandafter\expandafter\expandafter{%
6136         \csname bidi@exclude@package@\reserved@a @do\endcsname
6137         #2%
6138     }%
6139     \fi
6140 }%
6141 \fi
6142 }%
6143 \ifx\bidi@excludedpackages\@empty
6144     \bidi@ResetPreventPackageFromLoading
6145 \fi
6146 \fi
6147 }
6148
6149 \@onlypreamble\bidi@PreventPackageFromLoading
6150 \newcommand*{\bidi@ResetPreventPackageFromLoading}{%
6151     \let\bidi@excludedpackages\@empty
6152     \ifx\RequirePackage\bidi@RequirePackage
6153         \ifx\usepackage\RequirePackage
6154             \let\usepackage\bidi@saved@RequirePackage
6155         \fi
6156         \let\RequirePackage\bidi@saved@RequirePackage
6157     \fi
6158 }
6159 \@onlypreamble\bidi@ResetPreventPackageFromLoading
6160 \newcommand*{\bidi@StorePreventPackageFromLoading}[1]{%
6161     \let#1\bidi@excludedpackages
6162 }
6163 \@onlypreamble\bidi@StorePreventPackageFromLoading
6164 \newcommand*{\bidi@UnPreventPackageFromLoading}{%
6165     \@ifstar {\@tempswattrue\bidi@UnPreventPackageFromLoading}%
6166             {\@tempswafalse\bidi@UnPreventPackageFromLoading}%
6167 }
6168
6169 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
6170     \edef\reserved@b{\zap@space#1 \@empty}%
6171     \if@tempswa
6172         \for\reserved@a=\reserved@b\do {%
6173             \ifx\reserved@a\@empty \else
6174                 \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
6175                     \expandafter\let
6176                     \csname bidi@exclude@package@\reserved@a @do\endcsname
6177                     \undefined
6178                 \fi
6179             \fi
6180         }%
6181     \fi
6182     \ifcsname bidi@excludedpackages\endcsname
6183         \let\reserved@a\bidi@excludedpackages

```



```

6184 \let\bidix@excludedpackages\@empty
6185 \expandafter\@for\expandafter\reserved@c
6186 \expandafter:\expandafter=\reserved@a
6187 \do{%
6188   \ifx\reserved@c\@empty\else
6189     \@expandtwoargs\in@{,\reserved@c,}{,\reserved@b,}%
6190     \ifin@
6191     \else
6192       \edef\bidix@excludedpackages{%
6193         \bidix@excludedpackages,\reserved@c
6194       }%
6195     \fi
6196   \fi
6197 }%
6198 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
6199 \fi
6200 }
6201
6202
6203 \newcommand*{\bidix@RequirePackage}[2][\]{%
6204   \let\reserved@c\@empty
6205   \let\reserved@d\@empty
6206   \edef\reserved@b{\zap@space#2 \@empty}%
6207   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
6208   \do {%
6209     \begingroup
6210     \@tempswatrue
6211     \@for\reserved@a:=\bidix@excludedpackages\do {%
6212       \ifx\reserved@a\reserved@b
6213         \@tempswafalse
6214       \fi
6215     }%
6216     \if@tempswa
6217       \xdef\reserved@c{\reserved@c,\reserved@b}%
6218     \else
6219       \ifx\reserved@b\@empty\else
6220         \PackageInfo{biditools}{Excluding package ``\reserved@b'\MessageBreak
6221           from loading}%
6222         \@ifundefined{bidix@exclude@package@\reserved@b @do}{%
6223           }{%
6224             \expandafter\g@addto@macro\expandafter\reserved@d
6225             \csname bidix@exclude@package@\reserved@b @do\endcsname
6226           }%
6227       \fi
6228     \fi
6229   \endgroup
6230 }%
6231 \ifx\reserved@c\@empty
6232   \let\reserved@a\bidix@gobbleopt
6233 \else
6234   \edef\reserved@a{\noexpand\bidix@saved@RequirePackage[#1]{%
6235     \expandafter\@gobble\reserved@c\@empty}}%
6236 \fi
6237 \expandafter\reserved@d

```



```

6238 \reserved@a
6239 }
6240
6241 \newcommand{\bidi@gobbleopt}[1][{}]{
6242 \AtEndDocument{%
6243 \let\bidi@saved@checkend=\@checkend
6244 \renewcommand*{\@checkend}[1]{%
6245 \def\reserved@a{#1}\def\reserved@b{document}%
6246 \bidi@saved@checkend{#1}%
6247 \ifx\reserved@a\reserved@b
6248 \let\bidi@saved@clearpage=\clearpage
6249 \renewcommand*{\clearpage}{\bidi@saved@clearpage
6250 \bidi@hook@bcma
6251 \bidi@restore@newpage
6252 \let\clearpage=\bidi@saved@clearpage}%
6253 \fi%
6254 \let\bidi@saved@dofilelist\@dofilelist
6255 \def\@dofilelist{%
6256 \bidi@hook@acma
6257 \let\@dofilelist\bidi@saved@dofilelist
6258 \bidi@saved@dofilelist
6259 }%
6260 }%
6261 }
6262
6263
6264 \newcommand*{\bidi@saved@checkend}{}
6265 \newcommand*{\bidi@saved@dofilelist}{}
6266 \newcommand*{\bidi@redefine@newpage}{}
6267 \let\bidi@saved@newpage\newpage
6268 \def\bidi@restore@newpage{%
6269 \renewcommand*{\newpage}{%
6270 \PackageWarningNoLine{%
6271 biditools%
6272 }{%
6273 \string\newpage\space at main aux file!\MessageBreak
6274 You have output material at the main aux file.\MessageBreak
6275 Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
6276 are processed before the output from aux file%
6277 }%
6278 \let\newpage\bidi@saved@newpage
6279 \newpage
6280 }%
6281 }%
6282 \renewcommand*{\newpage}{%
6283 \PackageError{%
6284 biditools%
6285 }{%
6286 \string\newpage\space at \string\bidi@BeforeClosingMainAux
6287 }{%
6288 You should never use \string\newpage\space or
6289 \string\clear(double)page or other output material at the\MessageBreak
6290 argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
6291 If you'll continue, the \string\newpage\space will be ignored to

```



```

6292         avoid corruption of\MessageBreak
6293         every prior use of \string\bid@BeforeClosingMainAux.
6294     }%
6295 }%
6296 }
6297
6298 \newcommand*\bid@restore@newpage{}{}
6299 \newcommand*\bid@hook@bcma{}{}
6300 \newcommand*\bid@hook@acma{}{}
6301 \newcommand*\bid@BeforeClosingMainAux}{%
6302     \ifx\bid@hook@bcma\@empty
6303         \gdef\bid@hook@bcma{%
6304             \renewcommand*\bid@BeforeClosingMainAux}[1]{###1}%
6305             \let\protected@write\bid@protected@immediate@write
6306             \bid@redefine@newpage
6307         }%
6308     \fi
6309     \g@addto@macro\bid@hook@bcma%
6310 }
6311
6312 \newcommand*\bid@AfterReadingMainAux}{%
6313     \ifx\bid@hook@acma\@empty
6314         \gdef\bid@hook@acma{%
6315             \renewcommand*\bid@AfterReadingMainAux}[1]{###1}%
6316             \let\protected@write\bid@protected@immediate@write
6317         }%
6318     \fi
6319     \g@addto@macro\bid@hook@acma%
6320 }
6321
6322 \long\def\bid@protected@immediate@write#1#2#3{%
6323     \begingroup
6324         #2%
6325         \let\protect\@unexpandable@protect
6326         \edef\reserved@a{\immediate\write#1{#3}}%
6327         \reserved@a
6328     \endgroup
6329     \if@nbreak\ifvmode\nobreak\fi\fi
6330 }
6331
6332 \def\bid@patch@counter{0}%
6333 \if@bid@csundef{numexpr}{%
6334     \def\bid@patch@stepcounter{%
6335         \begingroup
6336             \count@\bid@patch@counter\relax
6337             \advance\count@\@ne\relax
6338         \edef\x{\endgroup
6339             \noexpand\def\noexpand\bid@patch@counter{\the\count@}%
6340         }%
6341         \x
6342     }%
6343 }{%
6344     \def\bid@patch@stepcounter{%
6345         \edef\bid@patch@counter{%

```



```

6346     \the\numexpr\bidipatch@counter+\@ne\relax
6347   }%
6348 }%
6349 }
6350 \def\bidipatch@list{}
6351 \def\bidipatch@Add{%
6352   \bidipatch@appto\bidipatch@list
6353 }
6354 \def\bidipatch@AfterPackage#1{%
6355   \ifpackageloaded{#1}{%
6356     \@firstofone
6357   }{%
6358     \bidipatch@AfterPackage{#1}%
6359   }%
6360 }
6361 \def\@bidipatch@AfterPackage#1{%
6362   \edef\bidipatch@temp{#1}%
6363   \bidipatch@stepcounter
6364   \expandafter\bidipatch@@AfterPackage
6365   \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
6366     \bidipatch@temp
6367   }%
6368 }
6369 \def\bidipatch@@AfterPackage#1#2#3{%
6370   \begingroup
6371     \toks@{#3}%
6372     \xdef\bidipatch@gtemp{%
6373       \noexpand\ifpackageloaded{#2}{%
6374         \noexpand\let\noexpand#1\noexpand\relax
6375         \the\toks@
6376       }{%
6377       }%
6378     }%
6379     \endgroup
6380     \let#1\bidipatch@gtemp
6381     \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
6382 }
6383
6384 \def\bidipatch@try#1#2#3{%
6385   \if@bidicsundef{#1}{%
6386     \csname #1\endcsname{#2}{#3}%
6387   }%
6388 }
6389
6390 \AtBeginDocument{\bidipatch@list}
6391
6392 \bidipatch@AtEndPreamble{\bidipatch@list}%
6393
6394 \bidipatch@AfterEndPreamble{%
6395   \let\bidipatch@OrgIfPackageLoaded\ifpackageloaded
6396   \let\bidipatch@OrgIfPackageLater\ifpackagelater
6397   \let\bidipatch@OrgIfClassLoaded\ifclassloaded
6398   \let\bidipatch@OrgIfClassLater\ifclasslater
6399   \bidipatch@list

```



```

6400 \let\@ifpackageloaded\@patch@OrgIfPackageLoaded
6401 \let\@ifpackagelater\@patch@OrgIfPackageLater
6402 \let\@ifclassloaded\@patch@OrgIfClassLoaded
6403 \let\@ifclasslater\@patch@OrgIfClassLater
6404 }%

```

46 File bidentuftefloat.sty

```

6405 \NeedsTeXFormat{LaTeX2e}
6406 \ProvidesPackage{bidentuftefloat}[2017/05/19 v0.2
6407 bident implementation of tufte float]
6408 \RequirePackage{xifthen}
6409 \newcommand{\@bidentuftefloat@pkgname}{bidentuftefloat}
6410 \newcommand{\@bidentuftefloat@error}[2]{\PackageError{\@bidentuftefloat@pkgname}{#1}{#2}}
6411 \newcommand{\@bidentuftefloat@debug@infoNL}[1]{\ifthenelse{\boolean{\@bidentuftefloat@debug}}{\bid
6412 \newcommand{\@bidentuftefloat@infoNL}[1]{\PackageInfo{\@bidentuftefloat@pkgname}{#1\@gobble}}
6413 \newboolean{\@bidentuftefloat@reversegeometry}
6414 \setboolean{\@bidentuftefloat@reversegeometry}{false}
6415 \DeclareOption{reversegeometry}{\setboolean{\@bidentuftefloat@reversegeometry}{true}}
6416 \newboolean{\@bidentuftefloat@a4paper}
6417 \DeclareOption{a4paper}{\setboolean{\@bidentuftefloat@a4paper}{true}}
6418 \newboolean{\@bidentuftefloat@b5paper}
6419 \DeclareOption{b5paper}{\setboolean{\@bidentuftefloat@b5paper}{true}}
6420 \newboolean{\@bidentuftefloat@symmetric}
6421 \newboolean{\@bidentuftefloat@twoside}
6422 \DeclareOption{twoside}{%
6423 \@twoside>true \@mparswitch>true%
6424 \setboolean{\@bidentuftefloat@twoside}{true}%
6425 \setboolean{\@bidentuftefloat@symmetric}{true}%
6426 }
6427 \DeclareOption{oneside}{%
6428 \@twoside>false \@mparswitch>false%
6429 \setboolean{\@bidentuftefloat@twoside}{false}%
6430 \setboolean{\@bidentuftefloat@symmetric}{false}%
6431 }
6432 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
6433 \newboolean{\@bidentuftefloat@debug}
6434 \newcommand*{\@bidentuftefloat@caption@justification}{\@bidentuftefloat@justification@autodete
6435 \ProcessOptions
6436 %% Globally sets the length
6437 \newcommand*{\gsetlength}[2]{%
6438 \setlength{#1}{#2}%
6439 \global#1=#1\relax%
6440 }
6441
6442 %% Set the font sizes and baselines to match bidentuftefloat's books
6443 \renewcommand\normalsize{%
6444 \setfontsize\normalsize\@xpt{14}%
6445 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
6446 \abovedisplayshortskip \z@ \@plus3\p@
6447 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
6448 \belowdisplayskip \abovedisplayskip
6449 \let\@listi\@listI}
6450 \normalbaselineskip=14pt

```



```

6451 \normalsize
6452 \renewcommand\footnotesize{%
6453     \@setfontsize\footnotesize\@viipt{10}%
6454     \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
6455     \abovedisplayshortskip \z@ \@plus\p@
6456     \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
6457     \def\@listi{\leftmargin\leftmargini
6458         \topsep 3\p@ \@plus\p@ \@minus\p@
6459         \parsep 2\p@ \@plus\p@ \@minus\p@
6460         \itemsep \parsep}%
6461     \belowdisplayskip \abovedisplayskip
6462 }
6463 %% Paragraph indentation and separation for marginal text
6464 \newcommand{\@biditytfloat@margin@par}{%
6465     \setlength{\RaggedRightParindent}{0.5pc}%
6466     \setlength{\JustifyingParindent}{0.5pc}%
6467     \setlength{\parindent}{0.5pc}%
6468     \setlength{\parskip}{0pt}%
6469 }
6470 \RequirePackage{ragged2e}
6471 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
6472     \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar]{ragged2e}
6473 \ifthenelse{\boolean{@biditytfloat@a4paper}}{
6474     {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar}{}}
6475 }{
6476     \ifthenelse{\boolean{@biditytfloat@b5paper}}{
6477         {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm}{}}
6478     }{
6479         \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar]{ragged2e}
6480         \ifthenelse{\boolean{@biditytfloat@a4paper}}{
6481             {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar}{}}
6482         }{
6483             \ifthenelse{\boolean{@biditytfloat@b5paper}}{
6484                 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm}{}}
6485             }{
6486                 \ifthenelse{\boolean{@biditytfloat@symmetric}}{
6487                     {}
6488                 }{
6489                     {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
6490 }
6491 \setlength{\marginparpush}{10pt}
6492 %% Font for margin items
6493 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
6494 \newcommand*{\@biditytfloat@captionfont}{\@biditytfloat@marginfont}
6495 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@captionfont}{#1}}
6496 \newcommand{\@biditytfloat@justification}{\justifying}%
6497 \setlength{\abovedisplayskip}{6pt plus 2pt minus 4pt}
6498 \setlength{\belowdisplayskip}{6pt plus 2pt minus 4pt}
6499 \newboolean{@biditytfloat@changepage}
6500 \IfFileExists{changepage.sty}{%
6501     \biditytfloatDebugInfoNL{Found changepage.sty}
6502     \RequirePackage[strict]{changepage}
6503     \setboolean{@biditytfloat@changepage}{true}
6504 }{%
6505     \biditytfloatDebugInfoNL{Found chngpage.sty}
6506     \RequirePackage[strict]{chngpage}

```




```

6505 \setboolean{@bidituftefloat@changepage}{false}
6506 }
6507 \newboolean{@bidituftefloat@odd@page}
6508 \setboolean{@bidituftefloat@odd@page}{true}
6509 \newcommand*{@@bidituftefloat@checkoddp@page}{%
6510 \checkoddp@page%
6511 \ifthenelse{\boolean{@bidituftefloat@changepage}}{%
6512 \ifoddp@page%
6513 \setboolean{@bidituftefloat@odd@page}{true}%
6514 \else%
6515 \setboolean{@bidituftefloat@odd@page}{false}%
6516 \fi%
6517 }{%
6518 \ifcpoddp@page%
6519 \setboolean{@bidituftefloat@odd@page}{true}%
6520 \else%
6521 \setboolean{@bidituftefloat@odd@page}{false}%
6522 \fi%
6523 }%
6524 }
6525 \newlength{@@bidituftefloat@overhang}% used by the fullwidth environment and the running head
6526 \newlength{@@bidituftefloat@fullwidth}
6527 \newlength{@@bidituftefloat@caption@fill}
6528 \newcommand{@bidituftefloatRecalculate}{%
6529 \setlength{@@bidituftefloat@overhang}{\marginparwidth}
6530 \addtolength{@@bidituftefloat@overhang}{\marginparsep}
6531
6532 \setlength{@@bidituftefloat@fullwidth}{\textwidth}
6533 \addtolength{@@bidituftefloat@fullwidth}{\marginparsep}
6534 \addtolength{@@bidituftefloat@fullwidth}{\marginparwidth}
6535
6536 \setlength{@@bidituftefloat@caption@fill}{\textwidth}
6537 \addtolength{@@bidituftefloat@caption@fill}{\marginparsep}
6538 }
6539 \AtBeginDocument{@bidituftefloatRecalculate}
6540 \RequirePackage{optparams}% provides multiple optional arguments for commands
6541 \RequirePackage{placeins}
6542 \newsavebox{@@bidituftefloat@margin@floatbox}
6543 \newenvironment{@bidituftefloat@margin@float}[2][-1.2ex]%
6544 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in o
6545 \begin{lrbox}{@@bidituftefloat@margin@floatbox}%
6546 \begin{minipage}{\marginparwidth}%
6547 \@bidituftefloat@caption@font%
6548 \def\@capttype{#2}%
6549 \hbox{ }\vspace*{#1}%
6550 \@bidituftefloat@caption@justification%
6551 \@bidituftefloat@margin@par%
6552 \noindent%
6553 }
6554 {\end{minipage}%
6555 \end{lrbox}%
6556 \marginpar{\usebox{@@bidituftefloat@margin@floatbox}}%
6557 }
6558 \newenvironment{marginfigure}[1][-1.2ex]%

```



```

6559 {\begin{@biditytfloat@margin@float}[#1]{figure}}
6560 {\end{@biditytfloat@margin@float}}
6561 \newenvironment{margintable}[1][-1.2ex]%
6562 {\begin{@biditytfloat@margin@float}[#1]{table}}
6563 {\end{@biditytfloat@margin@float}}
6564 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
6565
6566 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float
6567 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
6568 \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}{%
6569 {\def\@biditytfloat@float@debug@info{#1}}%
6570 {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
6571 }
6572 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
6573 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug@info{#1}}
6574 \newboolean{@biditytfloat@float@recto}
6575 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug@info{#1}}
6576 \newcommand{\forceversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug@info{#1}}
6577 \newsavebox{@biditytfloat@figure@box}
6578 \newsavebox{@biditytfloat@caption@box}
6579 \let\@biditytfloat@orig@float\@float
6580 \let\@biditytfloat@orig@endfloat\endfloat
6581 \newlength{\@biditytfloat@caption@vertical@offset}
6582 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
6583 \newcommand{\@biditytfloat@stored@shortcaption}{%
6584 \newcommand{\@biditytfloat@stored@caption}{%
6585 \newcommand{\@biditytfloat@stored@label}{%
6586 \long\def\@biditytfloat@caption[#1][#2]#3{%
6587 \ifthenelse{\isempty{#1}}{%
6588 {\gdef\@biditytfloat@stored@shortcaption{#3}}%
6589 {\gdef\@biditytfloat@stored@caption{#1}}%
6590 \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to 1
6591 \gdef\@biditytfloat@stored@caption{#3}%
6592 }
6593 \newcommand{\@biditytfloat@label}[1]{%
6594 \gdef\@biditytfloat@stored@label{#1}%
6595 }
6596 \newcommand{\@biditytfloat@fps}{%
6597 \newboolean{@biditytfloat@float@star}
6598 \newlength{\@biditytfloat@float@contents@width}
6599 \newenvironment{@biditytfloat@float}[3][htbp]%
6600 {% begin @biditytfloat@float
6601 % Should this float be full-width or just text-width?
6602 \ifthenelse{\equal{#3}{star}}{%
6603 {\GlobalSetBoolean{@biditytfloat@float@star}{true}}%
6604 {\GlobalSetBoolean{@biditytfloat@float@star}{false}}%
6605 % Check page side (recto/verso) and store detected value -- can be overridden in environment
6606 \@biditytfloat@checkoddpagelength}%
6607 \ifthenelse{\boolean{@biditytfloat@float@star}}{%
6608 {\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug@info{#1}}
6609 {\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug@info{#1}}
6610 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
6611 \renewcommand{\@biditytfloat@fps}{#1}%
6612 \@biditytfloat@float@debug@info{#1}}%

```



```

6613 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
6614 {\renewcommand{\floatalignment}{b}\@bituftefloat@float@debug{Presumed position: [bot
6615 {\renewcommand{\floatalignment}{t}\@bituftefloat@float@debug{Presumed position: [top
6616 % Capture the contents of the \caption and \label commands to use later
6617 \global\let\@bituftefloat@orig@caption\caption%
6618 \global\let\@bituftefloat@orig@label\label%
6619 \renewcommand{\caption}{\optparams{\@bituftefloat@caption}{[] [Opt]}}%
6620 \renewcommand{\label}[1]{\@bituftefloat@label{##1}}%
6621 % Handle subfigure package compatibility
6622 \ifthenelse{\boolean{@bituftefloat@packages@subfigure}}{%
6623 \bidi@patchcmd{\subfigure}{%
6624 \let\subfig@oldlabel=\label
6625 }{%
6626 \let\subfig@oldlabel=\@bituftefloat@orig@label
6627 }
6628 {}
6629 {}
6630 \let\subtable=\subfigure
6631 }{}% subfigure package is not loaded
6632 \@bituftefloat@orig@float{#2}[#1]%
6633 \ifthenelse{\boolean{@bituftefloat@float@star}}%
6634 {\setlength{\@bituftefloat@float@contents@width}{\@bituftefloat@fullwidth}}%
6635 {\setlength{\@bituftefloat@float@contents@width}{\textwidth}}%
6636 \begin{lrbox}{\@bituftefloat@figure@box}%
6637 \begin{minipage}[\floatalignment]{\@bituftefloat@float@contents@width}\hbox{%
6638 }{%
6639 \par\hbox{\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{} a
6640 \end{minipage}%
6641 \end{lrbox}%
6642 % build the caption box
6643 \begin{lrbox}{\@bituftefloat@caption@box}%
6644 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
6645 \ifthenelse{\NOT\equal{\@bituftefloat@stored@caption}{}}{\@bituftefloat@orig@cap
6646 \ifthenelse{\NOT\equal{\@bituftefloat@stored@label}{}}{\@bituftefloat@orig@label
6647 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
6648 \end{minipage}%
6649 \end{lrbox}%
6650 % now typeset the stored boxes
6651 \begin{fullwidth}%
6652 \begin{minipage}[\floatalignment]{\linewidth}%
6653 \ifthenelse{\boolean{@bituftefloat@float@star}}%
6654 {\@bituftefloat@float@fullwidth[\@bituftefloat@caption@vertical@offset]{\@bidi
6655 {\@bituftefloat@float@textwidth[\@bituftefloat@caption@vertical@offset]{\@bidi
6656 \end{minipage}%
6657 \end{fullwidth}%
6658 \@bituftefloat@orig@endfloat% end original LaTeX float environment
6659 % output debug info
6660 \ifthenelse{\boolean{@bituftefloat@debug}}{%
6661 \typeout{^^J^^J----- biduntfloat package float information -----}%
6662 \ifthenelse{\equal{\@bituftefloat@stored@label}{}}%
6663 {\typeout{Warning: Float unlabeled!}}%
6664 {\typeout{Float label: [\@bituftefloat@stored@label]}}%
6665 \typeout{Page number: [\thepage]}%
6666 \def\MessageBreak{^^J}%

```



```

6667 \typeout{\@bittuftefloat@float@debug@info}%
6668 \ifthenelse{\boolean{@bittuftefloat@symmetric}}%
6669 {\typeout{Symmetric: [true]}}%
6670 {\typeout{Symmetric: [false]}}%
6671 \typeout{-----^^J^^J}%
6672 }{}%
6673 % reset commands and temp boxes and captions
6674 \gdef\@bittuftefloat@float@debug@info{}%
6675 \let\caption\@bittuftefloat@orig@caption%
6676 \let\label\@bittuftefloat@orig@label%
6677 \begin{lrbox}{\@bittuftefloat@figure@box}\hbox{}\end{lrbox}%
6678 \begin{lrbox}{\@bittuftefloat@caption@box}\hbox{}\end{lrbox}%
6679 \gdef\@bittuftefloat@stored@shortcaption{}%
6680 \gdef\@bittuftefloat@stored@caption{}%
6681 \gdef\@bittuftefloat@stored@label{}%
6682 \gsetlength{\@bittuftefloat@caption@vertical@offset}{0pt}% reset caption offset
6683 }
6684 \newcommand{\@bittuftefloat@float@textwidth}[3][0pt]{%
6685 \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}}\OR\boolean{@bittuftefloat@float@recto}
6686 % asymmetric or page is odd, so caption is on the right
6687 \hbox{%
6688 \usebox{#2}%
6689 \hspace{\marginparsep}%
6690 \smash{\raisebox{#1}{\usebox{#3}}}%
6691 }
6692 \@bittuftefloat@float@debug{Caption position: [right]}%
6693 }% symmetric pages and page is even, so caption is on the left
6694 \hbox{%
6695 \smash{\raisebox{#1}{\usebox{#3}}}%
6696 \hspace{\marginparsep}%
6697 \usebox{#2}%
6698 }
6699 \@bittuftefloat@float@debug{Caption position: [left]}%
6700 }%
6701 }
6702 \newcommand{\@bittuftefloat@float@fullwidth}[3][0pt]{%
6703 \ifthenelse{\equal{\floatalignment}{b}}%
6704 {\placecaptionabovefigure
6705 \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}}\OR\boolean{@bittuftefloat@float@recto}
6706 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bittuftefloat@float@debug
6707 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bittuftefloat@float@debug
6708 }% place caption below figure
6709 \ifthenelse{\NOT\boolean{@bittuftefloat@symmetric}}\OR\boolean{@bittuftefloat@float@recto}
6710 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@bittuftefloat@float@debug
6711 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@bittuftefloat@float@debug
6712 }%
6713 }
6714 \renewenvironment{figure}[1][htbp]%
6715 {\ifvmode\else\unskip\fi\begin{@bittuftefloat@float}[#1]{figure}{}}
6716 {\end{@bittuftefloat@float}}
6717 \renewenvironment{table}[1][htbp]
6718 {\ifvmode\else\unskip\fi\begin{@bittuftefloat@float}[#1]{table}{}}
6719 {\end{@bittuftefloat@float}}
6720 \renewenvironment{figure*}[1][htbp]%

```



```

6721 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
6722 {\end{@biditytfloat@float}}
6723 \renewenvironment{table*}[1][htbp]%
6724 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
6725 {\end{@biditytfloat@float}}
6726 \newenvironment{fullwidth}
6727 {\ifthenelse{\boolean{@biditytfloat@symmetric}}}%
6728 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{- \@biditytfloat@overhang}}%
6729 {\begin{adjustwidth}{- \@biditytfloat@overhang}}}%
6730 }%
6731 {\ifthenelse{\boolean{@biditytfloat@symmetric}}}%
6732 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
6733 {\end{adjustwidth}}}%
6734 }
6735 \long\def\caption#1[#2]#3{%
6736 \par%
6737 \addcontentsline{\csname ext@#1\endcsname}{#1}%
6738 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
6739 \begingroup%
6740 \@parboxrestore%
6741 \if@minipage%
6742 \@setminipage%
6743 \fi%
6744 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
6745 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
6746 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
6747 \endgroup}
6748 %%
6749 % Turns newlines into spaces. Based on code from the 'titlesec' package.
6750 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
6751 \ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
6752 }
6753 \def\@biditytfloat@newlinetospace@i{%
6754 \ifdim\lastskip>\z@ \else\space\fi
6755 \ignorespaces%
6756 }
6757 \DeclareRobustCommand{\newlinetospace}[1]{%
6758 \let\@biditytfloat@orig@cr\\% save the original meaning of \\
6759 \def\\{\@biditytfloat@newlinetospace}% turn \\ and \\* into \space
6760 \let\newline\\% turn \newline into \space
6761 #1%
6762 \let\\ \@biditytfloat@orig@cr% revert to original meaning of \\
6763 }
6764 \RequirePackage{fancyhdr}
6765 \pagestyle{fancy}
6766 \AtBeginDocument{%
6767 \ifthenelse{\boolean{@biditytfloat@symmetric}}
6768 {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
6769 {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
6770 }
6771 % The running heads/feet don't have rules
6772 \renewcommand{\headrulewidth}{0pt}
6773 \renewcommand{\footrulewidth}{0pt}
6774 % The 'fancy' page style is the default style for all pages.

```



```

6775 \fancyhf{} % clear header and footer fields
6776 \ifthenelse{\boolean{@biditytfloat@symmetric}}
6777 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
6778 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}%
6779 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
6780 % The 'plain' page style is used on chapter opening pages.
6781 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
6782 % bottom of pages -- the folios are unexpressed.
6783 \fancypagestyle{plain}{
6784 \fancyhf{} % clear header and footer fields
6785 % Uncomment the following five lines of code if you want the opening page
6786 % of the chapter to express the folio in the lower outside corner.
6787 % \ifthenelse{\boolean{@biditytfloat@symmetric}}
6788 % {\fancyfoot[LE,RO]{\thepage}}
6789 % {\fancyfoot[RE,RO]{\thepage}}
6790 }
6791 % The 'empty' page style suppresses all headers and footers.
6792 % It's used on title pages and 'intentionally blank' pages.
6793 \fancypagestyle{empty}{
6794 \fancyhf{} % clear header and footer fields
6795 }
6796 \def\morefloats{% provides a total of 52 floats
6797 \ifthenelse{\isundefined{\bx@S}}{%
6798 \biditytfloatDebugInfoNL{Adding 34 more float slots.}
6799 \newinsert\bx@S
6800 \newinsert\bx@T
6801 \newinsert\bx@U
6802 \newinsert\bx@V
6803 \newinsert\bx@W
6804 \newinsert\bx@X
6805 \newinsert\bx@Y
6806 \newinsert\bx@Z
6807 \newinsert\bx@a
6808 \newinsert\bx@b
6809 \newinsert\bx@c
6810 \newinsert\bx@d
6811 \newinsert\bx@e
6812 \newinsert\bx@f
6813 \newinsert\bx@g
6814 \newinsert\bx@h
6815 \newinsert\bx@i
6816 \newinsert\bx@j
6817 \newinsert\bx@k
6818 \newinsert\bx@l
6819 \newinsert\bx@m
6820 \newinsert\bx@n
6821 \newinsert\bx@o
6822 \newinsert\bx@p
6823 \newinsert\bx@q
6824 \newinsert\bx@r
6825 \newinsert\bx@s
6826 \newinsert\bx@t
6827 \newinsert\bx@u
6828 \newinsert\bx@v

```



```

6829 \newinsert\bx@w
6830 \newinsert\bx@x
6831 \newinsert\bx@y
6832 \newinsert\bx@z
6833 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
6834 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
6835 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
6836 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
6837 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
6838 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
6839 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
6840 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
6841 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
6842 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
6843 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
6844 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
6845 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
6846 \ifthenelse{\isundefined{\bx@AA}}{%
6847 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
6848 \newinsert\bx@AA
6849 \newinsert\bx@BB
6850 \newinsert\bx@CC
6851 \newinsert\bx@DD
6852 \newinsert\bx@EE
6853 \newinsert\bx@FF
6854 \newinsert\bx@GG
6855 \newinsert\bx@HH
6856 \newinsert\bx@II
6857 \newinsert\bx@JJ
6858 \newinsert\bx@KK
6859 \newinsert\bx@LL
6860 \newinsert\bx@MM
6861 \newinsert\bx@NN
6862 \newinsert\bx@OO
6863 \newinsert\bx@PP
6864 \newinsert\bx@QQ
6865 \newinsert\bx@RR
6866 \newinsert\bx@SS
6867 \newinsert\bx@TT
6868 \newinsert\bx@UU
6869 \newinsert\bx@VV
6870 \newinsert\bx@WW
6871 \newinsert\bx@XX
6872 \newinsert\bx@YY
6873 \newinsert\bx@ZZ
6874 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
6875 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
6876 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
6877 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
6878 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
6879 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
6880 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
6881 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
6882 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n

```



```

6883         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
6884         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
6885         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
6886         \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
6887         \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
6888         \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
6889         \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
6890         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
6891         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
6892     }{%
6893         \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
6894         {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or
6895     }%
6896 }%
6897 }
6898 \newboolean{@biditytfloat@packages@subfigure}
6899 \setboolean{@biditytfloat@packages@subfigure}{false}
6900 \AtBeginDocument{%
6901     \@ifpackageloaded{subfigure}
6902     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
6903     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}}%
6904 }
6905 \AtBeginDocument{%
6906     \@ifpackageloaded{float}{%
6907         % Save the redefined float environment (instead of the LaTeX float environment)
6908         \let\@biditytfloat@orig@float\@float
6909         \let\@biditytfloat@orig@endfloat\endfloat
6910
6911         % Define Tuftian float styles (with the caption in the margin)
6912         \newcommand{\floatc@biditytfloatplain}[2]{%
6913             \begin{lrbox}{\@biditytfloat@caption@box}%
6914                 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
6915                     \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
6916                 }\end{minipage}%
6917             \end{lrbox}%
6918             \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
6919     }
6920     \newcommand{\fs@biditytfloatplain}{%
6921         \def\@fs@cfont{\@biditytfloat@caption@font}%
6922         \let\@fs@capt\floatc@biditytfloatplain%
6923         \def\@fs@pre{}%
6924         \def\@fs@post{}%
6925         \def\@fs@mid{}%
6926         \let\@fs@iftopcapt@iftrue%
6927     }
6928     \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
6929     \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
6930     \newcommand\floatc@biditytfloatruled[2]{%
6931         {\@fs@cfont #1} #2\par%
6932     }
6933     \newcommand\fs@biditytfloatruled{%
6934         \def\@fs@cfont{\@biditytfloat@caption@font}%
6935         \let\@fs@capt\floatc@biditytfloatplain%
6936         \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%

```




```

6937     \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
6938     \def\@fs@mid{}%
6939     \let\@fs@iftopcapt\iftrue%
6940 }
6941 \newcommand\fs@bidituftefloatboxed{%
6942     \def\@fs@cfont{}%
6943     \let\@fs@capt\floatc@bidituftefloatplain%
6944     \def\@fs@pre{%
6945         \setbox\@currbox\vbox{\hbadness10000
6946         \moveleft3.4pt\vbox{\advance\hsize by6.8pt
6947         \hrule \hbox to\hsize{\vrule\kern3pt
6948         \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
6949     }%
6950     \def\@fs@mid{\kern2pt}%
6951     \def\@fs@post{}%
6952     \let\@fs@iftopcapt\iftrue%
6953 }
6954 }{%
6955     % Nothing to do
6956 }
6957 }
6958 \AtBeginDocument{%
6959     \@ifpackageloaded{algorithm}{%
6960         % Set the float style to the Tufte version
6961         \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\AL
6962             \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBrea
6963             \floatstyle{bidituftefloat\ALG@floatstyle}%
6964             \restylefloat{algorithm}%
6965         }{%
6966         }{%
6967             % Nothing to do
6968         }
6969     }
6970 \PassOptionsToPackage{caption=false}{subfig}

```

47 File bidituftesidenote.sty

```

6971 \NeedsTeXFormat{LaTeX2e}
6972 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
6973 bidi implementation of tufte sidenote]
6974 \RequirePackage{xifthen}
6975 \RequirePackage{ragged2e}
6976 \RequirePackage{setspace}
6977 \RequirePackage{biditools}
6978 \def\bidituftesidenotemarginpar{%
6979     \ifhmode
6980         \@bsphack
6981         \@floatpenalty -\@Mii
6982     \else
6983         \@floatpenalty -\@Miii
6984     \fi
6985     \ifinner
6986         \@parmoderr
6987         \@floatpenalty\z@

```



```

6988 \else
6989 \next\@currbox\@freelist{}\}%
6990 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
6991 {\@floatpenalty\z@
6992 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
6993 \fi
6994 \ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteympar}
6995 \long\def\@bidityftesidenotexmpar[#1]#2{%
6996 \@bidityftesidenotesavemarbox\@marbox{#1}%
6997 \@bidityftesidenotesavemarbox\@currbox{#2}%
6998 \@xympar}
6999 \long\def\@bidityftesidenoteympar#1{%
7000 \@bidityftesidenotesavemarbox\@marbox{#1}%
7001 \global\setbox\@currbox\copy\@marbox
7002 \@xympar}
7003 \long\def \@bidityftesidenotesavemarbox #1#2{%
7004 \global\setbox #1%
7005 \color@vbox
7006 \vtop{%
7007 \hsize\marginparwidth
7008 \@parboxrestore
7009 \@bidityftesidenotemarginparreset
7010 #2%
7011 \@minipagefalse
7012 \outer@nobreak
7013 }%
7014 \color@endbox
7015 }
7016 \def \@bidityftesidenotemarginparreset {%
7017 \reset@font
7018 \normalsize
7019 \@minipagetrue
7020 \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
7021 }
7022 \def\LTRbidityftesidenotemarginpar{%
7023 \ifhmode
7024 \@bsphack
7025 \@floatpenalty -\@Mii
7026 \else
7027 \@floatpenalty -\@Miii
7028 \fi
7029 \ifinner
7030 \@parmoderr
7031 \@floatpenalty\z@
7032 \else
7033 \next\@currbox\@freelist{}\}%
7034 \next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7035 {\@floatpenalty\z@
7036 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
7037 \fi
7038 \ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
7039 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
7040 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7041 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%

```



```

7042 \@xympar}
7043 \long\def\@LTRbidityftesidenoteympar#1{%
7044 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
7045 \global\setbox\@currbox\copy\@marbox
7046 \@xympar}
7047 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
7048 \global\setbox #1%
7049 \color@vbox
7050 \vtop{%
7051 \hsize\marginparwidth
7052 \@parboxrestore
7053 \@LTRbidityftesidenotemarginparreset
7054 #2%
7055 \@minipagefalse
7056 \outer@nobreak
7057 }%
7058 \color@endbox
7059 }
7060 \def \@LTRbidityftesidenotemarginparreset {%
7061 \reset@font
7062 \normalsize
7063 \@minipagetrue
7064 \everypar{\@minipagefalse\everypar{}\beginL}%
7065 }
7066 \def\RTLbidityftesidenotemarginpar{%
7067 \ifhmode
7068 \@bsphack
7069 \@floatpenalty -\@Mii
7070 \else
7071 \@floatpenalty-\@Miii
7072 \fi
7073 \ifinner
7074 \@parmoderr
7075 \@floatpenalty\z@
7076 \else
7077 \@next\@currbox\@freelist{}\}%
7078 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
7079 {\@floatpenalty\z@
7080 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
7081 \fi
7082 \ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
7083 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
7084 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
7085 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
7086 \@xympar}
7087 \long\def\@RTLbidityftesidenoteympar#1{%
7088 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
7089 \global\setbox\@currbox\copy\@marbox
7090 \@xympar}
7091 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
7092 \global\setbox #1%
7093 \color@vbox
7094 \vtop{%
7095 \hsize\marginparwidth

```



```

7096         \@parboxrestore
7097         \@RTLbidityftesidenotemarginparreset
7098         #2%
7099         \@minipagefalse
7100         \outer@nobreak
7101     }%
7102     \color@endbox
7103 }
7104 \def \@RTLbidityftesidenotemarginparreset {%
7105     \reset@font
7106     \normalsize
7107     \@minipagetrue
7108     \everypar{\@minipagefalse\everypar{}\beginR}%
7109 }
7110 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
7111 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
7112 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
7113 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
7114 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
7115 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
7116 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
7117 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
7118 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
7119 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
7120 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
7121 \newcommand*{\@bidityftesidenote@RTLCitation@font}{\@bidityftesidenote@RTLmarginfont}
7122 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
7123 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
7124 \newcommand*{\setRTLSidenote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
7125 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
7126 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
7127 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
7128 \newcommand*{\setcitation@font}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
7129 \newcommand*{\setLTRcitation@font}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
7130 \newcommand*{\setRTLCitation@font}[1]{\renewcommand*{\@bidityftesidenote@RTLCitation@font}{#1}}
7131 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
7132 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
7133 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
7134 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
7135 \newcommand{\@bidityftesidenote@margin@par}{%
7136     \setlength{\RaggedRightParindent}{0.5pc}%
7137     \setlength{\JustifyingParindent}{0.5pc}%
7138     \setlength{\parindent}{0.5pc}%
7139     \setlength{\parskip}{0pt}%
7140 }
7141 %%
7142 % Globally sets the length
7143 \@ifundefined{gsetlength}{%
7144 \newcommand*{gsetlength}[2]{%
7145     \setlength{#1}{#2}%
7146     \global#1=#1\relax%
7147 }%
7148 }{}
7149

```



```

7150 %%
7151 % A function that removes leading and trailing spaces from the supplied macro.
7152 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
7153 % Executing \@bidityftesidenote@trim@spaces\xyzyy will result in the contents of \xyzyy
7154 % being trimmed of leading and trailing white space.
7155 \catcode\Q=3
7156 \def\@bidityftesidenote@trim@spaces#1{%
7157   % Use grouping to emulate a multi-token afterassignment queue
7158   \begingroup%
7159   % Put ``\toks 0 {' into the afterassignment queue
7160   \aftergroup\toks\aftergroup0\aftergroup{%
7161   % Apply \trimb to the replacement text of #1, adding a leading
7162   % \noexpand to prevent brace stripping and to serve another purpose
7163   % later.
7164   \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
7165   % Transfer the trimmed text back into #1.
7166   \edef#1{\the\toks0}%
7167 }
7168 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
7169 % clean up any leftover bizarre Qs, and trim a leading space. In
7170 % order for \trimc to work properly we need to put back a Q first.
7171 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
7172 % Execute \vfuzz assignment to remove leading space; the \noexpand
7173 % will now prevent unwanted expansion of a macro or other expandable
7174 % token at the beginning of the trimmed text. The \endgroup will feed
7175 % in the \aftergroup tokens after the \vfuzz assignment is completed.
7176 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
7177 \catcode\Q=11
7178 %%
7179 % Citations should go in the margin as sidenotes
7180
7181 \RequirePackage{natbib}
7182 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography env
7183 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
7184 \renewcommand\BR@b@bibitem[2][{}]{%
7185   \ifthenelse{\isempty{#1}}{%
7186     {\BR@bibitem{#2}}%
7187     {\BR@bibitem{#1}{#2}}%
7188   \BR@c@bibitem{#2}%
7189 }
7190 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
7191 %%
7192 % Normal \cite behavior
7193 \newcounter{@bidityftesidenote@num@bibkeys}%
7194 \newcommand{\@bidityftesidenote@normal@cite}[2][0pt]{%
7195   % Snag the last bibentry in the list for later comparison
7196   \let\@temp@last@bibkey\@empty%
7197   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
7198   \sidenote[] [1]{%
7199     % Loop through all the bibentries, separating them with semicolons and spaces
7200     \normalsize\normalfont\@bidityftesidenote@citation@font%
7201     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
7202     \@for\@temp@bibkeyx:=#2\do{%
7203       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{

```



```

7204         {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
7205         \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7206         \bibentry{\@temp@bibkeyx}}}%
7207         {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7208         \bibentry{\@temp@bibkeyx};\ }%
7209     \stepcounter{@bidituftesidenote@num@bibkeys}%
7210 }%
7211 }%
7212 }
7213 \newcommand{\@bidituftelTRsidenote@normal@cite}[2][Opt]{%
7214 % Snag the last bibentry in the list for later comparison
7215 \let\@temp@last@bibkey\@empty%
7216 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
7217 \LTRsidenote[] [#1]{%
7218 % Loop through all the bibentries, separating them with semicolons and spaces
7219 \normalsize\normalfont\@bidituftesidenote@LTRcitation@font%
7220 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
7221 \@for\@temp@bibkeyx:=#2\do{%
7222 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
7223 {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
7224 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7225 \bibentry{\@temp@bibkeyx}}}%
7226 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7227 \bibentry{\@temp@bibkeyx};\ }%
7228 \stepcounter{@bidituftesidenote@num@bibkeys}%
7229 }%
7230 }%
7231 }
7232 \newcommand{\@biditufterTLsidenote@normal@cite}[2][Opt]{%
7233 % Snag the last bibentry in the list for later comparison
7234 \let\@temp@last@bibkey\@empty%
7235 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
7236 \RTLsidenote[] [#1]{%
7237 % Loop through all the bibentries, separating them with semicolons and spaces
7238 \normalsize\normalfont\@bidituftesidenote@citation@font%
7239 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
7240 \@for\@temp@bibkeyx:=#2\do{%
7241 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
7242 {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
7243 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7244 \bibentry{\@temp@bibkeyx}}}%
7245 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7246 \bibentry{\@temp@bibkeyx};\ }%
7247 \stepcounter{@bidituftesidenote@num@bibkeys}%
7248 }%
7249 }%
7250 }
7251 %%
7252 % Macros for holding the list of cite keys until after the \sidenote
7253 \gdef\@bidituftesidenote@citations{}% list of cite keys
7254 \newcommand\@bidituftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
7255 \ifx\@bidituftesidenote@citations\@empty\else
7256 \g@addto@macro\@bidituftesidenote@citations{,% separate by commas
7257 \fi

```



```

7258 \g@addto@macro\@bidityftesidenote@citations{#1}
7259 }
7260 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin no
7261 % Snag the last bibentry in the list for later comparison
7262 \let\@temp@last@bibkey\@empty%
7263 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
7264 \marginpar{%
7265 \hbox{}\vspace*{#1}%
7266 \@bidityftesidenote@citation@font%
7267 \@bidityftesidenote@citation@justification%
7268 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
7269 \vspace*{-1\baselineskip}%
7270 % Loop through all the bibentries, separating them with semicolons and spaces
7271 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
7272 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
7273 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
7274 {\ifthenelse{equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{-}{and\ }}%
7275 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7276 \bibentry{\@temp@bibkeyx}}%
7277 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
7278 \bibentry{\@temp@bibkeyx};\ }%
7279 \stepcounter{\@bidityftesidenote@num@bibkeys}%
7280 }%
7281 }%
7282 }
7283 %%
7284 % \cite behavior when executed within a sidenote
7285 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
7286 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
7287 \@bidityftesidenote@add@citation{#1}
7288 }
7289 %%
7290 % Set the default \cite style. This is set and reset by the \sidenote command.
7291 \let\cite\@bidityftesidenote@normal@cite
7292 \let\LTRcite\@bidityftesidenote@normal@cite
7293 \let\RTLcite\@bidityftesidenote@normal@cite
7294 %%
7295 % Transform existing \footnotes into \sidenotes
7296 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
7297 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional argu
7298 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
7299 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
7300 % Override footmisc's definition to set the sidenote marks (numbers) inside the
7301 % sidenote's text block.
7302 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
7303 % Set the in-text footnote mark in the same typeface as the body text itself.
7304 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote
7305 \providecommand*{\multiplefootnotemark}{3sp}
7306 \providecommand*{\multiplefootsep}{,}
7307 \bidi@patch@AfterPackage{bidi}{%
7308 \renewcommand{\footnotemark}{%
7309 \leavevmode%
7310 \ifhmode%
7311 \edef\@x@sf{\the\spacefactor}%

```



```

7312 \@bidityftesidenote@check@multiple@sidenotes%
7313 \nobreak%
7314 \fi%
7315 \@makefnmark%
7316 \ifhmode\spacefactor\@x@sf\fi%
7317 \relax%
7318 }%
7319 }
7320 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
7321 \ifdim\lastkern=\multiplefootnotemarker\relax%
7322 \edef\@x@sf{\the\spacefactor}%
7323 \unkern%
7324 \textsuperscript{\multfootsep}%
7325 \spacefactor\@x@sf\relax%
7326 \fi
7327 }
7328 \bidi@patch@AfterPackage{bidi}{%
7329 \renewcommand\@footnotetext[2][0pt]{%
7330 \bidityftesidenotemarginpar{%
7331 \hbox{}\vspace*{#1}%
7332 \def\baselinestretch {\setspace@singlespace}%
7333 \reset@font%
7334 \bidi@@footnotetext@font% \reset@font\footnotesize%
7335 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
7336 \vspace*{-1\baselineskip}\noindent%
7337 \protected@edef\@currentlabel{%
7338 \csname p@footnote\endcsname\@thefnmark%
7339 }%
7340 \color@begingroup%
7341 \@makefnmark%
7342 \ignorespaces#2%
7343 }%
7344 \color@endgroup%
7345 }%
7346 }%
7347 \renewcommand\@LTRfootnotetext[2][0pt]{%
7348 \LTRbidityftesidenotemarginpar{%
7349 \hbox{}\vspace*{#1}%
7350 \def\baselinestretch {\setspace@singlespace}%
7351 \reset@font%
7352 \bidi@@LTRfootnotetext@font% \reset@font\footnotesize%
7353 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
7354 \vspace*{-1\baselineskip}\noindent%
7355 \protected@edef\@currentlabel{%
7356 \csname p@footnote\endcsname\@thefnmark%
7357 }%
7358 \color@begingroup%
7359 \@makefnmark%
7360 \ignorespaces#2%
7361 }%
7362 \color@endgroup%
7363 }%
7364 }%
7365 \renewcommand\@RTLfootnotetext[2][0pt]{%

```




```

7366 \RTLbidityftesidenotemarginpar{%
7367   \hbox{}\vspace*{#1}%
7368   \def\baselinestretch {\setspace@singlespace}%
7369   \reset@font%
7370   \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
7371   \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
7372   \vspace*{-1\baselineskip}\noindent%
7373   \protected@edef\@currentlabel{%
7374     \csname p@footnote\endcsname\@thefnmark%
7375   }%
7376   \color@begingroup%
7377     \@makefntext{%
7378       \ignorespaces#2%
7379     }%
7380   \color@endgroup%
7381 }%
7382 }%
7383 }
7384 %
7385 % Define \sidenote command. Can handle \cite.
7386 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
7387 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
7388 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
7389 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
7390   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
7391   \gdef\@bidityftesidenote@citations{}% clear out any old citations
7392   \ifthenelse{\NOT\isempty{#2}}{%
7393     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
7394   }{%
7395     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
7396   }%
7397   \ifthenelse{\isempty{#1}}{%
7398     % no specific footnote number provided
7399     \stepcounter\@mpfn%
7400     \protected@xdef\@thefnmark{\thempfn}%
7401     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
7402   }{%
7403     % specific footnote number provided
7404     \begingroup%
7405       \csname c@\@mpfn\endcsname #1\relax%
7406       \unrestored@protected@xdef\@thefnmark{\thempfn}%
7407     \endgroup%
7408     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
7409   }%
7410   \@bidityftesidenote@print@citations% print any citations
7411   \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
7412   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
7413   \let\RTLCite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
7414   \unskip\ignorespaces% remove extra white space
7415   \kern-\multiplefootnotemark% remove \kern left behind by sidenote
7416   \kern\multiplefootnotemark\relax% add new \kern here to replace the one we yanked
7417 }
7418 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
7419   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command

```



```

7420 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
7421 \ifthenelse{\NOT\isempty{#2}}{%
7422     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
7423 }{%
7424     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
7425 }%
7426 \ifthenelse{\isempty{#1}}{%
7427     % no specific footnote number provided
7428     \stepcounter{\@mpfn}%
7429     \protected@xdef\@thefnmark{\thempfn}%
7430     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
7431 }{%
7432     % specific footnote number provided
7433     \begingroup%
7434         \csname c@\@mpfn\endcsname #1\relax%
7435         \unrestored@protected@xdef\@thefnmark{\thempfn}%
7436     \endgroup%
7437     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
7438 }%
7439 \@bidityftesidenote@print@citations%          print any citations
7440 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
7441 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
7442 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
7443 \unskip\ignorespaces%          remove extra white space
7444 \kern-\multiplefootnotemark%    remove \kern left behind by sidenote
7445 \kern-\multiplefootnotemark\relax% add new \kern here to replace the one we yanked
7446 }
7447 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
7448 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
7449 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
7450 \ifthenelse{\NOT\isempty{#2}}{%
7451     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
7452 }{%
7453     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
7454 }%
7455 \ifthenelse{\isempty{#1}}{%
7456     % no specific footnote number provided
7457     \stepcounter{\@mpfn}%
7458     \protected@xdef\@thefnmark{\thempfn}%
7459     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
7460 }{%
7461     % specific footnote number provided
7462     \begingroup%
7463         \csname c@\@mpfn\endcsname #1\relax%
7464         \unrestored@protected@xdef\@thefnmark{\thempfn}%
7465     \endgroup%
7466     \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
7467 }%
7468 \@bidityftesidenote@print@citations%          print any citations
7469 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comm
7470 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
7471 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
7472 \unskip\ignorespaces%          remove extra white space
7473 \kern-\multiplefootnotemark%    remove \kern left behind by sidenote

```



```

7474 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
7475 }
7476 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
7477 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
7478 \newcommand{\RTLsidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
7479 \bidi@patch@AfterPackage{bidi}{%
7480 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
7481 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
7482 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
7483 }
7484 %%
7485 % Sidenote without the footnote mark
7486 \newcommand\marginnote[2] [Opt]{%
7487 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
7488 \gdef\@bidityftesidenote@citations{}% clear out any old citations
7489 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
7490 \@bidityftesidenote@print@citations% print any citations
7491 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
7492 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
7493 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
7494 }
7495 \newcommand\LTRmarginnote[2] [Opt]{%
7496 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
7497 \gdef\@bidityftesidenote@citations{}% clear out any old citations
7498 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@print@citations%
7499 \@bidityftesidenote@print@citations% print any citations
7500 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
7501 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
7502 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
7503 }
7504 \newcommand\RTLmarginnote[2] [Opt]{%
7505 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
7506 \gdef\@bidityftesidenote@citations{}% clear out any old citations
7507 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@bidityftesidenote@print@citations%
7508 \@bidityftesidenote@print@citations% print any citations
7509 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
7510 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
7511 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
7512 }

```

48 File bidityftetoc.sty

```

7513 \NeedsTeXFormat{LaTeX2e}
7514 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
7515 bidi implementation of tufte toc]
7516 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
7517 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
7518 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
7519 %%
7520 % Turn off section numbering
7521 \setcounter{secnumdepth}{-1}
7522 \newboolean{\@bidityftetoc@toc}
7523 \setboolean{\@bidityftetoc@toc}{true}
7524 \DeclareOption{notoc}{\setboolean{\@bidityftetoc@toc}{false}}

```



```

7525 \DeclareOption{toc}{\setboolean{@biditytetoc@toc}{true}}
7526 \ProcessOptions
7527 %%
7528 % Make Tufte-style section headings and TOC formatting
7529 \bidity@patch@AfterPackage{bidity}{%
7530 \titleformat{\chapter}%
7531 [display]% shape
7532 {\relax\ifthenelse{\NOT\boolean{@biditytuftefloat@symmetric}}{\begin{fullwidth}}{}}% format
7533 {\itshape\huge\thechapter}% label
7534 {0pt}% horizontal separation between label and title body
7535 {\huge\rmfamily\itshape}% before the title body
7536 [\ifthenelse{\NOT\boolean{@biditytuftefloat@symmetric}}{\end{fullwidth}}{}}% after the title
7537 \titleformat{\section}%
7538 [hang]% shape
7539 {\normalfont\Large\itshape}% format applied to label+text
7540 {\thesection}% label
7541 {1em}% horizontal separation between label and title body
7542 {}% before the title body
7543 []% after the title body
7544 \titleformat{\subsection}%
7545 [hang]% shape
7546 {\normalfont\large\itshape}% format applied to label+text
7547 {\thesubsection}% label
7548 {1em}% horizontal separation between label and title body
7549 {}% before the title body
7550 []% after the title body
7551 \titleformat{\paragraph}%
7552 [runin]% shape
7553 {\normalfont\itshape}% format applied to label+text
7554 {\theparagraph}% label
7555 {1em}% horizontal separation between label and title body
7556 {}% before the title body
7557 []% after the title body
7558 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
7559 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
7560 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
7561 }
7562 % Subsubsection and following section headings shouldn't be used.
7563 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
7564 \renewcommand\subsubsection{%
7565 \biditytufteError{\noexpand\subsubsection is undefined by this class.%
7566 \MessageBreak See Robert Bringhurst's _The Elements of
7567 \MessageBreak Typographic Style_, section 4.2.2.
7568 \MessageBreak \noexpand\subsubsection was used}
7569 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
7570 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
7571 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytufte.com/.}
7572 }
7573 \renewcommand\subparagraph{%
7574 \biditytufteError{\noexpand\subparagraph is undefined by this class.%
7575 \MessageBreak See Robert Bringhurst's _The Elements of
7576 \MessageBreak Typographic Style_, section 4.2.2.
7577 \MessageBreak \noexpand\subparagraph was used}
7578 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as

```



```

7579 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
7580 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/
7581 }
7582 % Formatting for main TOC (printed in front matter)
7583 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
7584 \ifthenelse{\boolean{@biditytetoc@toc}}{%
7585 \bidi@patch@AfterPackage{bidi}{%
7586 \titlecontents{part}% FIXME
7587 [0em] % distance from left margin
7588 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
7589 {\contentslabel{2em}} % before w/label (label = ``II'')
7590 {} % before w/o label
7591 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7592 [\end{fullwidth}] % after
7593 \titlecontents{chapter}%
7594 [0em] % distance from left margin
7595 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
7596 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
7597 {\hspace*{0em}} % before w/o label
7598 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7599 [\end{fullwidth}] % after
7600 \titlecontents{section}% FIXME
7601 [0em] % distance from left margin
7602 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
7603 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
7604 {\hspace*{2em}} % before w/o label
7605 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7606 [\end{fullwidth}] % after
7607 \titlecontents{subsection}% FIXME
7608 [0em] % distance from left margin
7609 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
7610 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
7611 {\hspace*{4em}} % before w/o label
7612 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7613 [\end{fullwidth}] % after
7614 \titlecontents{paragraph}% FIXME
7615 [0em] % distance from left margin
7616 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global f
7617 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
7618 {\hspace*{6em}} % before w/o label
7619 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
7620 [\end{fullwidth}] % after
7621 }%
7622 {}
7623 %%
7624 % Format lists of figures/tables
7625 \renewcommand\listoffigures{%
7626 \@ifundefined{chapter}%
7627 {\section*{\listfigurename}}%
7628 {\chapter*{\listfigurename}}%
7629 % \begin{fullwidth}%
7630 % \@starttoc{lof}%
7631 % \end{fullwidth}%
7632 }

```



```

7633 \renewcommand\listoftables{%
7634   \@ifundefined{chapter}%
7635     {\section*{\listtablename}}%
7636     {\chapter*{\listtablename}}%
7637 %   \begin{fullwidth}%
7638 %     \@starttoc{lot}%
7639 %   \end{fullwidth}%
7640 }
7641 \newcommand{\@bidityfttoc@lof@line}[2]{%
7642   % #1 is the figure/table number and its caption text
7643   % #2 is the page number on which the figure/table appears
7644   \leftskip 0.0em
7645   \rightskip 0em
7646   \parfillskip 0em plus 1fil
7647   \parindent 0.0em
7648   \@afterindenttrue
7649   \interlinepenalty\@M
7650   \leavevmode
7651   \@tempdima 2.0em
7652   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7653   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
7654   {#1}\nobreak\quad\nobreak#2%
7655   \par%
7656 }
7657 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
7658 \let\l@table\l@figure

```

49 File bidityftgeneralstructure.sty

```

7659 \NeedsTeXFormat{LaTeX2e}
7660 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
7661 bidi implementation of tufte general structure]
7662 \renewcommand\small{%
7663   \@setfontsize\small\@ixpt{12}%
7664   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
7665   \abovedisplayshortskip \z@ \@plus2\p@
7666   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
7667   \def\@listi{\leftmargin\leftmargini
7668             \topsep 4\p@ \@plus2\p@ \@minus2\p@
7669             \parsep 2\p@ \@plus\p@ \@minus\p@
7670             \itemsep \parsep}%
7671   \belowdisplayskip \abovedisplayskip
7672 }
7673 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
7674 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vipt}
7675 \renewcommand\large{\@setfontsize\large\@xipt{15}}
7676 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
7677 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
7678 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
7679 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
7680 \setlength\leftmargini {1pc}
7681 \setlength\leftmarginii {1pc}
7682 \setlength\leftmarginiii {1pc}
7683 \setlength\leftmarginiv {1pc}

```



```

7684 \setlength\leftmarginiv {1pc}
7685 \setlength\leftmarginvi {1pc}
7686 \setlength\labelsep {.5pc}
7687 \setlength\labelwidth {\leftmarginiv}
7688 \addtolength\labelwidth{-\labelsep}
7689 \setlength{\parindent}{1.0pc}%
7690 \setlength{\parskip}{0pt}%
7691 \RequirePackage{ragged2e}
7692 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
7693 % Paragraph indentation and separation for normal text
7694 \newcommand{\@biditytgeneralstructure@reset@par}{%
7695 \setlength{\RaggedRightParindent}{1.0pc}%
7696 \setlength{\JustifyingParindent}{1.0pc}%
7697 \setlength{\parindent}{1pc}%
7698 \setlength{\parskip}{0pt}%
7699 }
7700 \@biditytgeneralstructure@reset@par
7701 % Require paralist package for tighter lists
7702 \RequirePackage{paralist}
7703 % Add rightmargin to compactenum
7704 \def\@compactenum@{%
7705 \expandafter\list\csname label\@enumctr\endcsname{%
7706 \usecounter{\@enumctr}%
7707 \rightmargin=2em% added this
7708 \parsep\plparsep
7709 \itemsep\plitemsep
7710 \topsep\pltopsep
7711 \partopsep\plpartopsep
7712 \def\makelabel##1{\hss\llap{##1}}}%
7713 %%
7714 % An environment for paragraph-style section
7715 \providecommand\newthought[1]{%
7716 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
7717 \noindent\textbf{#1}%
7718 }
7719 %%
7720 % Redefine the display environments (quote, quotation, etc.)
7721 \renewenvironment{verse}
7722 {\let\\ \@centercr
7723 \list{}{\itemsep \z@
7724 \itemindent -1pc%
7725 \listparindent\itemindent
7726 \rightmargin \leftmargin
7727 \advance\leftmargin 1pc}%
7728 \small%
7729 \item\relax}
7730 {\endlist}
7731 \renewenvironment{quotation}
7732 {\list{}{\listparindent 1pc%
7733 \itemindent \listparindent
7734 \rightmargin \leftmargin
7735 \parsep \z@ \@plus\p@}%
7736 \small%
7737 \item\relax\noindent\ignorespaces}

```



```

7738             {\endlist}
7739 \renewenvironment{quote}
7740             {\list{}{\rightmargin\leftmargin}%
7741              \small%
7742              \item\relax}
7743             {\endlist}
7744 % Italicize description run-in headings (instead of the default bold)
7745 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
7746 %%
7747 % Redefine \bibsection to not mark the running heads.
7748 % (Code modified from natbib.sty.)
7749 \@ifundefined{chapter}%
7750   {\renewcommand\bibsection{\section*{\refname}}}
7751   {\@ifundefined{NAT@sectionbib}%
7752     {\renewcommand\bibsection{\chapter{\bibname}}}
7753     {\renewcommand\bibsection{\section*{\bibname}}}}
7754 \RequirePackage{multicol}
7755 \renewenvironment{theindex}{%
7756 \@ifundefined{chapter}%
7757   {\section*{\indexname}}%
7758   {\chapter{\indexname}}%
7759 \begin{fullwidth}%
7760 \small%
7761 \parskip0pt%
7762 \parindent0pt%
7763 \let\item\@idxitem%
7764 \begin{multicols}{3}%
7765 }{%
7766 \end{multicols}%
7767 \end{fullwidth}%
7768 }
7769 \AtBeginDocument{%
7770 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
7771 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
7772 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
7773 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
7774 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

50 File `bidituftehyperref.sty`

```

7775 \NeedsTeXFormat{LaTeX2e}
7776 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
7777 bidi implementation of tufte hyperref]
7778 %%
7779 % Color
7780 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
7781 \newboolean{@bidituftehyperref@loadhyper}
7782 \setboolean{@bidituftehyperref@loadhyper}{true}
7783 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
7784 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
7785 \ProcessOptions
7786 %% Loads the hyperref package and sets some default options.
7787 \newcommand{\bidituftehyperrefLoadHyperref}{%
7788 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}

```




```

7789 \hypersetup{%
7790     bookmarksdepth = section,
7791     citecolor = DarkGreen,
7792     linkcolor = DarkBlue,
7793 %     pagecolor = DarkBlue,
7794     urlcolor = DarkGreen,
7795 }%
7796 }
7797 \ifthenelse{\boolean{@biditytfttehyperref@loadhyper}}{%
7798     \biditytfttehyperrefLoadHyperref%
7799 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
7800     \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
7801 }

```

51 File biditytftte.sty

```

7802 \NeedsTeXFormat{LaTeX2e}
7803 \ProvidesPackage{biditytftte}[2011/06/18 v0.1
7804     bidi implementation of tufte title]
7805 \RequirePackage{biditytools}
7806 %%
7807 % 'titlepage' option -- creates a full title page with \maketitle
7808 \newboolean{@biditytftte@titlepage}
7809 \DeclareOption{titlepage}{\setboolean{@biditytftte@titlepage}{true}}
7810 \DeclareOption{notitlepage}{\setboolean{@biditytftte@titlepage}{false}}
7811 % Default 'book' and 'handout' options
7812 \ifclassloaded{book}{%
7813     \ExecuteOptions{titlepage}}{%
7814     \ifclassloaded{article}{%
7815         \ExecuteOptions{notitlepage}}%
7816     {}
7817 \ProcessOptions
7818 %%
7819 % Modified \title, \author, and \date commands. These store the
7820 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
7821 \newcommand{\plaintitle}{}% plain-text-only title
7822 \newcommand{\plainauthor}{}% plain-text-only author
7823 \newcommand{\plainpublisher}{}% plain-text-only publisher
7824 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
7825 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
7826 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
7827 \newcommand{\@publisher}{}% full publisher with \thanks{}
7828 \newcommand{\thedate}{\today}
7829 \bidi@patch@AfterPackage{bidi}{%
7830     \renewcommand{\thanks}[1]{\footnote{#1}}
7831     \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
7832     \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
7833 }
7834 \renewcommand{\title}[2]{}%
7835 \gdef\@title{#2}%
7836 \begingroup%
7837 % TODO store contents of \thanks command
7838 \renewcommand{\thanks}[1]{}% swallow \thanks contents
7839 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents

```



```

7840 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
7841 \protected@xdef\thanklesstitle{#2}%
7842 \endgroup%
7843 \ifthenelse{\isempty{#1}}%
7844 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
7845 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
7846 \@ifundefined{hypersetup}%
7847 {}% hyperref is not loaded; do nothing
7848 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
7849 }
7850 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
7851 \renewcommand{\author}[2][]{%
7852 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
7853 \begingroup%
7854 % TODO store contents of \thanks command
7855 \renewcommand{\thanks}[1]{}% swallow \thanks contents
7856 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
7857 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
7858 \protected@xdef\thanklessauthor{#2}%
7859 \endgroup%
7860 \ifthenelse{\isempty{#1}}%
7861 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
7862 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
7863 \@ifundefined{hypersetup}%
7864 {}% hyperref is not loaded; do nothing
7865 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
7866 }
7867 \renewcommand{\date}[1]{%
7868 \gdef\@date{#1}%
7869 \begingroup%
7870 % TODO store contents of \thanks command
7871 \renewcommand{\thanks}[1]{}% swallow \thanks contents
7872 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
7873 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
7874 \protected@xdef\thedata{#1}%
7875 \endgroup%
7876 }
7877 %%
7878 % Provides a \publisher command to set the publisher
7879 \newcommand{\publisher}[2][]{%
7880 \gdef\@publisher{#2}%
7881 \begingroup%
7882 \renewcommand{\thanks}[1]{}% swallow \thanks contents
7883 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
7884 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
7885 \protected@xdef\thanklesspublisher{#2}%
7886 \endgroup%
7887 \ifthenelse{\isempty{#1}}%
7888 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
7889 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
7890 }
7891 %%
7892 % Produces a full title page
7893 \newcommand{\maketitlepage}[0]{%

```



```

7894 \cleardoublepage%
7895 {%
7896 \bfseries%
7897 \begin{fullwidth}%
7898 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
7899 \vspace{11.5pc}%
7900 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
7901 \vfill%
7902 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
7903 \end{fullwidth}%
7904 }
7905 \thispagestyle{empty}%
7906 \clearpage%
7907 }
7908 %%
7909 % Title block
7910 \bidi@AfterEndPreamble{%
7911 \renewcommand{\maketitle}{%
7912 \newpage%
7913 \global\@topnum\z@% prevent floats from being placed at the top of the page
7914 \begingroup%
7915 \setlength{\parindent}{0pt}%
7916 \setlength{\parskip}{4pt}%
7917 \let\@title\@empty%
7918 \let\@author\@empty%
7919 \let\@date\@empty%
7920 \gdef\@title{\LARGE\itshape\@title\par}%
7921 \gdef\@author{\Large\itshape\@author\par}%
7922 \gdef\@date{\Large\itshape\@date\par}%
7923 \@title%
7924 \@author%
7925 \@date%
7926 \endgroup%
7927 \thispagestyle{plain}% suppress the running head
7928 }%
7929 }
7930 %%
7931 % Title page (if the 'titlepage' option was passed to the bidentuftetitle-handout
7932 % class.)
7933 \bidi@AfterEndPreamble{%
7934 \ifthenelse{\boolean{@bidentuftetitle@titlepage}}
7935 {\renewcommand{\maketitle}{\maketitlepage}}
7936 {}
7937 }
7938 %%
7939 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
7940 % without headers and footers
7941 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
7942 \hbox{}
7943 %\vspace*{\fill}
7944 %\begin{center}
7945 % This page intentionally contains only this sentence.
7946 %\end{center}
7947 %\vspace{\fill}

```



```

7948 \thispagestyle{empty}
7949 \newpage
7950 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

52 File `biditufte-handout.cls`

```

7951 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
7952 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
7953 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
7954 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
7955 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
7956 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
7957 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
7958 \ProcessOptions\relax
7959 \LoadClass{article}
7960 \RequirePackage{bidituftefloat}
7961 \RequirePackage{bidituftesidenote}
7962 \RequirePackage{bidituftetoc}
7963 \RequirePackage{bidituftegeneralstructure}
7964 \RequirePackage{bidituftehyperref}
7965 \RequirePackage{bidituftetitle}
7966 \renewenvironment{abstract}
7967 { \begin{quotation}}
7968 { \end{quotation}}
7969 \AtBeginDocument{%
7970 \IfFileExists{biditufte-handout.cfg}
7971 { \input{biditufte-handout.cfg}
7972 \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
7973 {}%
7974 }

```

53 File `biditufte-book.cls`

```

7975 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
7976 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
7977 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
7978 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
7979 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
7980 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
7981 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
7982 \ProcessOptions\relax
7983 \LoadClass{book}
7984 \RequirePackage{bidituftefloat}
7985 \RequirePackage{bidituftesidenote}
7986 \RequirePackage{bidituftetoc}
7987 \RequirePackage{bidituftegeneralstructure}
7988 \RequirePackage{bidituftehyperref}
7989 \RequirePackage{bidituftetitle}
7990 %%
7991 % Set up any book-specific stuff now
7992 %%
7993 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
7994 % to the opening page of Chapter 1. The running heads, when they appear,
7995 % contain only the (arabic) page number in the outside corner.

```



```

7996 %\newif\if@mainmatter \@mainmattertrue
7997 \renewcommand\frontmatter{%
7998   \cleardoublepage%
7999   \@mainmatterfalse%
8000   \pagenumbering{arabic}%
8001   %\pagestyle{plain}%
8002   \fancyhf{}%
8003   \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
8004     {\fancyhead[LE,RO]{\thepage}}%
8005     {\fancyhead[RE,RO]{\thepage}}%
8006 }
8007 %%
8008 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
8009 % numbering---it continues where it left off in the front matter.
8010 \renewcommand\mainmatter{%
8011   \cleardoublepage%
8012   \@mainmattertrue%
8013   \fancyhf{}%
8014   \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
8015     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
8016     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
8017     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
8018     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
8019 }
8020 %%
8021 % The back matter contains appendices, indices, glossaries, endnotes,
8022 % bibliographies, list of contributors, illustration credits, etc.
8023 \renewcommand\backmatter{%
8024   \if@openright%
8025     \cleardoublepage%
8026   \else%
8027     \clearpage%
8028   \fi%
8029   \@mainmatterfalse%
8030 }
8031 %%
8032 % Only show the chapter titles in the table of contents
8033 \setcounter{tocdepth}{0}
8034 \AtBeginDocument{%
8035   \IfFileExists{biditytufte-book.cfg}
8036     {\input{biditytufte-book.cfg}
8037     \ClassInfo{biditytufte-book}{Loading biditytufte-book configuration file \@gobble}}
8038   {}%
8039 }

```

54 File bidipoem.sty

```

8040 \NeedsTeXFormat{LaTeX2e}
8041 \ProvidesPackage{bidipoem}%
8042 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
8043
8044 % Usage:
8045 %
8046 % \Setversedim #1#2 % define the layout (within a group):

```



```

8047 % #1 = length of both half-verses
8048 % #2 = separation distance = length of a connection, if present
8049 % Variant:
8050 % \Setversedim #1[#2]#3 % for half-verses of unequal length
8051 % #1 = length of first (=right) half-verse
8052 % #2 = length of second (=left) half-verse
8053 % #3 = separation distance = length of a connection, if present
8054 %
8055 % \traditionalhalfverses #1#2 % typeset two separated half-verses
8056 % #1 = text of first (=right) half-verse
8057 % #2 = text of second (=left) half-verse
8058 % Variant:
8059 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
8060 % #1 = text of first (=right) half-verse
8061 % #2 = text of connection
8062 % #3 = text of second (=left) half-verse
8063 %
8064 % Alternative (if preferred):
8065 %
8066 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
8067
8068
8069 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
8070
8071 % define the layout, verses will be centered
8072
8073 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
8074 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
8075
8076 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
8077 \bidipoem@hvind \textwidth
8078 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
8079 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
8080 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
8081
8082 \def \bidipoem@set@verseI [#1]{% optional parameter
8083 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
8084
8085 \newcommand*{\bidipoem@set@@verse}[1]{% separation
8086 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
8087 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
8088
8089 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
8090 \ifdim Opt > \bidipoem@hvind %
8091 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
8092 \else
8093 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
8094 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
8095 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
8096 \par }
8097
8098 % macro for two half verses
8099 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
8100 \ifx [#2\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}}}%

```



```

8101 \else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
8102 \bidipoem@half@verses@next}
8103
8104 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
8105 \traditionalconnverses {#1}{#2}{#3}}
8106
8107
8108 {\catcode\^^M=\active % these lines must end with %
8109 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
8110 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
8111 {\catcode\^^M=\active % these lines must end with %
8112 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
8113 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
8114 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
8115 \def\poemmarginskip{1em plus 1fil minus 1em}
8116 \def\poemextrabaseskip{0\baselineskip}
8117 \def\poemskip{\medskip}
8118 \newcommand{\bidipoem@openbox}{\leavevmode
8119 \hbox to.77778em{%
8120 \hfil\vrule
8121 \vbox to.675em{\hrule width.6em\vfil\hrule}%
8122 \vrule\hfil}}
8123 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
8124 \newdimen\versewidth
8125 \newtoks\bidipoem@p@ftn
8126 \def\poem@verse#1{%
8127 \ifdim\wd#1>\new@poem@width
8128 \xdef\new@poem@width{\the\wd#1}%
8129 \ifdim\new@poem@width>\poem@width
8130 \xdef\poem@width{\new@poem@width}%
8131 \global\let\poem@needrun\relax
8132 \fi
8133 \fi
8134 \hbox to\poem@width{\unhbox#1}%
8135 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
8136 }
8137 \def\poem@linebegin{\vadjust{\hskip\@flushglue\hskip\poemmarginskip\relax}
8138 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
8139 \def\poem@lineversesep{%
8140 \nobreak
8141 \hskip\z@ plus 1filll%
8142 \penalty600%
8143 \hskip\poemcolsepskip
8144 \hskip\z@ plus -2filll%
8145 \vadjust{}}%
8146 \nobreak
8147 \hskip\z@ plus 1filll%
8148 }
8149 \def\poem@lineparsebegin{%
8150 \halign\bgroup
8151 \global\setbox\verse@i=\hbox{%
8152 \let\@footnotetext\bidipoem@p@ftntext%
8153 \let\@LTrfootnotetext\bidipoem@p@LTrftntext%
8154 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%

```



```

8155 \let\@xfootnotenext\bidipoem@p@xftntext%
8156 \let\@xfootnote\bidipoem@p@xfootnote%
8157 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8158 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8159 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8160 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8161 \ignorespaces##\unskip}&&
8162 \global\setbox\verse@ii=\hbox{%
8163 \let\@footnotetext\bidipoem@p@ftntext%
8164 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8165 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8166 \let\@xfootnotenext\bidipoem@p@xftntext%
8167 \let\@xfootnote\bidipoem@p@xfootnote%
8168 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8169 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8170 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8171 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8172 \ignorespaces##\unskip}
8173 \cr
8174 }
8175 \def\poem@lineparseend{%
8176 \crr\egroup
8177 \vskip-\baselineskip
8178 }
8179 \def\traditionalpoem@cr{%
8180 \cr\poem@line
8181 }
8182 \newbox\verse@i
8183 \newbox\verse@ii
8184 \newif\ifpoem@started
8185
8186 \def\poem@line{%
8187 \poem@lineparseend
8188 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
8189 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
8190 \ifpoem@started
8191 \ifdim\wd\verse@ii>\z@\else
8192 \nopagebreak[3]
8193 \fi
8194 \leavevmode
8195 \poem@linebegin
8196 \poem@verse\verse@i
8197 \ifdim\wd\verse@ii>\z@
8198 \poem@lineversesep
8199 \poem@verse\verse@ii
8200 \fi
8201 \poem@lineend
8202 % \nopagebreak
8203 \par
8204 \vskip\poemextrabaselineskip
8205 \fi
8206 \poem@lineparsebegin
8207 }
8208 \def\@traditionalpoem{%

```




```

8209 \stepcounter{poem@no}
8210         \ifnum\max@poem@no<\number\c@poem@no%
8211 \xdef\poem@width{\z@}%
8212         \else
8213 \xdef\poem@width{\poem@prop{poem@width}}%
8214 \fi
8215 \xdef\new@poem@width{\z@}%
8216 \global\versewidth=\poem@width
8217 \poemskip\par
8218 \begingroup
8219 \tabskip=\z@
8220 \parskip=\z@
8221 \parindent=\z@
8222 \parfillskip=\z@
8223 \rightskip=\z@
8224 \leftskip=\z@
8225 \widowpenalty=10000% No break between verses of the same line.
8226 \clubpenalty=10000% Same as above. Not really needed.
8227 \def\newblock{\hfil\poemblocksep\hfil\null}%
8228 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
8229 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
8230 \global\poem@startedfalse
8231 \csname poem@obeylines\endcsname
8232 \let\poem@obeylines\relax
8233 \poem@lineparsebegin
8234 }
8235 \def\endtraditionalpoem{%
8236 \cr
8237 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
8238 \noalign{%
8239 \skip0=\poemextrabaselineskip
8240 \vskip-\skip0
8241 \vskip-\baselineskip
8242 }%
8243 \fi\fi
8244 \poem@lineparseend
8245 \endgroup
8246 \par
8247 \vskip\baselineskip
8248 \poemskip
8249 \ifdim\new@poem@width<\poem@width
8250 \global\let\poem@needrun\relax
8251 \fi
8252         \poem@write@aux{poem@width@romannumeral\c@poem@no}{\new@poem@width}%
8253 \ifx\AtEndDocument\undefined\poem@finish\fi
8254 \@endparenv
8255 }
8256
8257
8258 \long\def\bidipoem@p@ftntext#1{%
8259 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
8260 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
8261 \long\def\bidipoem@p@LTRftntext#1{%
8262 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}

```



```

8263 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
8264 \long\def\bidipoem@p@RTLftntext#1{%
8265 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@%mpfn\endcsname
8266 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
8267
8268 \long\def\bidipoem@p@xftntext[#1]#2{%
8269 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
8270
8271 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
8272 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
8273
8274 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
8275 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
8276
8277 \def\bidipoem@p@xfootnote[#1]{%
8278 \begingroup
8279 \csname c@%mpfn\endcsname #1\relax
8280 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8281 \endgroup
8282 \@footnotemark\bidipoem@p@xftntext[#1]}
8283
8284 \def\bidipoem@p@xLTRfootnote[#1]{%
8285 \begingroup
8286 \csname c@%mpfn\endcsname #1\relax
8287 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8288 \endgroup
8289 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
8290
8291 \def\bidipoem@p@xRTLfootnote[#1]{%
8292 \begingroup
8293 \csname c@%mpfn\endcsname #1\relax
8294 \unrestored@protected@xdef\@thefnmark{\thempfn}%
8295 \endgroup
8296 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
8297
8298
8299
8300 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
8301 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obey
8302 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
8303 \def\poem@finish{%
8304 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
8305 \ifx\poem@needrun\relax
8306 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
8307 \global\let\poem@needrun\undefined
8308 \fi
8309 }
8310 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
8311 \newcounter{poem@no}\setcounter{poem@no}{\z@}
8312 \ifx\max@poem@no\undefined
8313 \def\max@poem@no{0}%
8314 \fi
8315 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
8316 \newcommand{\poem@write@aux}[2]{%

```



```

8317         \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
8318         \@x
8319     }
8320 \def\@modernpoem{%
8321 \par
8322 \begingroup
8323 \parskip=\z@
8324 \parindent=\z@
8325 \def\[\{\@settab\@tabplus\ignorespaces}%
8326 \def\]\{\@tabminus\ignorespaces}%
8327 \def\newblock{\poemblocksep}%
8328 \let\newpoem@tabcr\@tabcr
8329 \def\modernpoem@par{% Redefine \par for possible \obeylines
8330 \ifpoem@started\else
8331 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
8332 \stopfield
8333 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
8334 \contfield
8335 \fi
8336 \fi
8337 \ifpoem@started\newpoem@tabcr\fi}%
8338 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
8339 \global\poem@startedfalse
8340 \csname poem@obeylines\endcsname
8341 \let\poem@obeylines\relax
8342 \begin{tabbing}%
8343 }
8344 \def\@endmodernpoem{%
8345 \global\poem@startedfalse
8346 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
8347 \stopfield
8348 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
8349 \contfield
8350 \fi
8351 \ifpoem@started\else\let\stopline\stopfield\fi
8352 \end{tabbing}%
8353 \endgroup
8354 \par
8355 \if@nparlist \else
8356 \ifdim\lastskip >\z@
8357 \tempkipa\lastskip \vskip -\lastskip
8358 \advance\tempkipa\parskip \advance\tempkipa -\outerparskip
8359 \vskip\tempkipa
8360 \fi
8361 \endparenv
8362 \fi
8363 }
8364 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
8365 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
8366 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
8367 \gdef\@startfield{%
8368 \global\setbox\@curfield\hbox\bgroup%
8369 \let\@footnotetext\bidipoem@p@ftntext%
8370 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%

```



```

8371 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8372 \let\@xfootnotenext\bidipoem@p@xftntext%
8373 \let\@xfootnote\bidipoem@p@xfootnote%
8374 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8375 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8376 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8377 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8378 \color@begingroup}
8379 \gdef\@stopfield{%
8380   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
8381 \gdef\@contfield{%
8382   \global\setbox\@curfield\hbox\bgroup%
8383   \let\@footnotetext\bidipoem@p@ftntext%
8384   \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
8385   \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
8386   \let\@xfootnotenext\bidipoem@p@xftntext%
8387   \let\@xfootnote\bidipoem@p@xfootnote%
8388   \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
8389   \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
8390   \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
8391   \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
8392   \color@begingroup\unhbox\@curfield}

```

55 File boek3-xetex-bidi.def

```

8393 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeT
8394 \renewenvironment{theindex}{%
8395   \if@twocolumn
8396     \@restonecolfalse
8397   \else
8398     \@restonecoltrue
8399   \fi
8400   \columnseprule \z@
8401   \columnsep 35\p@
8402   \twocolumn[\@makeschapterhead{\indexname}]%
8403   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
8404   \thispagestyle{plain}\parindent\z@
8405   \parskip\z@ \@plus .3\p@\relax
8406   \let\item\@idxitem
8407 }{%
8408   \if@restonecol\onecolumn\else\clearpage\fi}
8409 \renewcommand*\head@style{%
8410   \interlinepenalty \@M
8411   \hyphenpenalty=\@M \exhyphenpenalty=\@M
8412   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
8413 \renewcommand*\@regtocline[3]{%
8414   \ifnum #1>\c@tocdepth
8415     \else
8416       \vskip\z@\@plus .2\p@
8417       {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
8418         \if@RTL\rightskip\else\leftskip\fi\unitindent
8419         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
8420         \parfillskip\z@
8421         \@tempdima\unitindent

```



```

8422 \parindent\z@
8423 \leavevmode
8424 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
8425 \hskip 1em \nobreak{\slshape #3}\par
8426 }%
8427 \fi}
8428 \if@oldtoc
8429 \renewcommand*\l@part[2]{%
8430 \ifnum \c@tocdepth >-2\relax
8431 \addpenalty{-\@highpenalty}%
8432 \addvspace{2.25em \@plus\p@}%
8433 \begingroup
8434 \setlength\@tempdima{3em}%
8435 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8436 \parfillskip -\@pnumwidth
8437 {\leavevmode
8438 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8439 \nobreak
8440 \global\@nobreaktrue
8441 \everypar{\global\@nobreakfalse\everypar{}}%
8442 \endgroup
8443 \fi}
8444 \else
8445 \renewcommand*\l@part{%
8446 \ifnum \c@tocdepth >-2\relax
8447 \addpenalty{-\@highpenalty}%
8448 \addvspace{2.25em \@plus \p@}%
8449 \@regtocline{0}%
8450 \fi}
8451 \fi
8452 \if@oldtoc
8453 \renewcommand*\l@chapter[2]{%
8454 \addpenalty{-\@highpenalty}%
8455 \vskip 1.0em \@plus\p@
8456 \setlength\@tempdima{1.5em}%
8457 \begingroup
8458 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8459 \parfillskip -\@pnumwidth
8460 \leavevmode \bfseries
8461 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8462 \hskip -\if@RTL\rightskip\else\leftskip\fi
8463 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8464 \penalty\@highpenalty
8465 \endgroup}
8466 \else
8467 \renewcommand*\l@chapter{\@regtocline{0}}
8468 \fi
8469 \renewenvironment{abstract}{%
8470 \titlepage
8471 \null\vfil
8472 \section*{\SectFont \abstractname}
8473 \noindent\ignorespaces}
8474 {\par\vfil\null\endtitlepage}
8475 \renewenvironment{thebibliography}[1]

```



```

8476 {\chapter*{\bibname}%
8477 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
8478 \if@RTL\if@LTRbibitems@RTLfalse\else\fi\else\if@RTLbibitems@RTLtrue\else\fi\fi
8479 \bidi@thebibliography@font@hook%
8480 \list{\@biblabel{\@arabic\c@enumiv}}%
8481 {\settowidth\labelwidth{\@biblabel{#1}}%
8482 \leftmargin\labelwidth
8483 \advance\leftmargin\labelsep
8484 \@openbib@code
8485 \usecounter{enumiv}%
8486 \let\p@enumiv\@empty
8487 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
8488 \sloppy\clubpenalty4000\widowpenalty4000%
8489 \sfcode`. \.\@m}
8490 {\def\@noitemerr
8491 {\@latex@warning{Empty `thebibliography' environment}}}%
8492 \endlist}
8493 \renewcommand*\left@footnoterule{%
8494 \kern-3\p@
8495 \kern.5\baselineskip
8496 \hrule\@width\unitindent
8497 \kern.4\baselineskip
8498 }
8499 \renewcommand*\right@footnoterule{%
8500 \kern-3\p@
8501 \kern.5\baselineskip
8502 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
8503 \kern.4\baselineskip}
8504 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
8505 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
8506 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
8507 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
8508 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
8509 \renewcommand*\theequation{%
8510 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
8511 \renewcommand*\thefigure{%
8512 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
8513 \renewcommand*\thetable{%
8514 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
8515 \renewcommand*\maketitle{%
8516 \begin{titlepage}%
8517 \let\footnotesize\small
8518 \let\right@footnoterule\relax
8519 \let\left@footnoterule\relax
8520 \let\textwidth\footnoterule\relax
8521 \let \footnote \thanks
8522 \long\def\@makefnitem##1{\parindent\z@
8523 \def\labelitemi{\textendash}\@revlabeltrue
8524 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
8525 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
8526 \if@compatibility\setcounter{page}{0}\fi
8527 \null\vfil
8528 \vskip 60\p@
8529 \begin{center}%

```



```

8530 \TitleFont
8531 {\LARGE \def\\{\penalty -\@M}
8532 \if@allcaps
8533 \expandafter\uc@nothanks\@title\thanks\relax
8534 \else
8535 \@title
8536 \fi\par}%
8537 \vskip 3em%
8538 {\large
8539 \lineskip .75em \parindent\z@
8540 \begin{tabular}[t]{c}%
8541 \if@allcaps
8542 \expandafter\uc@authornothanks\@author\and\relax
8543 \else
8544 \@author
8545 \fi
8546 \end{tabular}\par}%
8547 \vskip 1.5em%
8548 {\large
8549 \if@allcaps
8550 \uppercase\expandafter{\@date}%
8551 \else
8552 \@date
8553 \fi\par}%
8554 \end{center}\par
8555 \@thanks
8556 \vfil\null
8557 \end{titlepage}%
8558 \setcounter{footnote}{0}%
8559 \global\let\thanks\relax
8560 \global\let\maketitle\relax
8561 \global\let\@thanks\@empty
8562 \global\let\@author\@empty
8563 \global\let\@title\@empty
8564 \global\let\@date\@empty
8565 \global\let\title\relax
8566 \global\let\author\relax
8567 \global\let\date\relax
8568 \global\let\and\relax
8569 }

```

56 File boek-xetex-bidi.def

```

8570 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
8571 \renewenvironment{theindex}{%
8572 \if@twocolumn
8573 \@restonecolfalse
8574 \else
8575 \@restonecoltrue
8576 \fi
8577 \columnseprule \z@
8578 \columnsep 35\p@
8579 \twocolumn[\@makeschapterhead{\indexname}]%
8580 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%

```



```

8581 \thispagestyle{plain}\parindent\z@
8582 \parskip\z@ \@plus .3\p@ \relax
8583 \let\item\@idxitem
8584 }{%
8585 \if@restonecol\onecolumn\else\clearpage\fi}
8586 \renewcommand*\head@style{%
8587   \interlinepenalty \@M
8588   \hyphenpenalty=\@M \exhyphenpenalty=\@M
8589   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
8590 \renewcommand*\@regtocline[3]{%
8591   \ifnum #1>\c@tocdepth
8592   \else
8593     \vskip\z@ \@plus.2\p@
8594     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
8595      \if@RTL\rightskip\else\leftskip\fi\unitindent
8596      \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
8597      \parfillskip\z@
8598      \@tempdima\unitindent
8599      \parindent\z@
8600      \leavevmode
8601      \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
8602      \hskip 1em \nobreak{\slshape #3}\par
8603     }%
8604   \fi}
8605 \if@oldtoc
8606 \renewcommand*\l@part[2]{%
8607   \ifnum \c@tocdepth >-2\relax
8608     \addpenalty{-\@highpenalty}%
8609     \addvspace{2.25em \@plus\p@}%
8610     \begingroup
8611       \setlength\@tempdima{3em}%
8612       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8613       \parfillskip -\@pnumwidth
8614       {\leavevmode
8615        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8616        \nobreak
8617        \global\@nobreaktrue
8618        \everypar{\global\@nobreakfalse\everypar{}}%
8619      \endgroup
8620   \fi}
8621 \else
8622 \renewcommand*\l@part{%
8623   \ifnum \c@tocdepth >-2\relax
8624     \addpenalty{-\@highpenalty}%
8625     \addvspace{2.25em \@plus \p@}%
8626     \@regtocline{0}%
8627   \fi}
8628 \fi
8629 \if@oldtoc
8630 \renewcommand*\l@chapter[2]{%
8631   \addpenalty{-\@highpenalty}%
8632   \vskip 1.0em \@plus\p@
8633   \setlength\@tempdima{1.5em}%
8634   \begingroup

```




```

8635 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8636 \parfillskip -\@pnumwidth
8637 \leavevmode \bfseries
8638 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
8639 \hskip -\if@RTL\rightskip\else\leftskip\fi
8640 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8641 \penalty\@highpenalty
8642 \endgroup}
8643 \else
8644 \renewcommand*\l@chapter{\@regtocline{0}}
8645 \fi
8646 \renewcommand*\left@footnoterule{%
8647 \kern-3\p@
8648 \kern.5\baselineskip
8649 \hrule\@width\unitindent
8650 \kern.4\baselineskip
8651 }
8652 \renewcommand*\right@footnoterule{%
8653 \kern-3\p@
8654 \kern.5\baselineskip
8655 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
8656 \kern.4\baselineskip}
8657 \renewenvironment{abstract}{%
8658 \titlepage
8659 \null\vfil
8660 \section*{\SectFont \abstractname}
8661 \noindent\ignorespaces}
8662 {\par\vfil\null\endtitlepage}
8663 \renewenvironment{thebibliography}[1]
8664 {\chapter*{\bibname}%
8665 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
8666 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8667 \bidi@thebibliography@font@hook%
8668 \list{\@biblabel{\@arabic\c@enumiv}}%
8669 {\settowidth\labelwidth{\@biblabel{#1}}%
8670 \leftmargin\labelwidth
8671 \advance\leftmargin\labelsep
8672 \@openbib@code
8673 \usecounter{enumiv}%
8674 \let\p@enumiv\@empty
8675 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
8676 \sloppy\clubpenalty4000\widowpenalty4000%
8677 \sfcode\.\@m}
8678 {\def\@noitemerr
8679 {\@latex@warning{Empty `thebibliography' environment}}}%
8680 \endlist}
8681 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
8682 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
8683 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
8684 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
8685 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
8686 \renewcommand*\theequation{%
8687 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
8688 \renewcommand*\thefigure{%

```



```

8689 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
8690 \renewcommand*\thetable{%
8691 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
8692 \renewcommand*\maketitle{%
8693 \begin{titlepage}%
8694 \let\footnotesize\small
8695 \let\right@footnoterule\relax
8696 \let\left@footnoterule\relax
8697 \let\textwidth\footnoterule\relax
8698 \let \footnote \thanks
8699 \long\def\@makefnmark##1{\parindent\z@
8700 \def\labelitemi{\textendash}\@revlabeltrue
8701 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
8702 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
8703 \if@compatibility\setcounter{page}{0}\fi
8704 \null\vfil
8705 \vskip 60\p@
8706 \begin{center}%
8707 \TitleFont
8708 {\LARGE \def\\{\penalty -\@M}
8709 \if@allcaps
8710 \expandafter\uc@nothanks\@title\thanks\relax
8711 \else
8712 \@title
8713 \fi\par}%
8714 \vskip 3em%
8715 {\large
8716 \lineskip .75em \parindent\z@
8717 \begin{tabular}[t]{c}%
8718 \if@allcaps
8719 \expandafter\uc@authornothanks\@author\and\relax
8720 \else
8721 \@author
8722 \fi
8723 \end{tabular}\par}%
8724 \vskip 1.5em%
8725 {\large
8726 \if@allcaps
8727 \uppercase\expandafter{\@date}%
8728 \else
8729 \@date
8730 \fi\par}%
8731 \end{center}\par
8732 \@thanks
8733 \vfil\null
8734 \end{titlepage}%
8735 \setcounter{footnote}{0}%
8736 \global\let\thanks\relax
8737 \global\let\maketitle\relax
8738 \global\let\@thanks\@empty
8739 \global\let\@author\@empty
8740 \global\let\@title\@empty
8741 \global\let\@date\@empty
8742 \global\let\title\relax

```



```

8743 \global\let\author\relax
8744 \global\let\date\relax
8745 \global\let\and\relax
8746 }

```

57 File bookest-xetex-bidi.def

```

8747 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
8748 \def\@makechapterhead#1{%
8749 \vspace*{20\p@}
8750 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8751 \ifnum \c@secnumdepth >\m@ne
8752 \if@mainmatter
8753 {\colorA\huge\scshape \@chapapp\space \thechapter}
8754 \par\nobreak
8755 \vskip 10\p@
8756 \fi
8757 \fi
8758 \interlinepenalty\@M
8759 {\colorB\hrule}
8760 \vskip 15\p@
8761 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
8762 {\colorA\Huge \bfseries #1}\par\nobreak
8763 \if@RTL\end{flushleft}\else\end{flushright}\fi
8764 \vskip 5\p@
8765 {\colorB\hrule}
8766 \vskip 30\p@
8767 }}
8768 \def\@makeschapterhead#1{%
8769 \vspace*{20\p@}
8770 {\parindent \z@ \raggedright \normalfont
8771 {\colorB\hrule}
8772 \vskip 15\p@
8773 \begin{center}
8774 {\colorA\Huge \bfseries #1}\par\nobreak
8775 \end{center}
8776 \vskip 5\p@
8777 {\colorB\hrule}
8778 \vskip 30\p@
8779 }}

```

58 File book-xetex-bidi.def

```

8780 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class
8781 \renewenvironment{theindex}
8782 {\if@twocolumn
8783 \restonecolfalse
8784 \else
8785 \restonecoltrue
8786 \fi
8787 \columnseprule \z@
8788 \columnsep 35\p@
8789 \twocolumn[\@makeschapterhead{\indexname}]%
8790 \mkboth{\MakeUppercase\indexname}%

```



```

8791             {\MakeUppercase\indexname}%
8792             \thispagestyle{plain}\parindent\z@
8793             \parskip\z@ \@plus .3\p@\relax
8794             \let\item\@idxitem}
8795         {\if@restonecol\onecolumn\else\clearpage\fi}
8796 \@ifclassloaded{bookest}{-}{%
8797   \if@titlepage
8798     \renewcommand\maketitle{\begin{titlepage}%
8799       \let\footnotesize\small
8800       \let\right@footnoterule\relax
8801       \let\left@footnoterule\relax
8802       \let\textwidth\footnoterule\relax
8803       \let \footnote \thanks
8804       \let \LTRfootnote \LTRthanks
8805       \let \RTLfootnote \RTLthanks
8806       \null\vfil
8807       \vskip 60\p@
8808       \begin{center}%
8809         {\LARGE \@title \par}%
8810         \vskip 3em%
8811         {\large
8812           \lineskip .75em%
8813           \begin{tabular}[t]{c}%
8814             \@author
8815           \end{tabular}\par}%
8816           \vskip 1.5em%
8817           {\large \@date \par}%           % Set date in \large size.
8818       \end{center}\par
8819       \@thanks
8820       \vfil\null
8821     \end{titlepage}%
8822     \setcounter{footnote}{0}%
8823     \global\let\thanks\relax
8824     \global\let\LTRthanks\relax
8825     \global\let\RTLthanks\relax
8826     \global\let\maketitle\relax
8827     \global\let\@thanks\@empty
8828     \global\let\@author\@empty
8829     \global\let\@date\@empty
8830     \global\let\@title\@empty
8831     \global\let\title\relax
8832     \global\let\author\relax
8833     \global\let\date\relax
8834     \global\let\and\relax
8835   }
8836 \else
8837   \renewcommand\maketitle{\par
8838     \begingroup
8839       \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8840       \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8841       \long\def\@makefntext##1{\parindent 1em\noindent
8842         \hb@xt@1.8em{%
8843           \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8844       \if@twocolumn

```



```

8845     \ifnum \col@number=\@ne
8846         \@maketitle
8847     \else
8848         \twocolumn[\@maketitle]%
8849     \fi
8850 \else
8851     \newpage
8852     \global\@topnum\z@    % Prevents figures from going at top of page.
8853     \@maketitle
8854 \fi
8855 \thispagestyle{plain}\@thanks
8856 \endgroup
8857 \setcounter{footnote}{0}%
8858 \global\let\thanks\relax
8859 \global\let\LTRthanks\relax
8860 \global\let\RTLthanks\relax
8861 \global\let\maketitle\relax
8862 \global\let\@maketitle\relax
8863 \global\let\@thanks\@empty
8864 \global\let\@author\@empty
8865 \global\let\@date\@empty
8866 \global\let\@title\@empty
8867 \global\let\title\relax
8868 \global\let\author\relax
8869 \global\let\date\relax
8870 \global\let\and\relax
8871 }
8872 \def\@maketitle{%
8873     \newpage
8874     \null
8875     \vskip 2em%
8876     \begin{center}%
8877         \let \footnote \thanks
8878         \let \LTRfootnote \LTRthanks
8879         \let \RTLfootnote \RTLthanks
8880         {\LARGE \@title \par}%
8881         \vskip 1.5em%
8882         {\large
8883             \lineskip .5em%
8884             \begin{tabular}[t]{c}%
8885                 \@author
8886             \end{tabular}\par}%
8887         \vskip 1em%
8888         {\large \@date}%
8889     \end{center}%
8890     \par
8891     \vskip 1.5em}
8892 \fi}
8893 \renewcommand*\l@part[2]{%
8894     \ifnum \c@tocdepth >-2\relax
8895         \addpenalty{-\@highpenalty}%
8896         \addvspace{2.25em \@plus\p}%
8897         \setlength\@tempdima{3em}%
8898         \begin{group}

```



```

8899     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8900     \parfillskip -\@pnumwidth
8901     {\leavevmode
8902     \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8903     \nobreak
8904     \global\@nobreaktrue
8905     \everypar{\global\@nobreakfalse\everypar{}}%
8906 \endgroup
8907 \fi}
8908 \renewcommand*\l@chapter[2]{%
8909 \ifnum \c@tocdepth >\m@ne
8910 \addpenalty{-\@highpenalty}%
8911 \vskip 1.0em \@plus\p@
8912 \setlength\@tempdima{1.5em}%
8913 \begingroup
8914 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8915 \parfillskip -\@pnumwidth
8916 \leavevmode \bfseries
8917 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8918 \hskip -\if@RTL\rightskip\else\leftskip\fi
8919 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8920 \penalty\@highpenalty
8921 \endgroup
8922 \fi}
8923 \renewcommand\left@footnoterule{%
8924 \kern-3\p@
8925 \hrule\@width.4\columnwidth
8926 \kern2.6\p@}
8927 \renewcommand\right@footnoterule{%
8928 \kern-3\p@
8929 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8930 \kern2.6\p@}
8931 \renewcommand\theequation
8932 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8933 \renewcommand \thefigure
8934 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8935 \renewcommand \thetable
8936 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8937 \renewcommand \thechapter {\@arabic\c@chapter}
8938 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8939 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8940 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8941 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8942 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8943 \def\@makechapterhead#1{%
8944 \vspace*{50\p@}%
8945 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8946 \ifnum \c@secnumdepth >\m@ne
8947 \if@mainmatter
8948 \huge\bfseries \@chapapp\space \thechapter
8949 \par\nobreak
8950 \vskip 20\p@
8951 \fi
8952 \fi}

```



```

8953 \interlinepenalty\@M
8954 \Huge \bfseries #1\par\nobreak
8955 \vskip 40\p@
8956 }}
8957 \def\@makeschapterhead#1{%
8958 \vspace*{50\p@}%
8959 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8960 \normalfont
8961 \interlinepenalty\@M
8962 \Huge \bfseries #1\par\nobreak
8963 \vskip 40\p@
8964 }}
8965 \renewcommand\backmatter{%
8966 \if@openright
8967 \cleardoublepage
8968 \else
8969 \clearpage
8970 \fi
8971 \@mainmatterfalse}
8972 \renewenvironment{thebibliography}[1]
8973 {\chapter*{\bibname}%
8974 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
8975 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8976 \bidi@thebibliography@font@hook%
8977 \list{\@biblabel{\@arabic\c@enumiv}}%
8978 {\settowidth\labelwidth{\@biblabel{#1}}%
8979 \leftmargin\labelwidth
8980 \advance\leftmargin\labelsep
8981 \@openbib@code
8982 \usecounter{enumiv}%
8983 \let\p@enumiv\@empty
8984 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8985 \sloppy
8986 \clubpenalty4000
8987 \@clubpenalty \clubpenalty
8988 \widowpenalty4000%
8989 \sfcode\.\@m}
8990 {\def\@noitemerr
8991 {\@latex@warning{Empty `thebibliography' environment}}}%
8992 \endlist}

```

59 File breqn-xetex-bidi.def

```

8993 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for X
8994 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
8995 \everydisplay\expandafter{\the\everydisplay \display@setup}%
8996 \if@noskipsec \leavevmode \fi
8997 \if@inlabel \leavevmode \global\@inlabelfalse \fi
8998 \if\eq@group\else\eq@prelim\fi
8999 \setkeys{breqn}{#1}%
9000 \the\eqstyle
9001 \eq@setnumber
9002 \begingroup
9003 \eq@setup@a

```



```

9004 \eq@startup
9005 }
9006 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
9007 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
9008 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
9009 \global\let\GRP@label\@empty
9010 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
9011 \global\grp@linewidth\z@\global\grp@wdNum\z@
9012 \global\let\grp@eqs@numbered\@False
9013 \global\let\grp@aligned\@True
9014 \global\let\grp@shiftnumber\@False
9015 \eq@prelim
9016 \setkeys{breqn}{#1}%
9017 \if\grp@hasNumber \grp@setnumber \fi
9018 }
9019 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
9020 \let\display@setup\dseries@display@setup
9021 % Question: should this be the default for dseries???
9022 \global\eq@wdCond\z@
9023 \@dmath[layout={M},#1]%
9024 \mathsurround\z@\@math \penalty\@Mi
9025 \let\endmath\ends@math
9026 \def\premath{%
9027 \ifdim\lastskip<.3em \unskip
9028 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
9029 }%
9030 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
9031 \ignorespaces
9032 }
9033 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
9034 \renewenvironment{dsuspend}{-}%
9035 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
9036 \parshape 1 \displayindent \displaywidth\relax
9037 \hsize=\columnwidth \noindent\ignorespaces
9038 }{%
9039 \par\egroup
9040 \global\setbox\GRP@box\vbox{%
9041 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
9042 \unvbox\GRP@box
9043 }%
9044 \global\GRP@queue\@xp{\the\GRP@queue
9045 \@elt{\let\eq@isIntertext\@True}}%
9046 }%
9047 }

```

60 File cals-xetex-bidi.def

```

9048 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeT
9049 \renewcommand\cals@setup@alignment[1]{%
9050 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
9051 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
9052 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
9053 }
9054 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}

```




```

9055 \renewenvironment{calstable}[1][\cals@table@alignment]{%
9056 \if@RTLtab\cals@activate@rtl\fi
9057 \let\cals@thead@tokens=\relax
9058 \let\cals@tfoot@tokens=\relax
9059 \let\cals@tbreak@tokens=\relax
9060 \cals@tfoot@height=0pt \relax
9061 \let\cals@last@context=n%
9062 \let\cals@current@context=b%
9063 \parindent=0pt \relax%
9064 \cals@setup@alignment{#1}%
9065 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohszsize%
9066 %% Alignment inside is independent on center/flushright outside
9067 \parfillskip=0pt plus1fil\relax
9068 \let\cals@borderL=\relax
9069 \let\cals@borderR=\relax
9070 \let\cals@borderT=\relax
9071 \let\cals@borderB=\relax
9072 \setbox\cals@backup@row=\box\voidb@x\relax
9073 \cals@AtBeginTable
9074 }{% End of the table
9075 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
9076 \renewcommand\alignL{%
9077 \if@RTLtab
9078 \cals@vfillAdd\cals@paddingL
9079 \else
9080 \cals@vfillDrop\cals@paddingL
9081 \fi
9082 \cals@vfillDrop\cals@paddingR}
9083 \renewcommand\alignR{%
9084 \if@RTLtab
9085 \cals@vfillDrop\cals@paddingL
9086 \else
9087 \cals@vfillAdd\cals@paddingL
9088 \fi
9089 \cals@vfillDrop\cals@paddingR}

```

61 File caption-xetex-bidi.def

```

9090 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package f
9091 \let\@makecaption\caption@makecaption

```

62 File caption3-xetex-bidi.def

```

9092 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
9093 \renewcommand*\caption@{par}%
9094 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

63 File colortbl-xetex-bidi.def

```

9095 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
9096 \def\CT@setup{%
9097 \@tempdimb\col@sep
9098 \@tempdimc\col@sep
9099 \def\CT@color{%

```



```

9100 \global\let\CT@do@color\CT@do@color
9101 \bidicolor}}
9102 \def\@classz{\@classx
9103 \@tempcnta \count@
9104 \prepnext@tok
9105 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
9106 \@addtopreamble{\if@RTLtab\beginL\fi%
9107 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
9108 \ifcase \@chnum
9109 \hskip\stretch{.5}\kern\z@
9110 \dollarbegin
9111 \insert@column
9112 \dollarend\hskip\stretch{.5}\or
9113 \dollarbegin \insert@column \dollarend \hfill \or
9114 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
9115 $\vcenter
9116 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
9117 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
9118 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
9119 \fi
9120 \if@RTLtab\endR\fi\egroup\egroup
9121 \begingroup
9122 \CT@setup
9123 \CT@column@color
9124 \CT@row@color
9125 \CT@cell@color
9126 \CT@do@color
9127 \endgroup
9128 \@tempdima\ht\z@
9129 \advance\@tempdima\minrowclearance
9130 \vrule\@height\@tempdima\@width\z@
9131 \unhbox\z@\if@RTLtab\endL\fi}%
9132 \prepnext@tok}

```

64 File color-xetex-bidi.def

```

9133 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for X
9134 \long\def\color@b@x#1#2#3{%
9135 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
9136 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
9137 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
9138 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
9139 \ifx\color@block{\wd\z@}\ifx\color@block{\ht\z@}\ifx\color@block{\dp\z@}%
9140 \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
9141 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi
9142 \DeclareRobustCommand\color{%
9143 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}%
9144 \def\@declaredcolor#1{%
9145 \@ifundefined{string\color @#1}%
9146 {\color@error{`#1'}}%
9147 {\expandafter\let\expandafter\current@color
9148 \csname\string\color @#1\endcsname
9149 \set@color}%
9150 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}

```



```

9151 \def\@undeclaredcolor[#1]#2{%
9152   \@ifundefined{color@#1}%
9153     {\c@lor@error{model `#1'}}%
9154     {\csname color@#1\endcsname\current@color{#2}%
9155       \set@color}%
9156   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
9157 \DeclareRobustCommand\bidicolor{%
9158   \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
9159 \def\@bidiundeclaredcolor[#1]#2{%
9160   \@ifundefined{color@#1}%
9161     {\c@lor@error{model `#1'}}%
9162     {\csname color@#1\endcsname\current@color{#2}%
9163       \set@color}%
9164   \ignorespaces}
9165 \def\@bidideclaredcolor#1{%
9166   \@ifundefined{\string\color @#1}%
9167     {\c@lor@error{`#1'}}%
9168     {\expandafter\let\expandafter\current@color
9169       \csname\string\color @#1\endcsname
9170       \set@color}%
9171   \ignorespaces}
9172 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
9173 \def\color@fbox#1#2#3{%
9174   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
9175 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmod

```

65 File combine-xetex-bidi.def

```

9176 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
9177 \renewcommand{\c@ll@chapsecii}[2]{%
9178   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
9179   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
9180   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
9181 }
9182 \renewcommand{\c@ll@chapseci}{%
9183   \setlength\@tempdima{0em}%
9184   \begingroup
9185     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
9186     \parfillskip -\@pnumwidth
9187     \leavevmode
9188 }
9189 \renewenvironment{tocindent}[1]{%
9190   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{

```

66 File crop-xetex-bidi.def

```

9191 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeT
9192 \renewcommand*\CROP@ulc{%
9193   \if@RTLmain%
9194     \begin{picture}(0,0)
9195       \unitlength\p@\thinline
9196       \put(-40,0){\circle{10}}
9197       \put(-30,-5){\line(0,1){10}}
9198       \put(-35,0){\line(1,0){30}}

```



```

9199         \put(-10,30){\circle{10}}
9200         \put(-5,30){\line(1,0){10}}
9201         \put(0,35){\line(0,-1){30}}
9202     \end{picture}%
9203 \else%
9204     \begin{picture}(0,0)
9205         \unitlength\p@\thinline
9206         \put(-30,0){\circle{10}}
9207         \put(-30,-5){\line(0,1){10}}
9208         \put(-35,0){\line(1,0){30}}
9209         \put(0,30){\circle{10}}
9210         \put(-5,30){\line(1,0){10}}
9211         \put(0,35){\line(0,-1){30}}
9212     \end{picture}%
9213 \fi%
9214 }
9215 \renewcommand*\CROP@urc{%
9216     \if@RTLmain%
9217         \begin{picture}(0,0)
9218             \unitlength\p@\thinline
9219             \put(20,0){\circle{10}}
9220             \put(30,-5){\line(0,1){10}}
9221             \put(35,0){\line(-1,0){30}}
9222             \put(-10,30){\circle{10}}
9223             \put(-5,30){\line(1,0){10}}
9224             \put(0,35){\line(0,-1){30}}
9225         \end{picture}%
9226     \else%
9227         \begin{picture}(0,0)
9228             \unitlength\p@\thinline
9229             \put(30,0){\circle{10}}
9230             \put(30,-5){\line(0,1){10}}
9231             \put(35,0){\line(-1,0){30}}
9232             \put(0,30){\circle{10}}
9233             \put(-5,30){\line(1,0){10}}
9234             \put(0,35){\line(0,-1){30}}
9235         \end{picture}%
9236     \fi%
9237 }
9238 \renewcommand*\CROP@llc{%
9239     \if@RTLmain%
9240         \begin{picture}(0,0)
9241             \unitlength\p@\thinline
9242             \put(-40,0){\circle{10}}
9243             \put(-30,-5){\line(0,1){10}}
9244             \put(-35,0){\line(1,0){30}}
9245             \put(-10,-30){\circle{10}}
9246             \put(-5,-30){\line(1,0){10}}
9247             \put(0,-35){\line(0,1){30}}
9248         \end{picture}%
9249     \else%
9250         \begin{picture}(0,0)
9251             \unitlength\p@\thinline
9252             \put(-30,0){\circle{10}}

```



```

9253      \put(-30,-5){\line(0,1){10}}
9254      \put(-35,0){\line(1,0){30}}
9255      \put(0,-30){\circle{10}}
9256      \put(-5,-30){\line(1,0){10}}
9257      \put(0,-35){\line(0,1){30}}
9258  \end{picture}%
9259  \fi%
9260 }
9261 \renewcommand*\CROP@lrc{%
9262   \if@RTLmain%
9263     \begin{picture}(0,0)
9264       \unitlength\p@\thinline
9265       \put(20,0){\circle{10}}
9266       \put(30,-5){\line(0,1){10}}
9267       \put(35,0){\line(-1,0){30}}
9268       \put(-10,-30){\circle{10}}
9269       \put(-5,-30){\line(1,0){10}}
9270       \put(0,-35){\line(0,1){30}}
9271     \end{picture}%
9272   \else%
9273     \begin{picture}(0,0)
9274       \unitlength\p@\thinline
9275       \put(30,0){\circle{10}}
9276       \put(30,-5){\line(0,1){10}}
9277       \put(35,0){\line(-1,0){30}}
9278       \put(0,-30){\circle{10}}
9279       \put(-5,-30){\line(1,0){10}}
9280       \put(0,-35){\line(0,1){30}}
9281     \end{picture}%
9282   \fi%
9283 }
9284 \ifpackagewith{crop}{cam}{%
9285   \CROP@execopt{cam}%
9286 }{}

```

67 File cutwin-xetex-bidi.def

```

9287 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
9288 \renewcommand*\c@twcompctr{2}{%
9289   \def\c@twfirst{1}
9290   \loop\advance\c@twwinlines\m@ne
9291   \setbox\c@twslicea=\vsplit#1 to\baselineskip
9292   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
9293   \c@twprune{\c@twslicea}{\c@twlftside}%
9294   \c@twprune{\c@twsliceb}{\c@twrtside}%
9295   \ifnum\c@twfirst=\@ne
9296     \setbox#2=\vbox{\unvbox#2\hbox
9297       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
9298     \else
9299       \setbox#2=\vbox{\unvbox#2\hbox
9300         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@tw
9301     \fi
9302   \def\c@twfirst{2}
9303   \ifnum\c@twwinlines>\z@\repeat}

```



```

9304 \renewcommand*{\c@twcompoddctr}[2]{%
9305   \def\c@twrounds{1}
9306   \def\c@twfirst{1}
9307   \@for\c@twlspec:=\c@twb\do{%
9308     \ifnum\c@twrounds=1
9309       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
9310       \c@twprune{\c@twslicea}{\c@twlspec}%
9311       \def\c@twrounds{2}
9312     \else
9313       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
9314       \c@twprune{\c@twsliceb}{\c@twlspec}%
9315       \ifnum\c@twfirst=1
9316         \setbox#2=\vbox{\unvbox#2\hbox
9317           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\
9318         \def\c@twfirst{2}
9319       \else
9320         \setbox#2=\vbox{\unvbox#2\hbox
9321           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\el
9322       \fi
9323       \def\c@twrounds{1}
9324     \fi}}

```

68 File cuted-xetex-bidi.def

```

9325 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for X
9326
9327 \def\RTL@outputdblcol{%
9328   \if@firstcolumn
9329     \global\@firstcolumnfalse
9330     \global\setbox\@leftcolumn\copy\@outputbox
9331     \splitmaxdepth\maxdimen
9332     \vbadness\maxdimen
9333     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
9334     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9335     \toks@\expandafter{\topmark}%
9336     \xdef\@firstcoltopmark{\the\toks@}%
9337     \toks@\expandafter{\splitfirstmark}%
9338     \xdef\@firstcolfirstmark{\the\toks@}%
9339     \ifx\@firstcolfirstmark\@empty
9340       \global\let\@setmarks\relax
9341     \else
9342       \gdef\@setmarks{%
9343         \let\firstmark\@firstcolfirstmark
9344         \let\topmark\@firstcoltopmark}%
9345     \fi
9346   \else
9347     \global\@firstcolumntrue
9348     \setbox\@outputbox\vbox{%
9349       \hb@xt@\textwidth{%
9350         \hskip \columnwidth
9351         \hfil
9352         {\normalcolor\vrule \@width\columnseprule}%
9353         \hfil
9354         \hb@xt@\columnwidth{%

```



```

9355         \bidi@firstcolumn@status@write%
9356         \box\@leftcolumn \hss}%
9357         \hskip -\textwidth
9358         \hb@xt@\columnwidth{%
9359         \bidi@lastcolumn@status@write%
9360         \box\@outputbox \hss}%
9361         \hskip \columnsep
9362         \hskip \columnwidth }}%
9363     \ifvoid\hold@viper
9364     \else
9365         \setbox\@outputbox \vbox to\textheight{%
9366             \box\hold@viper
9367             \box\@outputbox
9368             \vss
9369             }%
9370     \fi
9371 \@combinedblfloats
9372 \@setmarks
9373 \@outputpage
9374 \begingroup
9375     \@dblfloatplacement
9376     \@startdblcolumn
9377     \@whiles\if@fcolmade \fi{\@outputpage
9378     \@startdblcolumn}%
9379     \ifvoid\@viper
9380     \else
9381         \global\setbox\@viper\vbox{%
9382             \vskip-\stripsep
9383             \unvbox\@viper
9384             }%
9385     \@viperoutput
9386     \fi
9387 \endgroup
9388 \fi}%
9389
9390 \def\LTR@outputdblcol{%
9391     \if@firstcolumn
9392         \global\@firstcolumnfalse
9393         \global\setbox\@leftcolumn\copy\@outputbox
9394         \splitmaxdepth\maxdimen
9395         \vbadness\maxdimen
9396         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
9397         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9398         \toks@\expandafter{\topmark}%
9399         \xdef\@firstcoltopmark{\the\toks@}%
9400         \toks@\expandafter{\splitfirstmark}%
9401         \xdef\@firstcolfirstmark{\the\toks@}%
9402         \ifx\@firstcolfirstmark\@empty
9403             \global\let\@setmarks\relax
9404         \else
9405             \gdef\@setmarks{%
9406                 \let\firstmark\@firstcolfirstmark
9407                 \let\topmark\@firstcoltopmark}%
9408     \fi

```



```

9409 \else
9410 \global\@firstcolumntrue
9411 \setbox\@outputbox\vbox{%
9412 \hb@xt@\textwidth{%
9413 \hb@xt@\columnwidth{%
9414 \bidi@firstcolumn@status@write%
9415 \box\@leftcolumn \hss}%
9416 \hfil
9417 {\normalcolor\vrule \@width\columnseprule}%
9418 \hfil
9419 \hb@xt@\columnwidth{%
9420 \bidi@lastcolumn@status@write%
9421 \box\@outputbox \hss}}}%
9422 \ifvoid\hold@viper
9423 \else
9424 \setbox\@outputbox \vbox to\textheight{%
9425 \box\hold@viper
9426 \box\@outputbox
9427 \vss
9428 }%
9429 \fi
9430 \@combinedblfloats
9431 \@setmarks
9432 \@outputpage
9433 \begingroup
9434 \@dblfloatplacement
9435 \@startdblcolumn
9436 \@whiles\if@colmade \fi{\@outputpage
9437 \@startdblcolumn}%
9438 \ifvoid\@viper
9439 \else
9440 \global\setbox\@viper\vbox{%
9441 \vskip-\stripsep
9442 \unvbox\@viper
9443 }%
9444 \@viperoutput
9445 \fi
9446 \endgroup
9447 \fi}%
9448
9449 \def\@addviper{%
9450 \@insertfalse
9451 \def\var@thecol@num{2}%
9452 \if@firstcolumn
9453 \def\var@thecol@num{1}%
9454 \@reqcolroom=.5\@pageht
9455 \ht@viper=\@reqcolroom
9456 \advance\@reqcolroom by\ht\@viper
9457 \advance\@reqcolroom by\stripsep
9458 \else
9459 \@reqcolroom=\@colht
9460 \advance\@reqcolroom by\@pageht
9461 \ht@viper.5\@reqcolroom
9462 \@reqcolroom=\ht@viper

```




```

9463 \advance\@reqcolroom by\ht\@viper
9464 \advance\@reqcolroom by\stripsep
9465 \global\setbox\@holdpg\vbox{%
9466 \setbox\cuted@@tempbox@a\vbox{%
9467 \aftergroup\unvbox
9468 \unvcopy\@leftcolumn
9469 \unskip\unkern\unpenalty
9470 \setbox\@tempboxa\lastbox
9471 \ifdim\dimexpr\ht\@tempboxa+\wd\@tempboxa+\dp\@tempboxa>\z@
9472 %% keeps lastbox
9473 \aftergroup\@leftcolumn
9474 \else
9475 %% removes lastbox
9476 \aftergroup\cuted@@tempbox@a
9477 \fi
9478 }%
9479 \unskip\unkern\unpenalty
9480 \on@stripcols@break
9481 \the\At@ViperColsBreak
9482 \unvbox\@holdpg
9483 }%
9484 \global\At@ViperColsBreak{}%
9485 \ht@viper=.5\ht\@holdpg
9486 \ifdim\ht@viper>\@colht
9487 \ht@viper=\@colht
9488 \fi
9489 \fi
9490 %%
9491 %% calculations for breaking
9492 %%
9493 \ifvoid\hold@viper
9494 \ht@hold@viper=\z@
9495 \else
9496 \ht@hold@viper=\ht\hold@viper
9497 \fi
9498 \cuted@@tempdim@b\ht@viper
9499 \set@split@topskip@to\topskip
9500 \loop
9501 \xdef\saved@tempdimb{\the\cuted@@tempdim@b}%
9502 \setbox\cuted@@varbox@a\copy\@holdpg
9503 \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
9504 %% set leftcolumn boxes
9505 \setbox\cuted@@tempbox@c\vbox{\unvbox\cuted@@tempbox@a}%
9506 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
9507 \xdef\var@@leftcolumn@badness{\the\badness}%
9508 %% set rightcolumn boxes
9509 \setbox\cuted@@varbox@c\vbox{\unvbox\cuted@@varbox@a}%
9510 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
9511 \xdef\var@@rightcolumn@badness{\the\badness}%
9512 %% analyzing split goodness
9513 \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
9514 \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
9515 \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
9516 \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c

```



```

9517 \cuted@@wlog@debug{CUTED [----]}%
9518 ^^JLeft: \the\ht\cuted@@tempbox@c
9519 +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
9520 ^^JRight: \the\ht\cuted@@varbox@c
9521 +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
9522 ^^JSplit: \the\cuted@@tempdim@b
9523 ^^JExtra height: \the\cuted@@tempdim@spread
9524 }%
9525 \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
9526 \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
9527 \cuted@@tempdim@spread=\z@
9528 \fi
9529 \fi
9530 \ifdim\cuted@@tempdim@spread<\z@
9531 \if@leftcolumn@spread
9532 \if@rightcolumn@shrink
9533 \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
9534 \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
9535 \else
9536 \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\relax
9537 \fi
9538 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}
9539 \ifnum\badness<\cuted@@column@badness
9540 \cuted@@tempdim@b=\cuted@@tempdim@a
9541 \cuted@@tempdim@spread=\z@
9542 \fi
9543 \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on \the\ht}
9544 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c}
9545 \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on \the\ht}
9546 \else
9547 \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
9548 \unvcopy\cuted@@tempbox@c
9549 }%
9550 \ifnum\badness<\cuted@@column@badness
9551 \@tempdimb=\ht\cuted@@varbox@c
9552 \cuted@@tempdim@spread=\z@
9553 \fi
9554 \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\ht}
9555 \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{%
9556 \unvcopy\cuted@@varbox@c
9557 }%
9558 \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\ht}
9559 \fi
9560 \else
9561 \if@rightcolumn@shrink
9562 \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
9563 \else
9564 \cuted@@tempdim@b=\ht\cuted@@tempbox@c
9565 \cuted@@tempdim@spread=\z@
9566 \fi
9567 \fi
9568 \fi
9569 \else
9570 \ifdim\cuted@@tempdim@spread>\z@

```



```

9571         \ifdim\dimexpr\@tempdimb+p@\relax>\@colht
9572         \cuted@@tempdim@b=\@colht
9573         \cuted@@tempdim@spread=\z@
9574     \fi
9575 \fi
9576 \fi
9577 \ifdim\cuted@@tempdim@spread<\z@
9578     \advance\cuted@@tempdim@b 1p@
9579 \repeat
9580 \wlog{CUTED [- LAST -]%
9581     ^^JExtra skip:\the\cuted@@tempdim@spread
9582     ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
9583     ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
9584     ^^JSplit:\saved@tempdimb
9585     ^^JOutput:\the\cuted@@tempdim@b
9586     ^^JPageshrink:\the\pageshrink
9587     ^^JPagestretch:\the\pagestretch
9588     ^^J@colht:\the\@colht
9589 }%
9590 %%
9591 %% final construction of the cuted page above strip
9592 %%
9593 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
9594 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
9595     \cuted@@tempdim@a=\dimexpr
9596     \cuted@@tempdim@b-\ht\cuted@@tempbox@c
9597     \relax
9598     \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
9599     \unvbox\cuted@@tempbox@c
9600     \ifdim\cuted@@tempdim@spread>\dp\strutbox
9601     \else
9602         \vskip-\cuted@@tempdim@spread
9603     \fi
9604     \prevdepth\z@
9605     \hrule\@height\cuted@@page@rule width\textwidth
9606     \vskip-\cuted@@page@rule
9607     \ifdim\cuted@@tempdim@a>\z@
9608         \if@left@column@spread
9609         \else
9610             \vss
9611         \fi
9612     \else
9613         \ifdim\cuted@@tempdim@a<\z@
9614             \if@left@column@shrink
9615             \else
9616                 \vss
9617             \fi
9618         \fi
9619     \fi
9620 }%
9621 \wlog{CUTED [output]: \the\cuted@@tempdim@b
9622     ^^JCUTED [leftcolumn badness]: \number\badness
9623 }%
9624 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%

```



```

9625      \cuted@@tempdim@a=\dimexpr
9626      \cuted@@tempdim@b-\ht\@holdpg
9627      \relax
9628      \unvbox\@holdpg
9629      \ifdim\cuted@@tempdim@a>\z@
9630      \if@right@column@spread
9631      \else
9632      \vss
9633      \fi
9634      \else
9635      \ifdim\cuted@@tempdim@a<\z@
9636      \if@right@column@shrink
9637      \else
9638      \vss
9639      \fi
9640      \fi
9641      \fi
9642      }%
9643      \wlog{CUTED [rightcolumn badness]: \number\badness}%
9644      \setbox\cuted@@tempbox@var\vbox{%
9645      \hb@xt@\textwidth{%
9646      \if@RTLmain
9647      \hskip \columnwidth
9648      \hfil
9649      {\normalcolor\vrule \@width\columnseprule}%
9650      \hfil
9651      \hb@xt@\columnwidth{%
9652      \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
9653      \hss
9654      }%
9655      \hskip -\textwidth
9656      \hb@xt@\columnwidth{%
9657      \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
9658      \hss
9659      }%
9660      \hskip \columnsep
9661      \hskip \columnwidth
9662      \else
9663      \hb@xt@\columnwidth{%
9664      \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
9665      \hss
9666      }%
9667      \hfil
9668      {\normalcolor\vrule \@width\columnseprule}%
9669      \hfil
9670      \hb@xt@\columnwidth{%
9671      \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
9672      \hss
9673      }%
9674      \fi
9675      }%
9676      }%
9677      %%
9678      %% finalize cuted page

```



```

9679 %%
9680 \ifvoid\hold@viper
9681     \global\setbox\hold@viper\vbox{%
9682         \unvbox\cuted@@tempbox@var
9683         \penalty\interlinepenalty
9684         \vskip\stripsep
9685         \the\preCutedStrip
9686         \ifnum\outputpenalty<-\@Mii
9687             \vskip -\parskip
9688         \fi
9689         \outputpenalty\z@
9690     }%
9691 \else
9692     \global\setbox\hold@viper\vbox{%
9693         \unvbox\hold@viper
9694         \cuted@@tempbox@var
9695         \penalty\interlinepenalty
9696         \vskip\stripsep
9697         \the\preCutedStrip
9698         \ifnum\outputpenalty<-\@Mii
9699             \vskip -\parskip
9700         \fi
9701         \outputpenalty\z@
9702     }%
9703 \fi
9704 \ifdim\@colht>\@reqcolroom
9705     \global\setbox\hold@viper\vbox{%
9706         \unvbox\hold@viper
9707         \box\@viper
9708         \penalty\interlinepenalty
9709         \the\postCutedStrip
9710         \vskip\stripsep
9711         \ifnum\outputpenalty<-\@Mii
9712             \vskip -\parskip
9713         \fi
9714         \outputpenalty\z@
9715     }%
9716     \@inserttrue
9717     \global\@firstcolumntrue
9718     \advance\ht@hold@viper by-\ht\hold@viper
9719     \global\advance\@colht by\ht\hold@viper
9720     \ifdim\@colht<2.5\baselineskip
9721         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
9722             too tall on page \thepage (\var@@thecol@num column)}}%
9723         \@emptycol
9724         \if@firstcolumn
9725             \else
9726                 \@emptycol
9727             \fi
9728         \global\@lastvipertrue
9729     \else
9730         \global\vsizel\@colht
9731         \global\@colroom\@colht
9732         \check@floats\cuted@@tempdim@a

```



```

9733         \ifdim\cuted@@tempdim@a>\z@
9734             \global\advance\@colroom by-\cuted@@tempdim@a
9735         \fi
9736         \ifdim\@colroom<\z@
9737             \global\@colroom1\p@
9738             \ifdim\cuted@@tempdim@a>\@colht
9739                 \@latex@warning@no@line{TOP and/or BOT FLOAT's
9740                     to large on \thepage (\var@@thecol@num column)}%
9741             \fi
9742             \@emptycol
9743             \if@firstcolumn
9744             \else
9745                 \@emptycol
9746             \fi
9747             \global\@lastvipertrue
9748         \fi
9749     \fi
9750 \fi
9751 \if@insert
9752 \else
9753     \advance\ht@hold@viper by-\ht\hold@viper
9754     \global\advance\@colht by\ht@hold@viper
9755     \global\setbox\hold@viper\ vbox{%
9756         \unvbox\hold@viper
9757         \set@split@topskip@to{\z@ plus2\p@}%
9758         \vsplit\@viper to\@colht
9759         \vss
9760     }%
9761     \vbox{%
9762         \global\@firstcolumnfalse
9763         \newpage
9764     \fi
9765 }

```

69 File cvthemebidicasual.sty

```

9766 \NeedsTeXFormat{LaTeX2e}
9767 \ProvidesPackage{cvthemebidicasual}
9768 \DeclareOption{blue}{}
9769 \newif\if@colourorange\@colourorangefalse
9770 \DeclareOption{orange}{\@colourorangetrue}
9771 \newif\if@colourgreen\@colourgreenfalse
9772 \DeclareOption{green}{\@colourgreentrue}
9773 \newif\if@colourred\@colourredfalse
9774 \DeclareOption{red}{\@colourredtrue}
9775 \newif\if@colourgrey\@colourgreyfalse
9776 \DeclareOption{grey}{\@colourgreytrue}
9777 \DeclareOption*{
9778     \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
9779 \ExecuteOptions{colour}
9780 \ProcessOptions\relax
9781 \renewcommand*{\listitemsymbol}{\textbullet}
9782 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
9783 \familynamecolour{808080}

```



```

9784 \firstnamecolour{A9A9A9}
9785 \quotecolour{696969}
9786 \addresscolour{696969}
9787 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
9788 \sectiontitlecolour{1E90FF}
9789 \subsectioncolour{4682B4}
9790 \definecolor{rulecolour}{gray}{0.6}
9791 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
9792 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
9793 \if@colouorange
9794   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
9795   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
9796   \sectiontitlecolour{FF8C00}
9797   \subsectioncolour{FF8C00}
9798   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
9799   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
9800 \if@colourgreen
9801   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
9802   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
9803   \sectiontitlecolour{008000}
9804   \subsectioncolour{008000}
9805   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
9806   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
9807 \if@coloured
9808   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
9809   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
9810   \sectiontitlecolour{FF0000}
9811   \subsectioncolour{FF0000}
9812   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
9813   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
9814 \if@colourgrey
9815   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
9816   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
9817   \sectiontitlecolour{808080}
9818   \subsectioncolour{808080}
9819   \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
9820   \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
9821 \renewcommand*{\ttdefault}{pcr}
9822 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
9823 \renewcommand*{\familynamefont}{\firstnamefont}
9824 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
9825 \renewcommand*{\quoteont}{\large\slshape}
9826 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
9827 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
9828 \renewcommand*{\maketitle}{%
9829   {%
9830     \ifthenelse{\isundefined{\@photo}}{%
9831       {}%
9832       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}}%
9833     \hfill%
9834     \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
9835     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
9836   \ifthenelse{\isundefined{\@quote}}{%
9837     {}%

```



```

9838     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}
9839   }%
9840 \newif\if@firstfooterelement\@firstfooterelementtrue
9841 \providecommand*{\footersymbol}{}
9842 \renewcommand*{\footersymbol}{%
9843   \if@firstfooterelement%
9844   \else%
9845     { ~\color{footersymbolcolor}\textbullet~~}\fi}
9846 \providecommand*{\makefooter}{}
9847 \renewcommand*{\makefooter}{%
9848   \fancypagestyle{plain}{%
9849     \fancyfoot[c]{%
9850       \parbox{0.8\textwidth}{%
9851         \centering%
9852         \addressfont\@addresscolour%
9853         \ifthenelse{isundefined{\@address}}{}{}%
9854         \addresssymbol~\@address\\%
9855         \@firstfooterelementfalse}%
9856         \ifthenelse{isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
9857         \ifthenelse{isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
9858         \ifthenelse{isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
9859         \ifthenelse{isundefined{\@email}}{}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
9860         \ifthenelse{isundefined{\@extrainfo}}{}{\footersymbol\extrainfo\@firstfooterelementfalse}%
9861       }%
9862     \pagestyle{plain}}
9863 \AtBeginDocument{\makefooter}

```

70 File cvthemebidiclassic.sty

```

9864 \NeedsTeXFormat{LaTeX2e}
9865 \ProvidesPackage{cvthemebidiclassic}
9866 \DeclareOption{blue}{}
9867 \newif\if@colourorange\@colourorangefalse
9868 \DeclareOption{orange}{\@colourorange>true}
9869 \newif\if@colourgreen\@colourgreenfalse
9870 \DeclareOption{green}{\@colourgreentrue}
9871 \newif\if@colourred\@colourredfalse
9872 \DeclareOption{red}{\@colourredtrue}
9873 \newif\if@colourgrey\@colourgreyfalse
9874 \DeclareOption{grey}{\@colourgreytrue}
9875 \DeclareOption*{
9876   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
9877 \ExecuteOptions{colour}
9878 \ProcessOptions\relax
9879 \renewcommand*{\listitemsymbol}{\textbullet}
9880 \firstnamecolour{}
9881 \familynamecolour{}
9882 \titlecolour{808080}
9883 \quotecolour{696969}
9884 \addresscolour{696969}
9885 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
9886 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
9887 \sectiontitlecolour{1E90FF}
9888 \subsectioncolour{4682B4}

```




```

9889 \if@colouorange
9890 \addresscolour{FF8C00}
9891 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
9892 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
9893 \sectiontitlecolour{FF8C00}
9894 \subsectioncolour{FF8C00}\fi
9895 \if@colourgreen
9896 \addresscolour{008000}
9897 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
9898 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
9899 \sectiontitlecolour{008000}
9900 \subsectioncolour{008000}\fi
9901 \if@coloured
9902 \addresscolour{FF0000}
9903 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
9904 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
9905 \sectiontitlecolour{FF0000}
9906 \subsectioncolour{FF0000}\fi
9907 \if@colourgrey
9908 \addresscolour{808080}
9909 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
9910 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
9911 \sectiontitlecolour{808080}
9912 \subsectioncolour{808080}\fi
9913 \renewcommand*{\ttdefault}{pcr}
9914 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
9915 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
9916 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
9917 \renewcommand*{\familynamefont}{\firstnamefont}
9918 \renewcommand*{\quoteftfont}{\large\slshape}
9919 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
9920 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
9921 \newlength{\maketitlemaxwidth}
9922 \setlength{\maketitlemaxwidth}{.525\textwidth}
9923 \newlength{\maketitlefullwidth}
9924 \settowidth{\maketitlefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
9925 \newlength{\maketitlewidth}
9926 \ifnum\maketitlemaxwidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}\fi
9927 \newlength{\maketitlepicturewidth}
9928 \setlength{\maketitlepicturewidth}{\@photowidth}
9929 \newlength{\maketitledetailwidth}
9930 \renewcommand*{\recomputethemelengths}{%
9931 \setlength{\maketitledetailwidth}{\textwidth}%
9932 \addtolength{\maketitledetailwidth}{-\maketitlewidth}%
9933 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
9934 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
9935 \recomputethemelengths
9936 \newif\if@firstdetailselement\@firstdetailselementtrue
9937 \newcommand*{\maketitledetailsnewline}{%
9938 \if@firstdetailselement%
9939 \@firstdetailselementfalse%
9940 \else%
9941 \[.2em]\fi}
9942 \renewcommand*{\maketitle}{%

```



```

9943 % name and title
9944 \begin{minipage}[b]{\maketitlewidth}%
9945   \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
9946   \ifthenelse{\equal{\@title}{}}{\{\}\[1.25em]\titlestyle{\@title}}%
9947 \end{minipage}%
9948 % optional data
9949 \begin{minipage}[b]{\maketitledetailwidth}%
9950   \bidi@raggedleft\addressfont\@addresscolour%
9951   \ifthenelse{\isundefined{\@address}}{\{\}%
9952     \maketitledetailnewline%
9953     \addresssymbol~\@address}%
9954   \ifthenelse{\isundefined{\@mobile}}{\{\}\maketitledetailnewline\mobilesymbol~\@mobile}%
9955   \ifthenelse{\isundefined{\@phone}}{\{\}\maketitledetailnewline\phonesymbol~\@phone}%
9956   \ifthenelse{\isundefined{\@fax}}{\{\}\maketitledetailnewline\faxsymbol~\@fax}%
9957   \ifthenelse{\isundefined{\@email}}{\{\}\maketitledetailnewline\emailsymbol~\emailink{\@e
9958   \ifthenelse{\isundefined{\@extrainfo}}{\{\}\maketitledetailnewline\@extrainfo}%
9959 \end{minipage}%
9960 % optional photo
9961 \ifthenelse{\isundefined{\@photo}}%
9962   {\%
9963     {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
9964 % optional quote
9965 \ifthenelse{\isundefined{\@quote}}%
9966   {\%
9967   {\centering\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\
9968 }

```

71 File dblfnote-xetex-bidi.def

```

9969 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
9970 \let\autofootnoterule\relax
9971 \let\rightfootnoterule\relax
9972 \let\leftfootnoterule\relax
9973 \let\textwidthfootnoterule\relax
9974 \let\LRfootnoterule\relax
9975 \def\footnoterule{\kern-3\p@
9976   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
9977 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
9978 \let\@footnotetext\dfn@footnotetext}
9979 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
9980   \let\insert\dfn@gobble
9981   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
9982   \def\@makefnmark{\smash{\dfn@makefnmark}}
9983   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
9984   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
9985   \ifdim\dfn@dima>\z@else
9986     \dfn@dima1sp\relax
9987     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
9988   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
9989     \ifvoid\dfn@ins\else
9990       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
9991     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
9992   \setbox\dfn@boxa\copy\dfn@ins
9993   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep

```



```

9994      \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
9995      \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
9996      \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
9997      \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
9998 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
9999 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
10000 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
10001     \let\insert\dfn@gobble
10002     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
10003     \def\@makefnmark{\smash{\dfn@makefnmark}}
10004     \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
10005     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
10006     \ifdim\dfn@dima>z@\else
10007         \dfn@dima1sp\relax
10008         \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
10009     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
10010         \ifvoid\dfn@ins\else
10011             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
10012             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
10013     \setbox\dfn@boxa\copy\dfn@ins
10014     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10015     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
10016     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
10017     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
10018     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
10019 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
10020 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
10021 \def\dfn@RTLmakecol{{\ifvoid\footins\else
10022     \dfn@dima\ht\footins
10023     \@tempcnta\z@ \dfn@countins
10024     \@tempdima\z@ \let\@elt\dfn@elt@getht
10025     \dfn@list\@nil
10026     \ifdim\@tempdima=\z@\else
10027         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10028         \global\setbox\dfn@ins\box\dfn@ins
10029         \@tempswatrue
10030         \ifdfn@trysingle
10031             \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10032             \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10033             \advance\@tempdima-\skip\footins
10034             \advance\@tempdima-\ht\dfn@boxa
10035             \ifdim\@tempdima<\z@\else \@tempswafalse
10036                 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10037                     \footnoterule \unvbox\dfn@boxa}\fi\fi
10038         \if@tempswa
10039             \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10040             \global\setbox\footins\vbox{\hbox{%
10041                 \hskip \DFNcolumnwidth
10042                 \hskip\DFNcolumnsep
10043                 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10044                     \unvbox\dfn@boxb\vss}\hss}
10045                 \hskip -\textwidth
10046                 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10047                     \vbox to\@tempdima{

```



```

10048 \setbox\@tempboxa\vbox{\footnoterule}
10049 \ifdfn@ruleboth \unvbox\@tempboxa
10050 \else \@tempdima\ht\@tempboxa
10051 \advance\@tempdima\dp\@tempboxa
10052 \vskip\@tempdima
10053 \prevdepth\dp\@tempboxa \fi
10054 \unvbox\dfn@boxa\vss}\fi\hss}
10055 \hskip \DFNcolumnsep
10056 \hskip \DFNcolumnwidth}}\fi\fi
10057 \global\dfn@fnht\z@
10058 \ifx\dfn@list\@empty\else
10059 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
10060 \dfn@list \global\advance\dfn@fnht\dfn@dimb
10061 \let\@elt\relax
10062 \ifdim\dfn@dimb>\z@
10063 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10064 \insert\footins{\floatingpenalty\@MM
10065 \vbox to\dfn@dimb{}}\fi
10066 \ifdim\dfn@fnht>\@tempdima
10067 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10068 \global\dfn@fnht\@tempdima
10069 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10070 \xdef\dfn@afteroutput{\insert\footins{
10071 \floatingpenalty\@MM
10072 \vbox to\number\@tempdimb sp{}}}%
10073 \global\let\noexpand\dfn@afteroutput\relax}%
10074 \fi\fi
10075 \fi}%
10076 \let\footnoterule\relax \dfn@latex@makecol
10077 \let\footnoterule\dfn@footnoterule}
10078 \def\dfn@LTRmakecol{\ifvoid\footins\else
10079 \dfn@dima\ht\footins
10080 \@tempcnta\z@ \dfn@countins
10081 \@tempdima\z@ \let\@elt\dfn@elt@getht
10082 \dfn@list\@nil
10083 \ifdim\@tempdima=\z@\else
10084 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
10085 \global\setbox\dfn@ins\box\dfn@ins
10086 \@tempswatrue
10087 \ifdfn@trysingle
10088 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
10089 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
10090 \advance\@tempdima-\skip\footins
10091 \advance\@tempdima-\ht\dfn@boxa
10092 \ifdim\@tempdima<\z@\else \@tempswafalse
10093 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
10094 \footnoterule \unvbox\dfn@boxa}\fi\fi
10095 \if@tempswa
10096 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
10097 \global\setbox\footins\vbox{\hbox{%
10098 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
10099 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
10100 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
10101 \vbox to\@tempdima{

```



```

10102 \setbox\@tempboxa\vbox{\footnoterule}
10103 \ifdfn@ruleboth \unvbox\@tempboxa
10104 \else \@tempdima\ht\@tempboxa
10105 \advance\@tempdima\dp\@tempboxa
10106 \vskip\@tempdima
10107 \prevdepth\dp\@tempboxa \fi
10108 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
10109 \global\dfn@fnht\z@
10110 \ifx\dfn@list\@empty\else
10111 \let\@elt\dfn@elt\adjust \dfn@dima\z@ \dfn@dimb\z@
10112 \dfn@list \global\advance\dfn@fnht\dfn@dimb
10113 \let\@elt\relax
10114 \ifdim\dfn@dimb>\z@
10115 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
10116 \insert\footins{\floatingpenalty\@MM
10117 \vbox to\dfn@dimb{}}\fi
10118 \ifdim\dfn@fnht>\@tempdima
10119 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
10120 \global\dfn@fnht\@tempdima
10121 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
10122 \xdef\dfn@afteroutput{\insert\footins{
10123 \floatingpenalty\@MM
10124 \vbox to\number\@tempdimb sp{}}%
10125 \global\let\@elt\@tempdimb\dfn@afteroutput\relax}%
10126 \fi\fi
10127 \fi}%
10128 \let\footnoterule\relax \dfn@latex@makecol
10129 \let\footnoterule\dfn@footnoterule}
10130 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
10131 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
10132 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
10133 \DFNalwaysdouble

```

72 File diagbox-xetex-bidi.def

```

10134 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package f
10135 \bidi@patchcmd{\diagbox@double}{%
10136 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10137 }{\bidi@@diagbox@double@ii}{-}{-}
10138 \bidi@patchcmd{\diagbox@double}{%
10139 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
10140 }{\bidi@@diagbox@double@iii}{-}{-}
10141 \newcommand*{\bidi@@diagbox@double@ii}{%
10142 \if@RTL
10143 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}
10144 \else
10145 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10146 \fi
10147 }
10148 \newcommand*{\bidi@@diagbox@double@iii}{%
10149 \if@RTL
10150 \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}}
10151 \else
10152 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}

```



```

10153 \fi
10154 }
10155 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10156 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10157 {\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
10158 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10159 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10160 {\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
10161 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
10162 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10163 {\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
10164 \newcommand*\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
10165 \ifRTL
10166 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}}}
10167 \else
10168 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}}
10169 \fi}
10170 \newcommand*\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
10171 \ifRTL
10172 \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}}
10173 \else
10174 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
10175 \fi}
10176 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
10177 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10178 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
10179 {\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
10180 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10181 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}%
10182 {\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
10183 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
10184 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}%
10185 {\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
10186 \newcommand*\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
10187 \ifRTL
10188 \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}}
10189 \else
10190 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
10191 \fi
10192 }
10193 \newcommand*\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
10194 \ifRTL
10195 \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
10196 \else
10197 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}}
10198 \fi
10199 }
10200 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
10201 \bidi@patchcmd{\diagbox@double@pict@SE}{%
10202 \diagbox@setlinecolor
10203 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
10204 }{%
10205 {\diagbox@setlinecolor
10206 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}}%

```



```

10207 }{}{}
10208 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
10209 \bidi@patchcmd{\diagbox@double@pict@NE}{%
10210   \diagbox@setlinecolor
10211   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
10212 }{}%
10213   {\diagbox@setlinecolor
10214   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}}%
10215 }{}{}
10216 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
10217 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
10218   \diagbox@setlinecolor
10219   \Line(0,\yym)(\x,0)
10220   \Line(\xm,\y)(\x,0)}%
10221 }{}%
10222   {\diagbox@setlinecolor
10223   \Line(0,\yym)(\x,0)
10224   \Line(\xm,\y)(\x,0)}}%
10225 }{}{}
10226 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
10227   \diagbox@setlinecolor
10228   \Line(0,0)(\xxm,\y)
10229   \Line(0,0)(\x,\yym)}%
10230 }{}%
10231   {\diagbox@setlinecolor
10232   \Line(0,0)(\xxm,\y)
10233   \Line(0,0)(\x,\yym)}}%
10234 }{}{}
10235 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
10236   \diagbox@setlinecolor
10237   \Line(0,\ym)(\x,\y)
10238   \Line(\xm,0)(\x,\y)}%
10239 }{}%
10240   {\diagbox@setlinecolor
10241   \Line(0,\ym)(\x,\y)
10242   \Line(\xm,0)(\x,\y)}}%
10243 }{}{}
10244 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
10245   \diagbox@setlinecolor
10246   \Line(0,\y)(\xxm,0)
10247   \Line(0,\y)(\x,\ym)}%
10248 }{}%
10249   {\diagbox@setlinecolor
10250   \Line(0,\y)(\xxm,0)
10251   \Line(0,\y)(\x,\ym)}}%
10252 }{}{}

```

73 File draftwatermark-xetex-bidi.def

```

10253 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwater
10254 \renewcommand\SetWatermarkText[1]{%
10255   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```



74 File eso-pic-xetex-bidi.def

```

10256 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package f
10257 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
10258   \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}
10259
10260 \ESO@isMEMOIR{%
10261   \renewcommand\AtTextUpperLeft[1]{%
10262     \begingroup
10263       \ifodd\c@page
10264         \if@RTLmain
10265           \ESO@tempdima=\paperwidth
10266           \advance\ESO@tempdima-\textwidth
10267           \advance\ESO@tempdima-\spinemargin
10268         \else
10269           \ESO@tempdima=\spinemargin
10270         \fi
10271       \else
10272         \if@RTLmain
10273           \ESO@tempdima=\spinemargin
10274         \else
10275           \ESO@tempdima=\paperwidth
10276           \advance\ESO@tempdima-\textwidth
10277           \advance\ESO@tempdima-\spinemargin
10278         \fi
10279       \fi
10280       \ESO@tempdimb=-\uppermargin
10281       \AtPageUpperLeft{%
10282         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
10283       }%
10284     \endgroup
10285   }
10286 }{%
10287   \renewcommand\AtTextUpperLeft[1]{%
10288     \begingroup
10289       \ESO@tempdima=1in\relax
10290       \if@twoside
10291         \ifodd\c@page
10292           \if@RTLmain
10293             \advance\ESO@tempdima\evensidemargin
10294           \else
10295             \advance\ESO@tempdima\oddsidemargin
10296           \fi
10297         \else
10298           \if@RTLmain
10299             \advance\ESO@tempdima\oddsidemargin
10300           \else
10301             \advance\ESO@tempdima\evensidemargin
10302           \fi
10303         \fi
10304       \else
10305         \advance\ESO@tempdima\oddsidemargin
10306       \fi
10307       \ESO@tempdimb=-1in\relax

```




```

10308      \advance\ESO@tempdimb-\topmargin
10309      \advance\ESO@tempdimb-\headheight
10310      \advance\ESO@tempdimb-\headsep
10311      \AtPageUpperLeft{%
10312        \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
10313      }%
10314    \endgroup
10315  }
10316 }

```

75 File empheq-xetex-bidi.def

```

10317 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for
10318 \MHInternalSyntaxOn
10319 \def\EQ_tag_plus_endmark:{%
10320   \iftagsleft@
10321     \gdef\maketag@@@#1{%
10322       \hfuzz\displaywidth
10323       \if@RTL\makebox[\widthof{##1}][r]{%
10324         \hbox to \displaywidth{\m@th\normalfont##1\hss
10325           \raisebox{-\dp\EQ_mathdisplay_box
10326             -\depthof{\EQ_outerbox:}}{
10327             {\PotEndMark{\hss}}}}
10328       \else\makebox[\widthof{##1}][l]{%
10329         \hbox to \displaywidth{\m@th\normalfont##1\hss
10330           \raisebox{-\dp\EQ_mathdisplay_box
10331             -\depthof{\EQ_outerbox:}}{
10332             {\PotEndMark{\hss}}}}\fi}%
10333   \MH_else:
10334     \gdef\maketag@@@#1{%
10335       \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
10336         \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
10337       \MH_addtolength:dn \@tempdima
10338         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
10339       \setlength{\@tempdimb}
10340         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
10341         +\depthof{\EQ_innerbox:}}}}
10342     \MH_if_dim:w \@tempdima>\@tempdimb
10343     \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
10344       -\@tempdima+\g_EQ_bottomrow_depth_dim}
10345     \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
10346     \def\EQ_next:{\raisebox{\@tempdima}}%
10347     \MH_else:
10348     \def\EQ_next:{
10349       \raisebox{-\dp\EQ_mathdisplay_box
10350         -\depthof{\EQ_outerbox:}}}%
10351     \MH_fi:\EQ_next:}}}%
10352   \MH_fi:}
10353 \def\EQ_post_process:{%
10354   \EQ_initialize:
10355   \EQ_begin_equation:
10356   \MH_if_boolean:nT {outer_mult}{
10357     \setkeys{MT_options_name:}{
10358       firstline-afterskip=0pt,

```



```

10359     lastline-preskip=0pt,
10360     multlined-width=0pt,
10361   }
10362   \ifodd \l_EQ_alignmentmode_int
10363     \setkeys{\MT_options_name:}{multlined-pos=b}
10364   \MH_else:
10365     \setkeys{\MT_options_name:}{multlined-pos=t}
10366   \MH_fi:
10367     \g@addto@macro\EQ_complete_mathdisplay:{
10368       \begin{MTmultlined}\relax}
10369   }
10370   \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
10371   \MH_if_boolean:nT {outer_mult}{
10372     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
10373   }
10374   \EQ_end_equation:
10375   \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
10376   \savecounters@
10377   \EQ_typeset_tags:
10378   \edef\l_EQ_equation_fint{\number\c@equation}
10379   \restorecounters@
10380   \Hy@linkcounter=\EQ_hyperref_link_fint
10381   \settowidth\l_EQ_totalwidth_dim{%
10382     $\EQ_left_side:\EQ_innerbox:{$}\EQ_right_side:$}%
10383   \MH_if_boolean:nTF {outer_mult}
10384     { \def\EQ_next:{_mult} }
10385     { \def\EQ_next:{} }
10386   \@nameuse{EQ_modify_linewidth_
10387     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
10388   \EQ_typeset_display:
10389   \@nameuse{EQ_find_displaywidth_
10390     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
10391   \MH_addtolength:dn
10392     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
10393   \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
10394     $\EQ_left_side:
10395     \EQ_innerbox:{%
10396       \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
10397         \makebox[\l_EQ_displaywidth_dim][c]
10398         {\usebox{\EQ_mathdisplay_box}}}%
10399       \MH_or:
10400         \makebox[\l_EQ_displaywidth_dim][c]
10401         {\usebox{\EQ_mathdisplay_box}}}%
10402       \MH_or:
10403         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
10404           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
10405             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
10406               \kern-\@mathmargin
10407             \MH_fi:
10408           \MH_fi:
10409           \usebox{\EQ_mathdisplay_box}}}%
10410         \else\makebox[\l_EQ_displaywidth_dim][l]{%
10411           \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
10412             \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:

```



```

10413         \kern-\@mathmargin
10414         \MH_fi:
10415         \MH_fi:
10416         \usebox{\EQ_mathdisplay_box}}\fi%
10417     \MH_or:
10418     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
10419     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
10420     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
10421     \kern-\@mathmargin
10422     \MH_fi:
10423     \MH_fi:
10424     \usebox{\EQ_mathdisplay_box}}
10425     \else\makebox[\l_EQ_displaywidth_dim][l]{%
10426     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
10427     \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
10428     \kern-\@mathmargin
10429     \MH_fi:
10430     \MH_fi:
10431     \usebox{\EQ_mathdisplay_box}}\fi%
10432     \MH_fi:}%
10433     \EQ_right_side:$}%
10434     \begin{AmSequation*}
10435     \@nameuse{EQ_place_display_
10436         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
10437     \MH_if_dim:w \g_EQ_widesttag_dim>\z@
10438     \MH_set_boolean_T:n {show_manual_tags}
10439     \MH_if_case:w \l_EQ_alignmentmode_int
10440     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
10441     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
10442     \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
10443     \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
10444     \MH_fi:
10445     \MH_fi:
10446     \end{AmSequation*}
10447     \global\c@equation=\l_EQ_equation_fint\relax
10448 }
10449 \AtBeginDocument{%
10450     \@ifpackageloaded{fancybox}{%
10451     \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
10452     {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
10453     \renewcommand*\shadowbox{%
10454     \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
10455     \VerbBox\EQ_shadowbox:n}
10456     {\MH_set_boolean_F:n {shadowbox_star}
10457     \VerbBox\EQ_shadowbox:n}}
10458     \def\EQ_shadowbox:n #1{%
10459     \sbox{\z@}{\fbox{#1}}%
10460     \MH_if_boolean:nTF {shadowbox_star}{
10461     \MH_setlength:dn \@tempdima{\z@}%
10462     }{
10463     \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
10464     }
10465     \raisebox{\@tempdima}{%
10466     \if@RTL\makebox[\z@][r]{%

```



```

10467         \kern\shadowsize \textcolor{shadowcolor}{%
10468         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
10469     }%
10470     \else\makebox[\z@][l]{%
10471         \kern\shadowsize \textcolor{shadowcolor}{%
10472         \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
10473     }\fi%
10474     \usebox\z@\textcolor{shadowcolor}{%
10475     \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
10476 }{}%
10477 }
10478 \MHInternalSyntaxOff

```

76 File extarticle-xetex-bidi.def

```

10479 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cla
10480 \renewcommand*\l@section[2]{%
10481     \ifnum \c@tocdepth >\z@
10482         \addpenalty\@secpenalty
10483         \addvspace{1.0em \@plus\p@}%
10484         \setlength\@tempdima{1.5em}%
10485         \begingroup
10486             \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
10487             \parfillskip -\@pnumwidth
10488             \leavevmode \bfseries
10489             \advance\ifRTL\rightskip\else\leftskip\fi\@tempdima
10490             \hskip -\ifRTL\rightskip\else\leftskip\fi
10491             #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10492         \endgroup
10493     \fi}
10494 \renewcommand*\l@part[2]{%
10495     \ifnum \c@tocdepth >-2\relax
10496         \addpenalty\@secpenalty
10497         \addvspace{2.25em \@plus\p@}%
10498         \begingroup
10499             \setlength\@tempdima{3em}%
10500             \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
10501             \parfillskip -\@pnumwidth
10502             {\leavevmode
10503                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10504             \nobreak
10505         \endgroup
10506     \fi}
10507 \def\@part[#1]#2{%
10508     \ifnum \c@secnumdepth >\m@ne
10509         \refstepcounter{part}%
10510         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
10511     \else
10512         \addcontentsline{toc}{part}{#1}%
10513     \fi
10514     {\parindent \z@ \ifRTL\raggedleft\else\raggedright\fi
10515     \interlinepenalty \@M
10516     \normalfont
10517     \ifnum \c@secnumdepth >\m@ne

```



```

10518      \Large\bfseries \partname~\thepart
10519      \par\nobreak
10520      \fi
10521      \huge \bfseries #2%
10522      \markboth{}{}\par}%
10523      \nobreak
10524      \vskip 3ex
10525      \@afterheading}
10526 \def\@spart#1{%
10527   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10528    \interlinepenalty \@M
10529    \normalfont
10530    \huge \bfseries #1\par}%
10531    \nobreak
10532    \vskip 3ex
10533    \@afterheading}
10534 \renewenvironment{thebibliography}[1]
10535   {\section*{\refname
10536    \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
10537    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10538    \bidi@thebibliography@font@hook%
10539    \list{\@biblabel{\@arabic{c@enumiv}}}%
10540    {\settowidth\labelwidth{\@biblabel{#1}}%
10541     \leftmargin\labelwidth
10542     \advance\leftmargin\labelsep
10543     \@openbib@code
10544     \usecounter{enumiv}%
10545     \let\p@enumiv\@empty
10546     \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
10547     \sloppy\clubpenalty4000\widowpenalty4000%
10548     \sfcode\.\@m}
10549   {\def\@noitemerr
10550    {\@latex@warning{Empty `thebibliography' environment}}}%
10551   \endlist}
10552 \renewcommand\left@footnoterule{%
10553   \kern-3\p@
10554   \hrule\@width.4\columnwidth
10555   \kern2.6\p@}
10556 \renewcommand\right@footnoterule{%
10557   \kern-3\p@
10558   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10559   \kern2.6\p@}
10560   \if@titlepage
10561   \renewcommand\maketitle{\begin{titlepage}%
10562     \let\footnotesize\small
10563     \let\right@footnoterule\relax
10564     \let\left@footnoterule\relax
10565     \let\textwidth\footnoterule\relax
10566     \let \footnote \thanks
10567     \null\vfil
10568     \vskip 60\p@
10569     \begin{center}%
10570       {\LARGE \@title \par}%
10571       \vskip 3em%

```



```

10572     {\large
10573       \lineskip .75em%
10574       \begin{tabular}[t]{c}%
10575         \@author
10576       \end{tabular}\par}%
10577       \vskip 1.5em%
10578     {\large \@date \par}%           % Set date in \large size.
10579 \end{center}\par
10580 \@thanks
10581 \vfil\null
10582 \end{titlepage}%
10583 \setcounter{footnote}{0}%
10584 \global\let\thanks\relax
10585 \global\let\maketitle\relax
10586 \global\let\@thanks\@empty
10587 \global\let\@author\@empty
10588 \global\let\@date\@empty
10589 \global\let\@title\@empty
10590 \global\let\title\relax
10591 \global\let\author\relax
10592 \global\let\date\relax
10593 \global\let\and\relax
10594 }
10595 \else
10596 \renewcommand\maketitle{\par
10597   \begingroup
10598     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10599     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10600     \long\def\@makefntext##1{\parindent 1em\noindent
10601       \hb@xt@1.8em{%
10602         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10603     \if@twocolumn
10604       \ifnum \col@number=\@ne
10605         \@maketitle
10606       \else
10607         \twocolumn[\@maketitle]%
10608       \fi
10609     \else
10610       \newpage
10611       \global\@topnum\z@ % Prevents figures from going at top of page.
10612       \@maketitle
10613     \fi
10614     \thispagestyle{plain}\@thanks
10615   \endgroup
10616   \setcounter{footnote}{0}%
10617   \global\let\thanks\relax
10618   \global\let\maketitle\relax
10619   \global\let\@maketitle\relax
10620   \global\let\@thanks\@empty
10621   \global\let\@author\@empty
10622   \global\let\@date\@empty
10623   \global\let\@title\@empty
10624   \global\let\title\relax
10625   \global\let\author\relax

```



```

10626 \global\let\date\relax
10627 \global\let\and\relax
10628 }
10629 \def\@maketitle{%
10630 \newpage
10631 \null
10632 \vskip 2em%
10633 \begin{center}%
10634 \let \footnote \thanks
10635 {\LARGE \@title \par}%
10636 \vskip 1.5em%
10637 {\large
10638 \lineskip .5em%
10639 \begin{tabular}[t]{c}%
10640 \author
10641 \end{tabular}\par}%
10642 \vskip 1em%
10643 {\large \@date}%
10644 \end{center}%
10645 \par
10646 \vskip 1.5em}
10647 \fi
10648 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
10649 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10650 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10651 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

77 File extbook-xetex-bidi.def

```

10652 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for
10653 \if@titlepage
10654 \renewcommand\maketitle{\begin{titlepage}%
10655 \let\footnotesize\small
10656 \let\right@footnoterule\relax
10657 \let\left@footnoterule\relax
10658 \let\textwidth@footnoterule\relax
10659 \let \footnote \thanks
10660 \let \LTRfootnote \LTRthanks
10661 \let \RTLfootnote \RTLthanks
10662 \null\vfil
10663 \vskip 60\p@
10664 \begin{center}%
10665 {\LARGE \@title \par}%
10666 \vskip 3em%
10667 {\large
10668 \lineskip .75em%
10669 \begin{tabular}[t]{c}%
10670 \author
10671 \end{tabular}\par}%
10672 \vskip 1.5em%
10673 {\large \@date \par}% % Set date in \large size.
10674 \end{center}\par
10675 \@thanks
10676 \vfil\null

```



```

10677 \end{titlepage}%
10678 \setcounter{footnote}{0}%
10679 \global\let\thanks\relax
10680 \global\let\LTRthanks\relax
10681 \global\let\RTLthanks\relax
10682 \global\let\maketitle\relax
10683 \global\let\@thanks\@empty
10684 \global\let\@author\@empty
10685 \global\let\@date\@empty
10686 \global\let\@title\@empty
10687 \global\let\title\relax
10688 \global\let\author\relax
10689 \global\let\date\relax
10690 \global\let\and\relax
10691 }
10692 \else
10693 \renewcommand\maketitle{\par
10694 \begingroup
10695   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10696   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10697   \long\def\@makefntext##1{\parindent 1em\noindent
10698     \hb@xt@1.8em{%
10699       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10700   \if@twocolumn
10701     \ifnum \col@number=\@one
10702       \@maketitle
10703     \else
10704       \twocolumn[\@maketitle]%
10705     \fi
10706   \else
10707     \newpage
10708     \global\@topnum\z@ % Prevents figures from going at top of page.
10709     \@maketitle
10710   \fi
10711   \thispagestyle{plain}\@thanks
10712 \endgroup
10713 \setcounter{footnote}{0}%
10714 \global\let\thanks\relax
10715 \global\let\LTRthanks\relax
10716 \global\let\RTLthanks\relax
10717 \global\let\maketitle\relax
10718 \global\let\@maketitle\relax
10719 \global\let\@thanks\@empty
10720 \global\let\@author\@empty
10721 \global\let\@date\@empty
10722 \global\let\@title\@empty
10723 \global\let\title\relax
10724 \global\let\author\relax
10725 \global\let\date\relax
10726 \global\let\and\relax
10727 }
10728 \def\@maketitle{%
10729 \newpage
10730 \null

```




```

10731 \vskip 2em%
10732 \begin{center}%
10733 \let \footnote \thanks
10734 \let \LTRfootnote \LTRthanks
10735 \let \RTLfootnote \RTLthanks
10736 {\LARGE \@title \par}%
10737 \vskip 1.5em%
10738 {\large
10739 \lineskip .5em%
10740 \begin{tabular}[t]{c}%
10741 \@author
10742 \end{tabular}\par}%
10743 \vskip 1em%
10744 {\large \@date}%
10745 \end{center}%
10746 \par
10747 \vskip 1.5em}
10748 \fi
10749 \renewcommand*\l@part[2]{%
10750 \ifnum \c@tocdepth >-2\relax
10751 \addpenalty{-\@highpenalty}%
10752 \addvspace{2.25em \@plus\p@}%
10753 \begingroup
10754 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10755 \parfillskip -\@pnumwidth
10756 {\leavevmode
10757 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10758 \nobreak
10759 \global\@nobreaktrue
10760 \everypar{\global\@nobreakfalse\everypar{}}%
10761 \endgroup
10762 \fi}
10763 \renewcommand\theequation
10764 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10765 \renewcommand \thefigure
10766 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10767 \renewcommand \thetable
10768 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10769 \renewcommand \thechapter {\@arabic\c@chapter}
10770 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10771 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10772 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10773 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10774 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10775 \def\@makechapterhead#1{%
10776 \vspace*{50\p@}%
10777 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10778 \ifnum \c@secnumdepth >\m@ne
10779 \if@mainmatter
10780 \huge\bfseries \@chapapp\space \thechapter
10781 \par\nobreak
10782 \vskip 20\p@
10783 \fi
10784 \fi}

```



```

10785 \interlinepenalty\@M
10786 \Huge \bfseries #1\par\nobreak
10787 \vskip 40\p@
10788 }}
10789
10790 \def\@makeschapterhead#1{%
10791 \vspace*{50\p@}%
10792 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10793 \normalfont
10794 \interlinepenalty\@M
10795 \Huge \bfseries #1\par\nobreak
10796 \vskip 40\p@
10797 }}
10798 \renewcommand\backmatter{%
10799 \if@openright
10800 \cleardoublepage
10801 \else
10802 \clearpage
10803 \fi
10804 \@mainmatterfalse}
10805 \renewenvironment{thebibliography}[1]
10806 {\chapter*{\bibname
10807 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}}%
10808 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10809 \bidi@thebibliography@font@hook%
10810 \list{\@biblabel{\@arabic\c@enumiv}}%
10811 {\settowidth\labelwidth{\@biblabel{#1}}%
10812 \leftmargin\labelwidth
10813 \advance\leftmargin\labelsep
10814 \@openbib@code
10815 \usecounter{enumiv}}%
10816 \let\p@enumiv\@empty
10817 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10818 \sloppy
10819 \clubpenalty4000
10820 \@clubpenalty \clubpenalty
10821 \widowpenalty4000%
10822 \sfcode\.\@m}
10823 {\def\@noitemerr
10824 {\@latex@warning{Empty `thebibliography' environment}}}%
10825 \endlist}

```

78 File extletter-xetex-bidi.def

```

10826 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
10827 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
10828 \thispagestyle{firstpage}%
10829 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
10830 \else % home address
10831 \thispagestyle{empty}%
10832 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignore
10833 \fromaddress \*[2\parskip]%
10834 \@date \end{tabular}\par}%
10835 \fi

```



```

10836 \vspace{2\parskip}%
10837 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \toaddress \par}%
10838 \vspace{2\parskip}%
10839 #1\par\nobreak}
10840 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
10841 \stopbreaks
10842 \noindent
10843 \ifx\@empty\fromaddress\else
10844 \hspace*{\longindentation}\fi
10845 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
10846 \ignorespaces #1\ [6\medskipamount]}%
10847 \ifx\@empty\fromsig
10848 \fromname
10849 \else \fromsig \fi\strut}%
10850 \par}
10851 \renewcommand\left@footnoterule{%
10852 \kern-\p@
10853 \hrule \@width .4\columnwidth
10854 \kern .6\p@}
10855 \renewcommand\right@footnoterule{%
10856 \kern-\p@
10857 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10858 \kern .6\p@}

```

79 File extrafootnotefeatures-xetex-bidi.def

```

10859 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2018/10/11 v1.7 bidi extra footnote feat
10860 \newif\if@bidi@void@footins
10861 \newif\if@bidi@void@mpfootins
10862 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
10863 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
10864 \if@bidi@csundef{HLTR@@LTRfootnotetext}{}{%
10865 \ifHy@hyperfootnotes
10866 \let\@H@@footnotetext\@footnotetext
10867 \let\@HLTR@@LTRfootnotetext\@LTRfootnotetext
10868 \let\@HRTL@@RTLfootnotetext\@RTLfootnotetext
10869 \let\@H@@mpfootnotetext\@mpfootnotetext
10870 \let\@HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
10871 \let\@HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
10872 \fi
10873 }%
10874 }%
10875 }
10876 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
10877 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
10878 \if@bidi@csundef{HLTR@@LTRfootnotetext}{}{%
10879 \ifHy@hyperfootnotes
10880 \let\H@@footnotetext\@footnotetext
10881 \let\@footnotetext\@H@@footnotetext
10882 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
10883 \let\@LTRfootnotetext\@HLTR@@LTRfootnotetext
10884 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
10885 \let\@RTLfootnotetext\@HRTL@@RTLfootnotetext
10886 \let\H@@mpfootnotetext\@mpfootnotetext

```



```

10887 \let\@mpfootnotetext\@@H\@mpfootnotetext
10888 \let\HLTR\@mpLTRfootnotetext\@mpLTRfootnotetext
10889 \let\@mpLTRfootnotetext\@@HLTR\@mpLTRfootnotetext
10890 \let\HRTL\@mpRTLfootnotetext\@mpRTLfootnotetext
10891 \let\@mpRTLfootnotetext\@@HRTL\@mpRTLfootnotetext
10892 \fi
10893 }%
10894 }%
10895 }
10896 \let\autofootnoterule\relax
10897 \let\rightfootnoterule\relax
10898 \let\leftfootnoterule\relax
10899 \let\textwidthfootnoterule\relax
10900 \let\LRfootnoterule\relax
10901 \def\footnoterule{\kern-3\p@
10902 \hrule \@width \columnwidth \kern 2.6\p@}
10903 \newcommand{\@preamnormalfmt}{%
10904 \parindent 1em%
10905 \noindent
10906 }
10907 \newcommand{\@normalfootfmt}[1]{%
10908 \@preamnormalfmt
10909 \footfootmark
10910 \rule{z@\footnotesep}{\ignorespaces{\foottextfont #1}%
10911 \@finalstrut\strutbox
10912 }
10913 \newcommand{\@normalRTLfootfmt}[1]{%
10914 \@preamnormalfmt
10915 \RTLfootfootmark
10916 \rule{z@\footnotesep}{\ignorespaces{\RTLfoottextfont #1}%
10917 \@finalstrut\strutbox
10918 }
10919 \newcommand{\@normalLTRfootfmt}[1]{%
10920 \@preamnormalfmt
10921 \LTRfootfootmark
10922 \rule{z@\footnotesep}{\ignorespaces{\LTRfoottextfont #1}%
10923 \@finalstrut\strutbox
10924 }
10925 \renewcommand{\@footnotetext}[1]{%
10926 \insert\footins{%
10927 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10928 \def\baselinestretch{\m@m@footnote@spacing}%
10929 \reset@font
10930 \foottextfont
10931 \@preamfntext
10932 \hsize\columnwidth
10933 \protected@edef\@currentlabel{%
10934 \csname p@footnote\endcsname\@thefnmark}%
10935 \color@begingroup
10936 \@normalfootfmt{#1}%
10937 \color@endgroup}%
10938 \m@mmf@prepare}
10939 \renewcommand{\@RTLfootnotetext}[1]{%
10940 \insert\footins{%

```



```

10941 \RTLtrue%
10942 \def\baselinestretch{\m@m@footnote@spacing}%
10943 \reset@font
10944 \RTLfoottextfont
10945 \@preamfntext
10946 \hsize\columnwidth
10947 \protected@edef\@currentlabel{%
10948 \csname p@footnote\endcsname\@thefnmark}%
10949 \color@begingroup
10950 \@normalRTLfootfmt{#1}%
10951 \color@endgroup}%
10952 \m@mmf@prepare}
10953 \renewcommand{\@LTRfootnotetext}[1]{%
10954 \insert\footins{%
10955 \RTLfalse%
10956 \def\baselinestretch{\m@m@footnote@spacing}%
10957 \reset@font
10958 \LTRfoottextfont
10959 \@preamfntext
10960 \hsize\columnwidth
10961 \protected@edef\@currentlabel{%
10962 \csname p@footnote\endcsname\@thefnmark}%
10963 \color@begingroup
10964 \@normalLTRfootfmt{#1}%
10965 \color@endgroup}%
10966 \m@mmf@prepare}
10967 \renewcommand{\@mpfootnotetext}[1]{%
10968 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10969 \unvbox\@mpfootins
10970 \def\baselinestretch{\m@m@footnote@spacing}%
10971 \reset@font%
10972 \foottextfont \hsize\columnwidth \@parboxrestore
10973 \protected@edef\@currentlabel{%
10974 \csname p@mpfootnote\endcsname\@thefnmark}%
10975 \color@begingroup
10976 \@normalfootfmt{#1}%
10977 \color@endgroup}}
10978 \renewcommand{\@mplTRfootnotetext}[1]{%
10979 \global\setbox\@mpfootins\vbox{\@RTLfalse%
10980 \unvbox\@mpfootins
10981 \def\baselinestretch{\m@m@footnote@spacing}%
10982 \reset@font%
10983 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
10984 \protected@edef\@currentlabel{%
10985 \csname p@mpfootnote\endcsname\@thefnmark}%
10986 \color@begingroup
10987 \@normalLTRfootfmt{#1}%
10988 \color@endgroup}}
10989 \renewcommand{\@mpRTLfootnotetext}[1]{%
10990 \global\setbox\@mpfootins\vbox{\@RTLtrue%
10991 \unvbox\@mpfootins
10992 \def\baselinestretch{\m@m@footnote@spacing}%
10993 \reset@font%
10994 \RTLfoottextfont \hsize\columnwidth \@parboxrestore

```



```

10995 \protected@edef\@currentlabel{%
10996 \csname p@mpfootnote\endcsname\@thefnmark}%
10997 \color@begingroup
10998 \normalRTLfootfmt{#1}%
10999 \color@endgroup}}
11000 \let\m@mold@footnotetext\@footnotetext
11001 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
11002 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
11003 \let\m@mold@mpfootnotetext\@mpfootnotetext
11004 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
11005 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
11006 \bidi@ensure@newcommand{\normalfootnotes}{%
11007 \@bidi@before@Hy@hyperfootnotes
11008 \let\@footnotetext\m@mold@footnotetext
11009 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
11010 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
11011 \let\@mpfootnotetext\m@mold@mpfootnotetext
11012 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
11013 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
11014 \@bidi@after@Hy@hyperfootnotes
11015 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11016 }
11017 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
11018 \bidi@ensure@newcommand*\{RTLcolumnfootnotes}{\RTLcolumnfootnotetrue}
11019 \bidi@ensure@newcommand*\{LTRcolumnfootnotes}{\RTLcolumnfootnotetrue}
11020 \bidi@ensure@newcommand*\{setSingleSpace}[1]{%
11021 \def\m@m@singlespace{#1}%
11022 \def\m@m@footnote@spacing{#1}%
11023 \def\m@m@float@spacing{#1} %
11024 }
11025 \setSingleSpace{1}
11026 \bidi@ensure@newcommand*\{multiplefootnotemarker}{3sp}
11027 \bidi@ensure@newcommand*\{m@m@mf@prepare}{%
11028 \kern-\multiplefootnotemarker
11029 \kern\multiplefootnotemarker\relax}
11030 \bidi@ensure@newlength{footmarkwidth}
11031 \bidi@ensure@newcommand*\{footmarkstyle}[1]{\def\footscript##1{#1}}
11032 \bidi@ensure@newcommand*\{LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
11033 \bidi@ensure@newcommand*\{RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
11034 \bidi@ensure@newcommand{\footfootmark}{%
11035 \ifdim\footmarkwidth < \z@
11036 \llap{\hb@xt@ -\footmarkwidth{%
11037 \hss\normalfont\footscript{\@thefnmark}}}%
11038 \hspace*{-\footmarkwidth}}%
11039 \else
11040 \ifdim\footmarkwidth = \z@
11041 {\normalfont\footscript{\@thefnmark}}%
11042 \else
11043 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
11044 \fi
11045 \fi}
11046 \bidi@ensure@newcommand{\LTRfootfootmark}{%
11047 \ifdim\footmarkwidth < \z@
11048 \llap{\hb@xt@ -\footmarkwidth{%

```



```

11049         \hss\normalfont\LTRfootscript{\@thefnmark}}%
11050         \hspace*{-\footmarkwidth}}%
11051     \else
11052         \ifdim\footmarkwidth = \z@
11053             {\normalfont\LTRfootscript{\@thefnmark}}%
11054         \else
11055             \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
11056         \fi
11057     \fi}
11058 \bidi@ensure@newcommand{\RTLfootfootmark}{%
11059     \ifdim\footmarkwidth < \z@
11060         \llap{\hb@xt@ -\footmarkwidth{%
11061             \hss\normalfont\RTLfootscript{\@thefnmark}}%
11062             \hspace*{-\footmarkwidth}}%
11063     \else
11064         \ifdim\footmarkwidth = \z@
11065             {\normalfont\RTLfootscript{\@thefnmark}}%
11066         \else
11067             \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
11068         \fi
11069     \fi}
11070 \footmarkstyle{\textsuperscript{#1}}
11071 \LTRfootmarkstyle{\textsuperscript{#1}}
11072 \RTLfootmarkstyle{\textsuperscript{#1}}
11073 \newcommand*{\bidi@normal@footmarkwidth}{%
11074     \setlength{\footmarkwidth}{1em plus.4em minus.4em}%
11075 }
11076 \newcommand*{\bidi@star@footmarkwidth}{%
11077     \setlength{\footmarkwidth}{0em plus.4em minus.4em}%
11078 }
11079 \bidi@normal@footmarkwidth
11080 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
11081 \bidi@ensure@newcommand*{\extrafeetins}{%
11082     \setbox\@outputbox \vbox{%
11083         \boxmaxdepth \@maxdepth
11084         \unvbox\@outputbox
11085         \ifvoid\footinsv@r
11086             \ifvoid\footinsv@l
11087             \else
11088                 \@footstartv@l
11089                 \@LTRfootgroupv@l
11090             \fi
11091         \else
11092             \@footstartv@r
11093             \@footgroupv@r
11094             \ifvoid\footinsv@l
11095             \else
11096                 \@@footstart@@v@l
11097                 \@LTRfootgroupv@l
11098             \fi
11099         \fi
11100         \ifvoid\@bidi@copyins@
11101         \else
11102             \vskip \skip\@bidi@copyins@

```



```

11103      \color@begingroup
11104      \normalcolor
11105      \unvbox \@bidi@copyins@
11106      \color@endgroup
11107      \fi
11108      \extrafeetinshook}}
11109 \bidi@ensure@newcommand{\extrafeetinshook}{\fi}
11110 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
11111 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
11112 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
11113 \bidi@ensure@newlength{\footinsdim}
11114 \setlength{\footinsdim}{8in} % standard for \dimen\footins
11115 \bidi@ensure@newcommand{\@preamfntext}{\fi}
11116 \interlinepenalty\interfootnotelinepenalty
11117 \floatingpenalty \@MM
11118 \splittopskip=\footnotesep
11119 \splitmaxdepth=\dp\strutbox
11120 \@parboxrestore}
11121 \bidi@ensure@newcommand{\m@mmdoextrafeetmini}{\fi}
11122 \extrafeetminihook}
11123 \bidi@ensure@newcommand{\extrafeetendmini}{\fi}
11124 \ifvoid\@mpfootinsv@r
11125   \ifvoid\@mpfootinsv@l
11126   \else
11127     \vskip\skip\@mpfootins
11128     \normalcolor
11129     \if@bidi@void@\@mpfootins
11130       \footnoterule
11131     \fi
11132     \mp@LTRfootgroupv@l
11133   \fi
11134 \else
11135   \vskip\skip\@mpfootins
11136   \normalcolor
11137   \if@bidi@void@\@mpfootins
11138     \footnoterule
11139   \fi
11140   \mp@footgroupv@r
11141   \ifvoid\@mpfootinsv@l
11142   \else
11143     \vskip\skip\@mpfootins
11144     \normalcolor\mp@LTRfootgroupv@l
11145   \fi
11146 \fi
11147 \extrafeetendminihook}
11148 \bidi@ensure@newcommand{\extrafeetendminihook}{\fi}
11149 \bidi@ensure@newcommand{\m@mmdoextrafeetendmini}{\extrafeetendmini}
11150 \def\endminipage{%
11151   \par
11152   \unskip
11153   \ifvoid\@mpfootins
11154     \global\@bidi@void@\@mpfootinstrue
11155   \else
11156     \global\@bidi@void@\@mpfootinsfalse

```




```

11157 \vskip\skip\@mpfootins
11158 \normalcolor
11159 \footnoterule
11160 \unvbox\@mpfootins
11161 \fi
11162 \m@doextrafeetendmini
11163 \@minipagefalse
11164 \color@endgroup
11165 \egroup
11166 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11167 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
11168 \namedef{\footstart#1}{%
11169 \bidi@mopfn@bottom
11170 \leftskip=\z@
11171 \rightskip=\z@
11172 \parindent=\z@
11173 \vskip\skip\footins
11174 \footnoterule}}
11175 \newinsert\footinsv@r
11176 \skip\footinsv@r\bigskipamount
11177 \count\footinsv@r=1000 % no magnification
11178 \dimen\footinsv@r=\footinsdim
11179 \m@make@footstart{v@r}
11180 \newinsert\footinsv@l
11181 \skip\footinsv@l\bigskipamount
11182 \bidi@ensure@newcommand{\@footgroupv@r}{}
11183 \newinsert\@mpfootinsv@r
11184 \newinsert\@mpfootinsv@l
11185 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
11186 \newcount\m@m@k \newdimen\m@m@h
11187 \@ifpackageloaded{multicol}{%
11188 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
11189 \hsize\textwidth
11190 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
11191 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
11192 }{%
11193 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
11194 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
11195 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}}
11196 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
11197 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
11198 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
11199 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
11200 \setbox2 \vsplit0 to \dimen0
11201 \unvbox2 }
11202 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
11203 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
11204 \@bidi@before@Hy@hyperfootnotes
11205 \let\@footnotetext\@twocolfootnotetext
11206 \let\@LTRfootnotetext\@twocolLTRfootnotetext
11207 \let\@RTLfootnotetext\@twocolRTLfootnotetext
11208 \dimen\footinsv@r=2\footinsdim
11209 \count\footinsv@r=500\relax
11210 \m@make@twocol@footgroup{v@r}%

```



```

11211 \let\@footgroupv@r\@twocol@footgroupv@r
11212 \let\@mpfootnotetext\@mptwocolfootnotetext
11213 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
11214 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
11215 \@bidi@after@Hy@hyperfootnotes
11216 \m@make@mptwocol@footgroup{v@r}%
11217 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
11218 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11219 }
11220 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
11221 \def\baselinestretch{\m@f@footnote@spacing}%
11222 \reset@font\foottextfont
11223 \@preamfntext
11224 \protected@edef\@currentlabel{%
11225 \csname p@footnote\endcsname\@thefnmark}%
11226 \color@begingroup
11227 \@twocolfootfmt{#1}%
11228 \color@endgroup}%
11229 \m@mmf@prepare}
11230 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
11231 \def\baselinestretch{\m@f@footnote@spacing}%
11232 \reset@font\LTRfoottextfont
11233 \@preamfntext
11234 \protected@edef\@currentlabel{%
11235 \csname p@footnote\endcsname\@thefnmark}%
11236 \color@begingroup
11237 \@twocolLTRfootfmt{#1}%
11238 \color@endgroup}%
11239 \m@mmf@prepare}
11240 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11241 \def\baselinestretch{\m@f@footnote@spacing}%
11242 \reset@font\RTLfoottextfont
11243 \@preamfntext
11244 \protected@edef\@currentlabel{%
11245 \csname p@footnote\endcsname\@thefnmark}%
11246 \color@begingroup
11247 \@twocolRTLfootfmt{#1}%
11248 \color@endgroup}%
11249 \m@mmf@prepare}
11250 \bidi@ensure@newcommand{\@preamtwofmt}{%
11251 \hsize .45\hsize
11252 \parindent=\z@
11253 \tolerance=5000\relax
11254 \leavevmode}
11255 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
11256 \@preamtwofmt
11257 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11258 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
11259 \@preamtwofmt
11260 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11261 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
11262 \@preamtwofmt
11263 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11264 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%

```



```

11265 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11266 \unvbox\@mpfootinsv@r
11267 \def\baselinestretch{\m@m@footnote@spacing}%
11268 \reset@font\foottextfont
11269 \hsize\columnwidth \@parboxrestore
11270 \protected@edef\@currentlabel{%
11271 \csname p@mpfootnote\endcsname\@thefnmark}%
11272 \color@begingroup
11273 \@twocolfootfmt{#1}%
11274 \color@endgroup}%
11275 \m@m@mmf@prepare}
11276 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
11277 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11278 \unvbox\@mpfootinsv@r
11279 \def\baselinestretch{\m@m@footnote@spacing}%
11280 \reset@font\LTRfoottextfont
11281 \hsize\columnwidth \@parboxrestore
11282 \if@RTLcolumnfootnotes\beginL\fi
11283 \protected@edef\@currentlabel{%
11284 \csname p@mpfootnote\endcsname\@thefnmark}%
11285 \color@begingroup
11286 \@twocolLTRfootfmt{#1}%
11287 \color@endgroup}%
11288 \m@m@mmf@prepare}
11289 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
11290 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11291 \unvbox\@mpfootinsv@r
11292 \def\baselinestretch{\m@m@footnote@spacing}%
11293 \reset@font\RTLfoottextfont
11294 \hsize\columnwidth \@parboxrestore
11295 \protected@edef\@currentlabel{%
11296 \csname p@mpfootnote\endcsname\@thefnmark}%
11297 \color@begingroup
11298 \@twocolRTLfootfmt{#1}%
11299 \color@endgroup}%
11300 \m@m@mmf@prepare}
11301 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
11302 \@namedef{@twocol@footgroup#1}{%
11303 \def\baselinestretch{\m@m@footnote@spacing}%
11304 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11305 \m@m@rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
11306 \bidi@ensure@newcommand{\m@make@emptwocol@footgroup}[1]{%
11307 \@namedef{@emptwocol@footgroup#1}{%
11308 \def\baselinestretch{\m@m@footnote@spacing}%
11309 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11310 \m@m@rigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}%
11311 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
11312 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11313 \@bidi@before@Hy@hyperfootnotes
11314 \let\@footnotetext\@threecolfootnotetext
11315 \let\@LTRfootnotetext\@threecolLTRfootnotetext
11316 \let\@RTLfootnotetext\@threecolRTLfootnotetext
11317 \dimen\footinsv@r=3\footinsdim
11318 \count\footinsv@r=333\relax

```



```

11319 \m@make@threecol@footgroup{v@r}%
11320 \let\@footgroupv@r\@threecol@footgroupv@r
11321 \let\@mpfootnotetext\@mpthreecolfootnotetext
11322 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
11323 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
11324 \@bidi@after@Hy@hyperfootnotes
11325 \m@make@mpthreecol@footgroup{v@r}%
11326 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
11327 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
11328 }
11329 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
11330 \def\baselinestretch{\m@m@footnote@spacing}%
11331 \reset@font\foottextfont
11332 \@preamfntext
11333 \protected@edef\@currentlabel{%
11334 \csname p@footnote\endcsname\@thefnmark}%
11335 \color@begingroup
11336 \@threecolfootfmt{#1}%
11337 \color@endgroup}\m@mmf@prepare}
11338 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
11339 \def\baselinestretch{\m@m@footnote@spacing}%
11340 \reset@font\LTRfoottextfont
11341 \@preamfntext
11342 \protected@edef\@currentlabel{%
11343 \csname p@footnote\endcsname\@thefnmark}%
11344 \color@begingroup
11345 \@threecolLTRfootfmt{#1}%
11346 \color@endgroup}\m@mmf@prepare}
11347 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11348 \def\baselinestretch{\m@m@footnote@spacing}%
11349 \reset@font\RTLfoottextfont
11350 \@preamfntext
11351 \protected@edef\@currentlabel{%
11352 \csname p@footnote\endcsname\@thefnmark}%
11353 \color@begingroup
11354 \@threecolRTLfootfmt{#1}%
11355 \color@endgroup}\m@mmf@prepare}
11356 \bidi@ensure@newcommand{\@preamthreefmt}{%
11357 \hsize .3\hsize
11358 \parindent=\z@
11359 \tolerance=5000\relax
11360 \leavevmode}
11361 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
11362 \@preamthreefmt
11363 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11364 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
11365 \@preamthreefmt
11366 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11367 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
11368 \@preamthreefmt
11369 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11370 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
11371 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11372 \unvbox\@mpfootinsv@r

```



```

11373 \def\baselinestretch{\m@m@footnote@spacing}%
11374 \reset@font\foottextfont
11375 \hsize\columnwidth \@parboxrestore
11376 \protected@edef\@currentlabel{%
11377 \csname p@mpfootnote\endcsname\@thefnmark}%
11378 \color@begingroup
11379 \@threecolfootfmt{#1}%
11380 \color@endgroup}\m@mmf@prepare}
11381 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
11382 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11383 \unvbox\@mpfootinsv@r
11384 \def\baselinestretch{\m@m@footnote@spacing}%
11385 \reset@font\LTRfoottextfont
11386 \hsize\columnwidth \@parboxrestore
11387 \if@RTLcolumnfootnotes\beginL\fi
11388 \protected@edef\@currentlabel{%
11389 \csname p@mpfootnote\endcsname\@thefnmark}%
11390 \color@begingroup
11391 \@threecolLTRfootfmt{#1}%
11392 \color@endgroup}\m@mmf@prepare}
11393 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
11394 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11395 \unvbox\@mpfootinsv@r
11396 \def\baselinestretch{\m@m@footnote@spacing}%
11397 \reset@font\RTLfoottextfont
11398 \hsize\columnwidth \@parboxrestore
11399 \protected@edef\@currentlabel{%
11400 \csname p@mpfootnote\endcsname\@thefnmark}%
11401 \color@begingroup
11402 \@threecolRTLfootfmt{#1}%
11403 \color@endgroup}\m@mmf@prepare}
11404 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
11405 \@namedef{\@threecol@footgroup#1}{%
11406 \def\baselinestretch{\m@m@footnote@spacing}%
11407 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11408 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@{\splittopskip}}}}
11409 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
11410 \@namedef{\@mpthreecol@footgroup#1}{%
11411 \def\baselinestretch{\m@m@footnote@spacing}%
11412 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11413 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{\thr@@{\splittopskip}}}}
11414 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
11415 \@namedef{foottextfontv@r}{\foottextfont}% \quad [RS]
11416 \@bidi@before@Hy@hyperfootnotes
11417 \let\@footnotetext\@fourcolfootnotetext
11418 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
11419 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
11420 \dimen\footinsv@r=4\footinsdim
11421 \count\footinsv@r=250\relax
11422 \m@make@fourcol@footgroup{v@r}%
11423 \let\@footgroupv@r\@fourcol@footgroupv@r
11424 \let\@mpfootnotetext\@mpfourcolfootnotetext
11425 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
11426 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext

```



```

11427 \@bidi@after@Hy@hyperfootnotes
11428 \m@make@mpfourcol@footgroup{v@r}%
11429 \let@mp@footgroupv@r\@mpfourcol@footgroupv@r
11430 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11431 }
11432 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
11433 \def\baselinestretch{\m@m@footnote@spacing}%
11434 \reset@font\foottextfont
11435 \@preamfntext
11436 \protected@edef\@currentlabel{%
11437 \csname p@footnote\endcsname\@thefnmark}%
11438 \color@begingroup
11439 \@fourcolfootfmt{#1}%
11440 \color@endgroup}%
11441 \m@mmf@prepare}
11442 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
11443 \def\baselinestretch{\m@m@footnote@spacing}%
11444 \reset@font\LTRfoottextfont
11445 \@preamfntext
11446 \protected@edef\@currentlabel{%
11447 \csname p@footnote\endcsname\@thefnmark}%
11448 \color@begingroup
11449 \@fourcolLTRfootfmt{#1}%
11450 \color@endgroup}%
11451 \m@mmf@prepare}
11452 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11453 \def\baselinestretch{\m@m@footnote@spacing}%
11454 \reset@font\RTLfoottextfont
11455 \@preamfntext
11456 \protected@edef\@currentlabel{%
11457 \csname p@footnote\endcsname\@thefnmark}%
11458 \color@begingroup
11459 \@fourcolRTLfootfmt{#1}%
11460 \color@endgroup}%
11461 \m@mmf@prepare}
11462 \bidi@ensure@newcommand{\@preamfourfmt}{%
11463 \hspace{.25\hspace}
11464 \parindent=\z@
11465 \tolerance=5000\relax
11466 \leavevmode}
11467 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
11468 \@preamfourfmt
11469 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11470 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
11471 \@preamfourfmt
11472 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11473 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
11474 \@preamfourfmt
11475 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11476 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
11477 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11478 \unvbox\@mpfootinsv@r
11479 \def\baselinestretch{\m@m@footnote@spacing}%
11480 \reset@font\foottextfont

```



```

11481 \hsize\columnwidth \@parboxrestore
11482 \protected@edef\@currentlabel{%
11483 \csname p@mpfootnote\endcsname\@thefnmark}%
11484 \color@begingroup
11485 \@fourcolfootfmt{#1}%
11486 \color@endgroup}%
11487 \m@mmf@prepare}
11488 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
11489 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11490 \unvbox\@mpfootinsv@r
11491 \def\baselinestretch{\m@m@footnote@spacing}%
11492 \reset@font\LTRfoottextfont
11493 \hsize\columnwidth \@parboxrestore
11494 \if@RTLcolumnfootnotes\beginL\fi
11495 \protected@edef\@currentlabel{%
11496 \csname p@mpfootnote\endcsname\@thefnmark}%
11497 \color@begingroup
11498 \@fourcolLTRfootfmt{#1}%
11499 \color@endgroup}%
11500 \m@mmf@prepare}
11501 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
11502 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11503 \unvbox\@mpfootinsv@r
11504 \def\baselinestretch{\m@m@footnote@spacing}%
11505 \reset@font\RTLfoottextfont
11506 \hsize\columnwidth \@parboxrestore
11507 \protected@edef\@currentlabel{%
11508 \csname p@mpfootnote\endcsname\@thefnmark}%
11509 \color@begingroup
11510 \@fourcolRTLfootfmt{#1}%
11511 \color@endgroup}%
11512 \m@mmf@prepare}
11513 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
11514 \@namedef{\@fourcol@footgroup#1}{%
11515 \def\baselinestretch{\m@m@footnote@spacing}%
11516 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11517 \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
11518 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
11519 \@namedef{\@mpfourcol@footgroup#1}{%
11520 \def\baselinestretch{\m@m@footnote@spacing}%
11521 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11522 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{4}{\splittopskip}}}%
11523 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
11524 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11525 \@bidi@before@Hy@hyperfootnotes
11526 \let\@footnotetext\@fivecolfootnotetext
11527 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
11528 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
11529 \dimen\footinsv@r=5\footinsdim
11530 \count\footinsv@r=200\relax
11531 \m@make@fivecol@footgroup{v@r}%
11532 \let\@footgroupv@r\@fivecol@footgroupv@r
11533 \let\@mpfootnotetext\@mpfivecolfootnotetext
11534 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext

```



```

11535 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
11536 \@bidi@after@Hy@hyperfootnotes
11537 \m@make@mpfivecol@footgroup{v@r}%
11538 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
11539 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11540 }
11541 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
11542 \def\baselinestretch{\m@m@footnote@spacing}%
11543 \reset@font\foottextfont
11544 \@preamfntext
11545 \protected@edef\@currentlabel{%
11546 \csname p@footnote\endcsname\@thefnmark}%
11547 \color@begingroup
11548 \@fivecolfootfmt{#1}%
11549 \color@endgroup}%
11550 \m@mmf@prepare}
11551 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
11552 \def\baselinestretch{\m@m@footnote@spacing}%
11553 \reset@font\LTRfoottextfont
11554 \@preamfntext
11555 \protected@edef\@currentlabel{%
11556 \csname p@footnote\endcsname\@thefnmark}%
11557 \color@begingroup
11558 \@fivecolLTRfootfmt{#1}%
11559 \color@endgroup}%
11560 \m@mmf@prepare}
11561 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11562 \def\baselinestretch{\m@m@footnote@spacing}%
11563 \reset@font\RTLfoottextfont
11564 \@preamfntext
11565 \protected@edef\@currentlabel{%
11566 \csname p@footnote\endcsname\@thefnmark}%
11567 \color@begingroup
11568 \@fivecolRTLfootfmt{#1}%
11569 \color@endgroup}%
11570 \m@mmf@prepare}
11571 \bidi@ensure@newcommand{\@preamfivefmt}{%
11572 \hspace{.2\hspace}
11573 \parindent=\z@
11574 \tolerance=5000\relax
11575 \leavevmode}
11576 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
11577 \@preamfivefmt
11578 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11579 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
11580 \@preamfivefmt
11581 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11582 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
11583 \@preamfivefmt
11584 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11585 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
11586 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
11587 \unvbox\@mpfootinsv@r
11588 \def\baselinestretch{\m@m@footnote@spacing}%

```




```

11589 \reset@font\foottextfont
11590 \hsize\columnwidth \@parboxrestore
11591 \protected@edef\@currentlabel{%
11592 \csname p@mpfootnote\endcsname\@thefnmark}%
11593 \color@begingroup
11594 \@fivecolfootfmt{#1}%
11595 \color@endgroup}%
11596 \m@mmlf@prepare}
11597 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
11598 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11599 \unvbox\@mpfootinsv@r
11600 \def\baselinestretch{\m@m@footnote@spacing}%
11601 \reset@font\LTRfoottextfont
11602 \hsize\columnwidth \@parboxrestore
11603 \if@RTLcolumnfootnotes\beginL\fi
11604 \protected@edef\@currentlabel{%
11605 \csname p@mpfootnote\endcsname\@thefnmark}%
11606 \color@begingroup
11607 \@fivecolLTRfootfmt{#1}%
11608 \color@endgroup}%
11609 \m@mmlf@prepare}
11610 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
11611 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11612 \unvbox\@mpfootinsv@r
11613 \def\baselinestretch{\m@m@footnote@spacing}%
11614 \reset@font\RTLfoottextfont
11615 \hsize\columnwidth \@parboxrestore
11616 \protected@edef\@currentlabel{%
11617 \csname p@mpfootnote\endcsname\@thefnmark}%
11618 \color@begingroup
11619 \@fivecolRTLfootfmt{#1}%
11620 \color@endgroup}%
11621 \m@mmlf@prepare}
11622 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
11623 \@namedef{fivecol@footgroup#1}{%
11624 \def\baselinestretch{\m@m@footnote@spacing}%
11625 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11626 \m@mrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
11627 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
11628 \@namedef{mpfivecol@footgroup#1}{%
11629 \def\baselinestretch{\m@m@footnote@spacing}%
11630 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11631 \m@mrigidbalance{\@nameuse{mpfootins#1}}{5}{\splittopskip}}}%
11632 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
11633 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11634 \@bidi@before@Hy@hyperfootnotes
11635 \let\@footnotetext\@sixcolfootnotetext
11636 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
11637 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
11638 \dimen\footinsv@r=6\footinsdim
11639 \count\footinsv@r=166\relax
11640 \m@make@sixcol@footgroup{v@r}%
11641 \let\@footgroupv@r\@sixcol@footgroupv@r
11642 \let\@mpfootnotetext\@mpsixcolfootnotetext

```



```

11643 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
11644 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
11645 \@bidi@after@Hy@hyperfootnotes
11646 \m@make@mpsixcol@footgroup{v@r}%
11647 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
11648 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
11649 }
11650 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
11651 \def\baselinestretch{\m@{footnote@spacing}%
11652 \reset@font\foottextfont
11653 \@preamfntext
11654 \protected@edef\@currentlabel{%
11655 \csname p@footnote\endcsname\@thefnmark}%
11656 \color@begingroup
11657 \@sixcolfootfmt{#1}%
11658 \color@endgroup}%
11659 \m@mmf@prepare}
11660 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
11661 \def\baselinestretch{\m@{footnote@spacing}%
11662 \reset@font\LTRfoottextfont
11663 \@preamfntext
11664 \protected@edef\@currentlabel{%
11665 \csname p@footnote\endcsname\@thefnmark}%
11666 \color@begingroup
11667 \@sixcolLTRfootfmt{#1}%
11668 \color@endgroup}%
11669 \m@mmf@prepare}
11670 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11671 \def\baselinestretch{\m@{footnote@spacing}%
11672 \reset@font\RTLfoottextfont
11673 \@preamfntext
11674 \protected@edef\@currentlabel{%
11675 \csname p@footnote\endcsname\@thefnmark}%
11676 \color@begingroup
11677 \@sixcolRTLfootfmt{#1}%
11678 \color@endgroup}%
11679 \m@mmf@prepare}
11680 \bidi@ensure@newcommand{\@preamsixfmt}{%
11681 \hsize .16\hsize
11682 \parindent=\z@
11683 \tolerance=5000\relax
11684 \leavevmode}
11685 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
11686 \@preamsixfmt
11687 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11688 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
11689 \@preamsixfmt
11690 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11691 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
11692 \@preamsixfmt
11693 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11694 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
11695 \global\setbox\@mpfootinsv@r\vbox{%
11696 \unvbox\@mpfootinsv@r

```



```

11697 \def\baselinestretch{\m@m@footnote@spacing}%
11698 \reset@font\foottextfont
11699 \hsize\columnwidth \@parboxrestore
11700 \protected@edef\@currentlabel{%
11701 \csname p@mpfootnote\endcsname\@thefnmark}%
11702 \color@begingroup
11703 \@sixcolfootfmt{#1}%
11704 \color@endgroup}%
11705 \m@m@mmf@prepare}
11706 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
11707 \global\setbox\@mpfootinsv@r\vbox{%
11708 \unvbox\@mpfootinsv@r
11709 \def\baselinestretch{\m@m@footnote@spacing}%
11710 \reset@font\LTRfoottextfont
11711 \hsize\columnwidth \@parboxrestore
11712 \if@RTLcolumnfootnotes\beginL\fi
11713 \protected@edef\@currentlabel{%
11714 \csname p@mpfootnote\endcsname\@thefnmark}%
11715 \color@begingroup
11716 \@sixcolLTRfootfmt{#1}%
11717 \color@endgroup}%
11718 \m@m@mmf@prepare}
11719 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
11720 \global\setbox\@mpfootinsv@r\vbox{%
11721 \unvbox\@mpfootinsv@r
11722 \def\baselinestretch{\m@m@footnote@spacing}%
11723 \reset@font\RTLfoottextfont
11724 \hsize\columnwidth \@parboxrestore
11725 \protected@edef\@currentlabel{%
11726 \csname p@mpfootnote\endcsname\@thefnmark}%
11727 \color@begingroup
11728 \@sixcolRTLfootfmt{#1}%
11729 \color@endgroup}%
11730 \m@m@mmf@prepare}
11731 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
11732 \@namedef{\@sixcol@footgroup#1}{%
11733 \def\baselinestretch{\m@m@footnote@spacing}%
11734 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11735 \m@m@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
11736 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
11737 \@namedef{\@mpsixcol@footgroup#1}{%
11738 \def\baselinestretch{\m@m@footnote@spacing}%
11739 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11740 \m@m@rigidbalance{\@nameuse{\@mpfootins#1}}{6}{\splittopskip}}}%
11741 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
11742 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11743 \@bidi@before@Hy@hyperfootnotes
11744 \let\@footnotetext\@sevendcolfootnotetext
11745 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
11746 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
11747 \dimen\footinsv@r=7\footinsdim
11748 \count\footinsv@r=142\relax
11749 \m@make@sevendcol@footgroup{v@r}%
11750 \let\@footgroupv@r\@sevendcol@footgroupv@r

```



```

11751 \let\@mpfootnotetext\@mpsevenscolfootnotetext
11752 \let\@mpLTRfootnotetext\@mpsevenscolLTRfootnotetext
11753 \let\@mpRTLfootnotetext\@mpsevenscolRTLfootnotetext
11754 \@bidi@after@Hy@hyperfootnotes
11755 \m@make@mpsevenscol@footgroup{v@r}%
11756 \let\mp@footgroupv@r\@mpsevenscol@footgroupv@r
11757 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11758 }
11759 \bidi@ensure@newcommand{\@sevenscolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
11760 \def\baselinestretch{\m@mp@footnote@spacing}%
11761 \reset@font\foottextfont
11762 \@preamfntext
11763 \protected@edef\@currentlabel{%
11764 \csname p@footnote\endcsname\@thefnmark}%
11765 \color@begingroup
11766 \@sevenscolfootfmt{#1}%
11767 \color@endgroup}%
11768 \m@mmf@prepare}
11769 \bidi@ensure@newcommand{\@sevenscolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
11770 \def\baselinestretch{\m@mp@footnote@spacing}%
11771 \reset@font\LTRfoottextfont
11772 \@preamfntext
11773 \protected@edef\@currentlabel{%
11774 \csname p@footnote\endcsname\@thefnmark}%
11775 \color@begingroup
11776 \@sevenscolLTRfootfmt{#1}%
11777 \color@endgroup}%
11778 \m@mmf@prepare}
11779 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11780 \def\baselinestretch{\m@mp@footnote@spacing}%
11781 \reset@font\RTLfoottextfont
11782 \@preamfntext
11783 \protected@edef\@currentlabel{%
11784 \csname p@footnote\endcsname\@thefnmark}%
11785 \color@begingroup
11786 \@sevenscolRTLfootfmt{#1}%
11787 \color@endgroup}%
11788 \m@mmf@prepare}
11789 \bidi@ensure@newcommand{\@preamsevenfmt}{%
11790 \hsize .142\hsize
11791 \parindent=\z@
11792 \tolerance=5000\relax
11793 \leavevmode}
11794 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
11795 \@preamsevenfmt
11796 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11797 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
11798 \@preamsevenfmt
11799 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11800 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
11801 \@preamsevenfmt
11802 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11803 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse
11804 \global\setbox\@mpfootinsv@r\vbox{%

```



```

11805 \unvbox\@mpfootinsv@r
11806 \def\baselinestretch{\m@m@footnote@spacing}%
11807 \reset@font\foottextfont
11808 \hsize\columnwidth \@parboxrestore
11809 \protected@edef\@currentlabel{%
11810 \csname p@mpfootnote\endcsname\@thefnmark}%
11811 \color@begingroup
11812 \@sevendcolfootfmt{#1}%
11813 \color@endgroup}%
11814 \m@m@mmf@prepare}
11815 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%
11816 \global\setbox\@mpfootinsv@r\vbox{%
11817 \unvbox\@mpfootinsv@r
11818 \def\baselinestretch{\m@m@footnote@spacing}%
11819 \reset@font\LTRfoottextfont
11820 \hsize\columnwidth \@parboxrestore
11821 \if@RTLcolumnfootnotes\beginL\fi
11822 \protected@edef\@currentlabel{%
11823 \csname p@mpfootnote\endcsname\@thefnmark}%
11824 \color@begingroup
11825 \@sevendcolLTRfootfmt{#1}%
11826 \color@endgroup}%
11827 \m@m@mmf@prepare}
11828 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{\@RTLtrue%
11829 \global\setbox\@mpfootinsv@r\vbox{%
11830 \unvbox\@mpfootinsv@r
11831 \def\baselinestretch{\m@m@footnote@spacing}%
11832 \reset@font\RTLfoottextfont
11833 \hsize\columnwidth \@parboxrestore
11834 \protected@edef\@currentlabel{%
11835 \csname p@mpfootnote\endcsname\@thefnmark}%
11836 \color@begingroup
11837 \@sevendcolRTLfootfmt{#1}%
11838 \color@endgroup}%
11839 \m@m@mmf@prepare}
11840 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
11841 \@namedef{@sevendcol@footgroup#1}{%
11842 \def\baselinestretch{\m@m@footnote@spacing}%
11843 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11844 \m@m@rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
11845 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%
11846 \@namedef{@mpsevendcol@footgroup#1}{%
11847 \def\baselinestretch{\m@m@footnote@spacing}%
11848 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11849 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}%
11850 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
11851 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11852 \@bidi@before@Hy@hyperfootnotes
11853 \let\@footnotetext\@eightcolfootnotetext
11854 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
11855 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
11856 \dimen\footinsv@r=8\footinsdim
11857 \count\footinsv@r=125\relax
11858 \m@make@eightcol@footgroup{v@r}%

```



```

11859 \let\@footgroupv@r\@eightcol@footgroupv@r
11860 \let\@mpfootnotetext\@mpeightcolfootnotetext
11861 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
11862 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
11863 \@bidi@after@Hy@hyperfootnotes
11864 \m@make@mpeightcol@footgroup{v@r}%
11865 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
11866 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
11867 }
11868 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
11869 \def\baselinestretch{\m@f@footnote@spacing}%
11870 \reset@font\foottextfont
11871 \@preamfntext
11872 \protected@edef\@currentlabel{%
11873 \csname p@footnote\endcsname\@thefnmark}%
11874 \color@begingroup
11875 \@eightcolfootfmt{#1}%
11876 \color@endgroup}%
11877 \m@mmf@prepare}
11878 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
11879 \def\baselinestretch{\m@f@footnote@spacing}%
11880 \reset@font\LTRfoottextfont
11881 \@preamfntext
11882 \protected@edef\@currentlabel{%
11883 \csname p@footnote\endcsname\@thefnmark}%
11884 \color@begingroup
11885 \@eightcolLTRfootfmt{#1}%
11886 \color@endgroup}%
11887 \m@mmf@prepare}
11888 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11889 \def\baselinestretch{\m@f@footnote@spacing}%
11890 \reset@font\RTLfoottextfont
11891 \@preamfntext
11892 \protected@edef\@currentlabel{%
11893 \csname p@footnote\endcsname\@thefnmark}%
11894 \color@begingroup
11895 \@eightcolRTLfootfmt{#1}%
11896 \color@endgroup}%
11897 \m@mmf@prepare}
11898 \bidi@ensure@newcommand{\@preameightfmt}{%
11899 \hsize .125\hsize
11900 \parindent=\z@
11901 \tolerance=5000\relax
11902 \leavevmode}
11903 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
11904 \@preameightfmt
11905 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
11906 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
11907 \@preameightfmt
11908 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
11909 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
11910 \@preameightfmt
11911 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
11912 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%

```



```

11913 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11914 \unvbox\@mpfootinsv@r
11915 \def\baselinestretch{\m@m@footnote@spacing}%
11916 \reset@font\foottextfont
11917 \hsize\columnwidth \@parboxrestore
11918 \protected@edef\@currentlabel{%
11919 \csname p@mpfootnote\endcsname\@thefnmark}%
11920 \color@begingroup
11921 \@eightcolfootfmt{#1}%
11922 \color@endgroup}%
11923 \m@m@mmf@prepare}
11924 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
11925 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
11926 \unvbox\@mpfootinsv@r
11927 \def\baselinestretch{\m@m@footnote@spacing}%
11928 \reset@font\LTRfoottextfont
11929 \hsize\columnwidth \@parboxrestore
11930 \if@RTLcolumnfootnotes\beginL\fi
11931 \protected@edef\@currentlabel{%
11932 \csname p@mpfootnote\endcsname\@thefnmark}%
11933 \color@begingroup
11934 \@eightcolLTRfootfmt{#1}%
11935 \color@endgroup}%
11936 \m@m@mmf@prepare}
11937 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
11938 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
11939 \unvbox\@mpfootinsv@r
11940 \def\baselinestretch{\m@m@footnote@spacing}%
11941 \reset@font\RTLfoottextfont
11942 \hsize\columnwidth \@parboxrestore
11943 \protected@edef\@currentlabel{%
11944 \csname p@mpfootnote\endcsname\@thefnmark}%
11945 \color@begingroup
11946 \@eightcolRTLfootfmt{#1}%
11947 \color@endgroup}%
11948 \m@m@mmf@prepare}
11949 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
11950 \@namedef{@eightcol@footgroup#1}{%
11951 \def\baselinestretch{\m@m@footnote@spacing}%
11952 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11953 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
11954 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
11955 \@namedef{@mpeightcol@footgroup#1}{%
11956 \def\baselinestretch{\m@m@footnote@spacing}%
11957 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
11958 \m@mrigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}%
11959 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
11960 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
11961 \@bidi@before@Hy@hyperfootnotes
11962 \let\@footnotetext\@ninecolfootnotetext
11963 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
11964 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
11965 \dimen\footinsv@r=9\footinsdim
11966 \count\footinsv@r=111\relax

```



```

11967 \m@make@ninecol@footgroup{v@r}%
11968 \let\@footgroupv@r\@ninecol@footgroupv@r
11969 \let\@mpfootnotetext\@mpninecolfootnotetext
11970 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
11971 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
11972 \@bidi@after@Hy@hyperfootnotes
11973 \m@make@mpninecol@footgroup{v@r}%
11974 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
11975 \@ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
11976 }
11977 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
11978 \def\baselinestretch{\m@m@footnote@spacing}%
11979 \reset@font\foottextfont
11980 \@preamfntext
11981 \protected@edef\@currentlabel{%
11982 \csname p@footnote\endcsname\@thefnmark}%
11983 \color@begingroup
11984 \@ninecolfootfmt{#1}%
11985 \color@endgroup}%
11986 \m@mmf@prepare}
11987 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
11988 \def\baselinestretch{\m@m@footnote@spacing}%
11989 \reset@font\LTRfoottextfont
11990 \@preamfntext
11991 \protected@edef\@currentlabel{%
11992 \csname p@footnote\endcsname\@thefnmark}%
11993 \color@begingroup
11994 \@ninecolLTRfootfmt{#1}%
11995 \color@endgroup}%
11996 \m@mmf@prepare}
11997 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
11998 \def\baselinestretch{\m@m@footnote@spacing}%
11999 \reset@font\RTLfoottextfont
12000 \@preamfntext
12001 \protected@edef\@currentlabel{%
12002 \csname p@footnote\endcsname\@thefnmark}%
12003 \color@begingroup
12004 \@ninecolRTLfootfmt{#1}%
12005 \color@endgroup}%
12006 \m@mmf@prepare}
12007 \bidi@ensure@newcommand{\@preamninefmt}{%
12008 \hsize .1\hsize
12009 \parindent=\z@
12010 \tolerance=5000\relax
12011 \leavevmode}
12012 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
12013 \@preamninefmt
12014 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12015 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
12016 \@preamninefmt
12017 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12018 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
12019 \@preamninefmt
12020 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}

```




```

12021 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
12022   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12023     \unvbox\@mpfootinsv@r
12024     \def\baselinestretch{\m@m@footnote@spacing}%
12025     \reset@font\foottextfont
12026     \hsize\columnwidth \@parboxrestore
12027     \protected@edef\@currentlabel{%
12028       \csname p@mpfootnote\endcsname\@thefnmark}%
12029   \color@begingroup
12030   \@ninecolfootfmt{#1}%
12031   \color@endgroup}%
12032   \m@m@mmf@prepare}
12033 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
12034   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
12035     \unvbox\@mpfootinsv@r
12036     \def\baselinestretch{\m@m@footnote@spacing}%
12037     \reset@font\LTRfoottextfont
12038     \hsize\columnwidth \@parboxrestore
12039     \if@RTLcolumnfootnotes\beginL\fi
12040     \protected@edef\@currentlabel{%
12041       \csname p@mpfootnote\endcsname\@thefnmark}%
12042   \color@begingroup
12043   \@ninecolLTRfootfmt{#1}%
12044   \color@endgroup}%
12045   \m@m@mmf@prepare}
12046 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
12047   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
12048     \unvbox\@mpfootinsv@r
12049     \def\baselinestretch{\m@m@footnote@spacing}%
12050     \reset@font\RTLfoottextfont
12051     \hsize\columnwidth \@parboxrestore
12052     \protected@edef\@currentlabel{%
12053       \csname p@mpfootnote\endcsname\@thefnmark}%
12054   \color@begingroup
12055   \@ninecolRTLfootfmt{#1}%
12056   \color@endgroup}%
12057   \m@m@mmf@prepare}
12058 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
12059   \@namedef{\@ninecol@footgroup#1}{%
12060     \def\baselinestretch{\m@m@footnote@spacing}%
12061     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12062     \m@m@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
12063 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
12064   \@namedef{\@mpninecol@footgroup#1}{%
12065     \def\baselinestretch{\m@m@footnote@spacing}%
12066     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12067     \m@m@rigidbalance{\@nameuse{\@mpfootins#1}}{9}{\splittopskip}}}%
12068 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
12069   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
12070   \@bidi@before@Hy@hyperfootnotes
12071   \let\@footnotetext\@tencolfootnotetext
12072   \let\@LTRfootnotetext\@tencolLTRfootnotetext
12073   \let\@RTLfootnotetext\@tencolRTLfootnotetext
12074   \dimen\footinsv@r=10\footinsdim

```



```

12075 \count\footinsv@r=100\relax
12076 \m@make@tencol@footgroup{v@r}%
12077 \let\@footgroupv@r\@tencol@footgroupv@r
12078 \let\@mpfootnotetext\@mptencolfootnotetext
12079 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
12080 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
12081 \@bidi@after@Hy@hyperfootnotes
12082 \m@make@mptencol@footgroup{v@r}%
12083 \let\mp@footgroupv@r\@mptencol@footgroupv@r
12084 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12085 }
12086 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
12087 \def\baselinestretch{\m@footnote@spacing}%
12088 \reset@font\foottextfont
12089 \@preamfntext
12090 \protected@edef\@currentlabel{%
12091 \csname p@footnote\endcsname\@thefnmark}%
12092 \color@begingroup
12093 \@tencolfootfmt{#1}%
12094 \color@endgroup}%
12095 \m@mmf@prepare}
12096 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
12097 \def\baselinestretch{\m@footnote@spacing}%
12098 \reset@font\LTRfoottextfont
12099 \@preamfntext
12100 \protected@edef\@currentlabel{%
12101 \csname p@footnote\endcsname\@thefnmark}%
12102 \color@begingroup
12103 \@tencolLTRfootfmt{#1}%
12104 \color@endgroup}%
12105 \m@mmf@prepare}
12106 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
12107 \def\baselinestretch{\m@footnote@spacing}%
12108 \reset@font\RTLfoottextfont
12109 \@preamfntext
12110 \protected@edef\@currentlabel{%
12111 \csname p@footnote\endcsname\@thefnmark}%
12112 \color@begingroup
12113 \@tencolRTLfootfmt{#1}%
12114 \color@endgroup}%
12115 \m@mmf@prepare}
12116 \bidi@ensure@newcommand{\@preamtenfmt}{%
12117 \hsize .1\hsize
12118 \parindent=\z@
12119 \tolerance=5000\relax
12120 \leavevmode}
12121 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
12122 \@preamtenfmt
12123 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
12124 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
12125 \@preamtenfmt
12126 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
12127 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
12128 \@preamtenfmt

```



```

12129 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
12130 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
12131   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
12132     \unvbox\@mpfootinsv@r
12133     \def\baselinestretch{\m@m@footnote@spacing}%
12134     \reset@font\foottextfont
12135     \hsize\columnwidth \@parboxrestore
12136     \protected@edef\@currentlabel{%
12137       \csname p@mpfootnote\endcsname\@thefnmark}%
12138     \color@begingroup
12139       \@tencolfootfmt{#1}%
12140     \color@endgroup}%
12141   \m@m@mmf@prepare}
12142 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
12143   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
12144     \unvbox\@mpfootinsv@r
12145     \def\baselinestretch{\m@m@footnote@spacing}%
12146     \reset@font\LTRfoottextfont
12147     \hsize\columnwidth \@parboxrestore
12148     \if@RTLcolumnfootnotes\beginL\fi
12149     \protected@edef\@currentlabel{%
12150       \csname p@mpfootnote\endcsname\@thefnmark}%
12151     \color@begingroup
12152       \@tencolLTRfootfmt{#1}%
12153     \color@endgroup}%
12154   \m@m@mmf@prepare}
12155 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
12156   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
12157     \unvbox\@mpfootinsv@r
12158     \def\baselinestretch{\m@m@footnote@spacing}%
12159     \reset@font\RTLfoottextfont
12160     \hsize\columnwidth \@parboxrestore
12161     \protected@edef\@currentlabel{%
12162       \csname p@mpfootnote\endcsname\@thefnmark}%
12163     \color@begingroup
12164       \@tencolRTLfootfmt{#1}%
12165     \color@endgroup}%
12166   \m@m@mmf@prepare}
12167 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
12168   \@namedef{\@tencol@footgroup#1}{%
12169     \def\baselinestretch{\m@m@footnote@spacing}%
12170     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12171     \m@m@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
12172 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
12173   \@namedef{\@mptencol@footgroup#1}{%
12174     \def\baselinestretch{\m@m@footnote@spacing}%
12175     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
12176     \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}%
12177 \bidi@ensure@newcommand{\m@m@unvxh}[1]{%
12178   \setbox0=\vbox{\unvbox#1}
12179   \global\setbox1=\lastbox}%
12180 \unhbox1
12181 \unskip
12182 \unskip

```



```

12183 \unpenalty
12184 \hskip\m@mipn@skip}
12185 \bidi@ensure@newcommand{\m@mungebox}{%
12186   \setbox0=\hbox{\m@munvxh0}%
12187   \dp0=\z@
12188   \ht0=\footfudgefactor\wd0
12189   \box0
12190   \penalty0}
12191 \newskip\m@mipn@skip
12192 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
12193   {\foottextfont\global\m@mipn@skip=#1\relax}}
12194 \m@minterparanoteglue{1em plus.4em minus.4em}
12195 \@ifpackageloaded{multicol}{%
12196 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
12197   \hsize\textwidth%
12198   \setbox0=\hbox{}}%
12199   \loop
12200     \unpenalty
12201     \setbox2=\lastbox
12202     \ifhbox2
12203       \setbox0=\hbox{\box2\unhbox0}
12204     \repeat}%
12205 }{%
12206 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
12207   \setbox0=\hbox{}}%
12208   \loop
12209     \unpenalty
12210     \setbox2=\lastbox
12211     \ifhbox2
12212       \setbox0=\hbox{\box2\unhbox0}
12213     \repeat}}
12214 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
12215   \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
12216 \newcommand*{\AddExtraParaSkip}[1]{%
12217   \if@bidi@csdef{\footfudgefactor}{%
12218     \PackageError{bidi}{%
12219       The control sequence '\string\AddExtraParaSkip'
12220       must be used before the control sequence
12221       '\string\paragraphfootnotes' in the preamble%
12222     }\@ehc
12223   }{%
12224     \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
12225   }%
12226 }
12227 \bidi@ensure@newcommand{\paragraphfootnotes}{%
12228   \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
12229   \@bidi@before@Hy@hyperfootnotes
12230   \let\@footnotetext\@parafootnotetext
12231   \let\@LTRfootnotetext\@paraLTRfootnotetext
12232   \let\@RTLfootnotetext\@paraRTLfootnotetext
12233   \dimen\footinsv@r=\footinsdim
12234   \count\footinsv@r=1000\relax
12235   \m@make@para@footgroup{v@r}%
12236   \m@make@para@footstart{v@r}%

```



```

12237 \let\@footgroupv@r\@para@footgroupv@r
12238 \let\@footstartv@r\@para@footstartv@r
12239 \dimen\footinsv@l=\footinsdim
12240 \count\footinsv@l=1000\relax
12241 \bidi@make@para@LTRfootgroup{v@l}%
12242 \m@make@para@footstart{v@l}%
12243 \bidi@make@para@footstart@@{v@l}%
12244 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
12245 \let\@footstartv@l\@para@footstartv@l
12246 \let\@footstart@@v@l\@para@footstart@@v@l
12247 \let\@mpfootnotetext\@mpparafootnotetext
12248 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
12249 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
12250 \@bidi@after@Hy@hyperfootnotes
12251 \m@make@mppara@footgroup{v@r}%
12252 \bidi@make@mppara@LTRfootgroup{v@l}%
12253 \let\mp@footgroupv@r\@mppara@footgroupv@r
12254 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
12255 \begingroup
12256 \def\baselinestretch{\m@m@footnote@spacing}%
12257 \foottextfont
12258 \@tempdima\footnotesep
12259 \advance\@tempdima -\ht\strutbox
12260 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
12261 \advance\@tempdima.5\normalbaselineskip
12262 \bidi@xparaskip
12263 \xdef\bidi@paraskip{\the\@tempdima\relax}%
12264 \ifdim\skip\footinsv@r>\bigskipamount
12265 \else
12266 \global\advance\skip\footinsv@r\bidi@paraskip
12267 \fi
12268 \ifdim\skip\footinsv@l>\bigskipamount
12269 \else
12270 \global\advance\skip\footinsv@l\bidi@paraskip
12271 \fi
12272 \@tempdima\normalbaselineskip
12273 \multiply\@tempdima\@cclvi
12274 \@tempdimb\columnwidth
12275 \divide\@tempdimb\@cclvi
12276 \divide\@tempdima\@tempdimb
12277 \xdef\footfudgefactor{\strip@pt\@tempdima}%
12278 \endgroup
12279 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12280 }
12281 \newcommand{\normalRTLparaLTRfootnotes}{%
12282 \@namedef{foottextfontv@r}{\foottextfont}%
12283 \@bidi@before@Hy@hyperfootnotes
12284 \if@RTL@footnote
12285 \let\@footnotetext\m@mold@footnotetext
12286 \else
12287 \let\@footnotetext\@parafootnotetext
12288 \fi
12289 \let\@LTRfootnotetext\@paraLTRfootnotetext
12290 \let\@RTLfootnotetext\m@mold@RTLfootnotetext

```



```

12291 \dimen\footinsv@r=\footinsdim
12292 \count\footinsv@r=1000\relax
12293 \m@make@para@footgroup{v@r}%
12294 \m@make@para@footstart{v@r}%
12295 \let\@footgroupv@r\@para@footgroupv@r
12296 \let\@footstartv@r\@para@footstartv@r
12297 \dimen\footinsv@l=\footinsdim
12298 \count\footinsv@l=1000\relax
12299 \bidi@make@para@LTRfootgroup{v@l}%
12300 \m@make@para@footstart{v@l}%
12301 \bidi@make@para@footstart@@{v@l}%
12302 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
12303 \let\@footstartv@l\@para@footstartv@l
12304 \let\@@footstart@@v@l\@para@footstart@@v@l
12305 \if@RTL@footnote
12306 \let\@mpfootnotetext\m@mold@mpfootnotetext
12307 \else
12308 \let\@mpfootnotetext\@mpparafootnotetext
12309 \fi
12310 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
12311 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
12312 \@bidi@after@Hy@hyperfootnotes
12313 \m@make@mppara@footgroup{v@r}%
12314 \bidi@make@mppara@LTRfootgroup{v@l}%
12315 \let\mp@footgroupv@r\@mppara@footgroupv@r
12316 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
12317 \begingroup
12318 \def\baselinestretch{\m@m@footnote@spacing}%
12319 \foottextfont
12320 \@tempdima\footnotesep
12321 \advance\@tempdima -\ht\strutbox
12322 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
12323 \advance\@tempdima.5\normalbaselineskip
12324 \bidi@xparaskip
12325 \xdef\bidi@paraskip{\the\@tempdima\relax}%
12326 \ifdim\skip\footinsv@r>\bigskipamount
12327 \else
12328 \global\advance\skip\footinsv@r\bidi@paraskip
12329 \fi
12330 \ifdim\skip\footinsv@l>\bigskipamount
12331 \else
12332 \global\advance\skip\footinsv@l\bidi@paraskip
12333 \fi
12334 \@tempdima\normalbaselineskip
12335 \multiply \@tempdima \@cclvi
12336 \@tempdimb \columnwidth
12337 \divide \@tempdimb \@cclvi
12338 \divide \@tempdima \@tempdimb
12339 \xdef\footfudgefactor{\strip@pt\@tempdima}%
12340 \endgroup
12341 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
12342 }
12343 \let\bidi@xparaskip\relax
12344 \@onlypreamble\AddExtraParaSkip

```



```

12345 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
12346   \if@RTL@footnote
12347     \footinsv@r
12348   \else
12349     \footinsv@l
12350   \fi
12351   {%
12352   \let\bidi@RTL@everypar\@empty%
12353   \def\baselinestretch{\m@m@footnote@spacing}%
12354   \reset@font\foottextfont
12355   \@preamfntext
12356   \protected@edef\@currentlabel{%
12357     \csname p@footnote\endcsname\@thefnmark}%
12358   \setbox0=\vbox{\hsize=\maxdimen
12359     \color@begingroup
12360       \noindent \@parafootfmt{#1}%
12361     \color@endgroup}%
12362   \m@mungebox}\m@mmf@prepare}
12363 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
12364   \let\bidi@RTL@everypar\@empty%
12365   \def\baselinestretch{\m@m@footnote@spacing}%
12366   \reset@font\LTRfoottextfont
12367   \@preamfntext
12368   \protected@edef\@currentlabel{%
12369     \csname p@footnote\endcsname\@thefnmark}%
12370   \setbox0=\vbox{\hsize=\maxdimen
12371     \color@begingroup
12372       \noindent \@paraLTRfootfmt{#1}%
12373     \color@endgroup}%
12374   \m@mungebox}\m@mmf@prepare}
12375 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
12376   \let\bidi@RTL@everypar\@empty%
12377   \def\baselinestretch{\m@m@footnote@spacing}%
12378   \reset@font\RTLfoottextfont
12379   \@preamfntext
12380   \protected@edef\@currentlabel{%
12381     \csname p@footnote\endcsname\@thefnmark}%
12382   \setbox0=\vbox{\hsize=\maxdimen
12383     \color@begingroup
12384       \noindent \@paraRTLfootfmt{#1}%
12385     \color@endgroup}%
12386   \m@mungebox}\m@mmf@prepare}
12387 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
12388   \parindent=\z@
12389   \parfillskip=0pt \@plus 1fil
12390   {\footfootmark\strut {\foottextfont #1}\penalty-10}}
12391 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
12392   \parindent=\z@
12393   \parfillskip=0pt \@plus 1fil
12394   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
12395 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
12396   \parindent=\z@
12397   \parfillskip=0pt \@plus 1fil
12398   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}

```



```

12399 \bidi@ensure@newcommand{\mpparafootnotetext}[1]{%
12400   \global\setbox
12401   \if@RTL@footnote
12402     \mpfootinsv@r
12403   \else
12404     \mpfootinsv@l
12405   \fi
12406   \vbox{%
12407     \let\bidi@RTL@everypar\@empty%
12408     \def\baselinestretch{\m@m@footnote@spacing}%
12409     \unvbox
12410     \if@RTL@footnote
12411       \mpfootinsv@r
12412     \else
12413       \mpfootinsv@l
12414     \fi
12415     \reset@font\foottextfont
12416     \hsize\columnwidth \@parboxrestore
12417     \protected@edef\@currentlabel{%
12418       \csname p@mpfootnote\endcsname\@thefnmark}%
12419     \setbox0=\vbox{\hsize=\maxdimen
12420       \color@begingroup
12421       \noindent \@parafootfmt{#1}%
12422       \color@endgroup}%
12423     \m@mungebox}\m@mmf@prepare}
12424 \bidi@ensure@newcommand{\mpparaLTRfootnotetext}[1]{%
12425   \global\setbox\mpfootinsv@l\vbox{%
12426     \let\bidi@RTL@everypar\@empty%
12427     \def\baselinestretch{\m@m@footnote@spacing}%
12428     \unvbox\mpfootinsv@l
12429     \reset@font\LTRfoottextfont
12430     \hsize\columnwidth \@parboxrestore
12431     \protected@edef\@currentlabel{%
12432       \csname p@mpfootnote\endcsname\@thefnmark}%
12433     \setbox0=\vbox{\hsize=\maxdimen
12434       \color@begingroup
12435       \noindent \@paraLTRfootfmt{#1}%
12436       \color@endgroup}%
12437     \m@mungebox}\m@mmf@prepare}
12438 \bidi@ensure@newcommand{\mpparaRTLfootnotetext}[1]{%
12439   \global\setbox\mpfootinsv@r\vbox{%
12440     \let\bidi@RTL@everypar\@empty%
12441     \def\baselinestretch{\m@m@footnote@spacing}%
12442     \unvbox\mpfootinsv@r
12443     \reset@font\RTLfoottextfont
12444     \hsize\columnwidth \@parboxrestore
12445     \protected@edef\@currentlabel{%
12446       \csname p@mpfootnote\endcsname\@thefnmark}%
12447     \setbox0=\vbox{\hsize=\maxdimen
12448       \color@begingroup
12449       \noindent \@paraRTLfootfmt{#1}%
12450       \color@endgroup}%
12451     \m@mungebox}\m@mmf@prepare}
12452 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%

```




```

12453 \@namedef{@para@footgroup#1}{%
12454   \unvbox\@nameuse{footins#1}
12455   \@RTLtrue
12456   \m@mmakehboxofhboxes
12457   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
12458   \@parboxrestore%
12459   \def\baselinestretch{\m@m@footnote@spacing}%
12460   \@nameuse{foottextfont#1}%
12461   \noindent\unhbox0\par}}
12462 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
12463 \@namedef{@para@LTRfootgroup#1}{%
12464   \unvbox\@nameuse{footins#1}
12465   \@RTLfalse
12466   \m@mmakehboxofhboxes
12467   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
12468   \@parboxrestore%
12469   \def\baselinestretch{\m@m@footnote@spacing}%
12470   \@nameuse{foottextfont#1}%
12471   \noindent\unhbox0\par}}
12472 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
12473 \@namedef{@mppara@footgroup#1}{%
12474   \unvbox\@nameuse{@mpfootins#1}
12475   \@RTLtrue
12476   \m@mmakehboxofhboxes
12477   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
12478   \def\baselinestretch{\m@m@footnote@spacing}%
12479   \@nameuse{foottextfont#1}%
12480   \noindent\unhbox0\par}}
12481 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
12482 \@namedef{@mppara@LTRfootgroup#1}{%
12483   \unvbox\@nameuse{@mpfootins#1}
12484   \@RTLfalse
12485   \m@mmakehboxofhboxes
12486   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
12487   \def\baselinestretch{\m@m@footnote@spacing}%
12488   \@nameuse{foottextfont#1}%
12489   \noindent\unhbox0\par}}
12490 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
12491 \@namedef{@para@footstart#1}{%
12492   \if@bidi@void@footins
12493     \bidi@mopfn@bottom
12494   \fi
12495   \leftskip=\z@
12496   \rightskip=\z@
12497   \parindent=\z@
12498   \vskip\skip\footins
12499   \if@bidi@void@footins
12500     \footnoterule
12501   \fi}}
12502 \bidi@ensure@newcommand{\bidi@make@para@footstart@@}[1]{%
12503 \@namedef{@@para@footstart@@#1}{%
12504   \leftskip=\z@
12505   \rightskip=\z@
12506   \parindent=\z@

```



```

12507 \vskip\skip\footins}}
12508 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
12509 \xdef\@freelist{\@freelist\@midlist}%
12510 \global\let\@midlist\@empty
12511 \@combinefloats}
12512 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
12513 \ifvbox\@kludgeins
12514 \@makespecialcolbox
12515 \else
12516 \setbox\@outputbox \vbox to\@colht{%
12517 \@texttop
12518 \dimen@ \dp\@outputbox
12519 \unvbox \@outputbox
12520 \vskip -\dimen@
12521 \@textbottom}%
12522 \fi}
12523 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
12524 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
12525 \boxmaxdepth\@maxdepth
12526 \@tempdima\dp\@cclv
12527 \unvbox\@cclv
12528 \vskip-\@tempdima
12529 \bidi@mopfn@bottom
12530 \vskip \skip\footins
12531 \color@begingroup
12532 \normalcolor
12533 \footnoterule
12534 \unvbox \footins
12535 \color@endgroup
12536 }%
12537 }
12538 \newcommand*{\bidi@mopfootnotebf}{%
12539 \setbox\@outputbox \vbox{%
12540 \boxmaxdepth\@maxdepth
12541 \unvbox\@outputbox
12542 \bidi@mopfn@bottom
12543 \vskip\skip\footins
12544 \color@begingroup
12545 \normalcolor
12546 \footnoterule
12547 \unvbox \footins
12548 \color@endgroup
12549 }%
12550 }
12551 \gdef\mem@makecol{%
12552 \m@m@makecolintro
12553 \ifvoid\footins
12554 \global\@bidi@void@footintrue
12555 \setbox\@outputbox \box\@cclv
12556 \else
12557 \global\@bidi@void@footinsfalse
12558 \m@mopfootnote
12559 \fi
12560 \m@mdoextrafeet

```



```

12561 \m@m@makecolfloats
12562 \m@m@makecoltext
12563 \global \maxdepth \@maxdepth}
12564 \gdef\bidi@makecolbf{%
12565 \m@m@makecolintro
12566 \setbox\@outputbox \box\@cclv
12567 \m@m@makecolfloats
12568 \ifvoid\footins
12569 \global\@bidi@void@footinstrue
12570 \else
12571 \global\@bidi@void@footinsfalse
12572 \bidi@mopfootnotebf
12573 \fi
12574 \m@m@doextrafeet
12575 \m@m@makecoltext
12576 \global \maxdepth \@maxdepth}
12577 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
12578 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
12579 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
12580 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
12581 \FeetAboveFloat
12582 \FeetBelowRagged

```

80 File extreport-xetex-bidi.def

```

12583 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
12584 \renewcommand*\l@part[2]{%
12585 \ifnum \c@tocdepth >-2\relax
12586 \addpenalty{-\@highpenalty}%
12587 \addvspace{2.25em \@plus\p@}%
12588 \begingroup
12589 \setlength\@tempdima{3em}%
12590 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12591 \parfillskip -\@pnumwidth
12592 {\leavevmode
12593 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
12594 \nobreak
12595 \global\@nobreaktrue
12596 \everypar{\global\@nobreakfalse\everypar{}}%
12597 \endgroup
12598 \fi}
12599 \renewcommand*\l@chapter[2]{%
12600 \ifnum \c@tocdepth >\m@ne
12601 \addpenalty{-\@highpenalty}%
12602 \vskip 1.0em \@plus\p@
12603 \setlength\@tempdima{1.5em}%
12604 \begingroup
12605 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12606 \parfillskip -\@pnumwidth
12607 \leavevmode \bfseries
12608 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
12609 \hskip -\if@RTL\rightskip\else\leftskip\fi
12610 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
12611 \penalty\@highpenalty

```



```

12612 \endgroup
12613 \fi}
12614 \def\@makechapterhead#1{%
12615 \vspace*{50\p@}%
12616 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
12617 \ifnum \c@secnumdepth >\m@ne
12618 \huge\bfseries \@chapapp\space \thechapter
12619 \par\nobreak
12620 \vskip 20\p@
12621 \fi
12622 \interlinepenalty\@M
12623 \Huge \bfseries #1\par\nobreak
12624 \vskip 40\p@
12625 }}
12626 \def\@makeschapterhead#1{%
12627 \vspace*{50\p@}%
12628 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
12629 \normalfont
12630 \interlinepenalty\@M
12631 \Huge \bfseries #1\par\nobreak
12632 \vskip 40\p@
12633 }}
12634 \renewcommand\left@footnoterule{%
12635 \kern-3\p@
12636 \hrule\@width.4\columnwidth
12637 \kern2.6\p@}
12638 \renewcommand\right@footnoterule{%
12639 \kern-3\p@
12640 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12641 \kern2.6\p@}
12642 \renewenvironment{thebibliography}[1]
12643 {\chapter*{\bibname
12644 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
12645 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12646 \bidi@thebibliography@font@hook%
12647 \list{\@biblabel{\@arabic\c@enumiv}}%
12648 {\settowidth\labelwidth{\@biblabel{#1}}%
12649 \leftmargin\labelwidth
12650 \advance\leftmargin\labelsep
12651 \@openbib@code
12652 \usecounter{enumiv}%
12653 \let\p@enumiv\@empty
12654 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
12655 \sloppy\clubpenalty4000\widowpenalty4000%
12656 \sfcode`. \m}
12657 {\def\@noitemerr
12658 {\@latex@warning{Empty `thebibliography' environment}}%
12659 \endlist}
12660 \if@titlepage
12661 \renewcommand\maketitle{\begin{titlepage}%
12662 \let\footnotesize\small
12663 \let\right@footnoterule\relax
12664 \let\left@footnoterule\relax
12665 \let\textwidth\footnoterule\relax

```



```

12666 \let \footnote \thanks
12667 \null\vfil
12668 \vskip 60\p@
12669 \begin{center}%
12670   {\LARGE \@title \par}%
12671   \vskip 3em%
12672   {\large
12673     \lineskip .75em%
12674     \begin{tabular}[t]{c}%
12675       \@author
12676     \end{tabular}\par}%
12677   \vskip 1.5em%
12678   {\large \@date \par}%           % Set date in \large size.
12679 \end{center}\par
12680 \@thanks
12681 \vfil\null
12682 \end{titlepage}%
12683 \setcounter{footnote}{0}%
12684 \global\let\thanks\relax
12685 \global\let\maketitle\relax
12686 \global\let\@thanks\@empty
12687 \global\let\@author\@empty
12688 \global\let\@date\@empty
12689 \global\let\@title\@empty
12690 \global\let\title\relax
12691 \global\let\author\relax
12692 \global\let\date\relax
12693 \global\let\and\relax
12694 }
12695 \else
12696 \renewcommand\maketitle{\par
12697   \begingroup
12698     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
12699     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
12700     \long\def\@makefntext##1{\parindent 1em\noindent
12701       \hb@xt@1.8em{%
12702         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
12703     \if@twocolumn
12704       \ifnum \col@number=\@one
12705         \@maketitle
12706       \else
12707         \twocolumn[\@maketitle]%
12708       \fi
12709     \else
12710       \newpage
12711       \global\@topnum\z@           % Prevents figures from going at top of page.
12712       \@maketitle
12713     \fi
12714     \thispagestyle{plain}\@thanks
12715   \endgroup
12716   \setcounter{footnote}{0}%
12717   \global\let\thanks\relax
12718   \global\let\maketitle\relax
12719   \global\let\@maketitle\relax

```



```

12720 \global\let\@thanks\@empty
12721 \global\let\@author\@empty
12722 \global\let\@date\@empty
12723 \global\let\@title\@empty
12724 \global\let\title\relax
12725 \global\let\author\relax
12726 \global\let\date\relax
12727 \global\let\and\relax
12728 }
12729 \def\@maketitle{%
12730 \newpage
12731 \null
12732 \vskip 2em%
12733 \begin{center}%
12734 \let \footnote \thanks
12735 {\LARGE \@title \par}%
12736 \vskip 1.5em%
12737 {\large
12738 \lineskip .5em%
12739 \begin{tabular}[t]{c}%
12740 \@author
12741 \end{tabular}\par}%
12742 \vskip 1em%
12743 {\large \@date}%
12744 \end{center}%
12745 \par
12746 \vskip 1.5em}
12747 \fi
12748 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
12749 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
12750 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
12751 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
12752 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
12753 \renewcommand\theequation{%
12754 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
12755 \renewcommand\thefigure{%
12756 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
12757 \renewcommand\thetable{%
12758 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

81 File fancybox-xetex-bidi.def

```

12759 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
12760 \def\fancy@oval#1#2#3{%
12761 \boxmaxdepth \maxdimen
12762 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
12763 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
12764 \@ovxx#1\relax
12765 \advance\@ovxx-\@wholewidth
12766 \@ovyy#2\relax
12767 \advance\@ovyy-\@wholewidth
12768 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
12769 \advance\@tempdimb-2\p@
12770 \ifdim\@tempdimb>\the@cornersize\relax

```



```

12771 \tempdimb=\the@cornersize
12772 \fi
12773 \@getcirc\tempdimb
12774 \@ovro\ht\tempboxa \@ovri\dp\tempboxa
12775 \@ovdx\ovxx \advance\ovdx-\tempdima \divide\ovdx \tw@
12776 \@ovdy\ovyy \advance\ovdy-\tempdima \divide\ovdy \tw@
12777 \@circlefnt
12778 \setbox\tempboxa\hbox{\beginL%
12779 \if@ovr \ovvert32\kern -\tempdima \fi
12780 \if@ovl \kern \ovxx \ovvert01\kern -\tempdima \kern -\ovxx \fi
12781 \if@ovt \ovhorz \kern -\ovxx \fi
12782 \if@ovb \raise \ovyy \ovhorz \fi\endL}%
12783 \advance\ovdx\ovro
12784 \advance\ovdy\ovro
12785 \advance\ovxx\wholewidth
12786 \wd\tempboxa=\ovxx
12787 \dp\tempboxa=\z@}

```

82 File fancyhdr-xetex-bidi.def

```

12788 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
12789
12790 \let\f@nch@everypar\everypar
12791
12792 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
12793 \f@nch@vbox\headheight{\hbox
12794 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
12795 \parbox[b]{\headwidth}{\centering#3}\hfill
12796 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}\headrule}}#5}
12797
12798 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
12799 \f@nch@vbox\footskip{\footrule
12800 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
12801 \parbox[t]{\headwidth}{\centering#3}\hfill
12802 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}}#5}
12803

```

83 File fix2col-xetex-bidi.def

```

12804 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
12805 \def\RTL@outputdblcol{%
12806 \if@firstcolumn
12807 \global\@firstcolumnfalse
12808 \global\setbox\@leftcolumn\copy\@outputbox
12809 \splitmaxdepth\maxdimen
12810 \vbadness\maxdimen
12811 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
12812 \toks@\expandafter{\topmark}%
12813 \xdef\@firstcoltopmark{\the\toks@}%
12814 \toks@\expandafter{\splitfirstmark}%
12815 \xdef\@firstcolfirstmark{\the\toks@}%
12816 \ifx\@firstcolfirstmark\empty
12817 \global\let\@setmarks\relax
12818 \else

```



```

12819      \gdef\@setmarks{%
12820          \let\firstmark\@firstcolfirstmark
12821          \let\topmark\@firstcoltopmark}%
12822      \fi
12823 \else \global\@firstcolumntrue
12824 \setbox\@outputbox \vbox {\hbox to\textwidth {%
12825 \hskip \columnwidth
12826 \hfil \vrule width\columnseprule \hfil
12827 \hbox to\columnwidth {%
12828 \bidi@firstcolumn@status@write%
12829 \box\@leftcolumn \hss}%
12830 \hskip -\textwidth
12831 \hbox to\columnwidth{%
12832 \bidi@lastcolumn@status@write%
12833 \box\@outputbox \hss}%
12834 \hskip \columnsep
12835 \hskip \columnwidth }}%
12836 \@combinedblfloats \setmarks \@outputpage
12837 \begingroup \@dblfloatplacement \startdblcolumn
12838 \@whiles\if@fcolmade \fi
12839 {\@outputpage \startdblcolumn }\endgroup
12840 \fi}
12841 \def\LTR@outputdblcol{%
12842     \if@firstcolumn
12843         \global\@firstcolumnfalse
12844         \global\setbox\@leftcolumn\copy\@outputbox
12845         \splitmaxdepth\maxdimen
12846         \vbadness\maxdimen
12847         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
12848         \toks@\expandafter{\topmark}%
12849         \xdef\@firstcoltopmark{\the\toks@}%
12850         \toks@\expandafter{\splitfirstmark}%
12851         \xdef\@firstcolfirstmark{\the\toks@}%
12852         \ifx\@firstcolfirstmark\@empty
12853             \global\let\@setmarks\relax
12854         \else
12855             \gdef\@setmarks{%
12856                 \let\firstmark\@firstcolfirstmark
12857                 \let\topmark\@firstcoltopmark}%
12858         \fi
12859     \else
12860         \global\@firstcolumntrue
12861         \setbox\@outputbox\vbox{%
12862             \hb@xt@\textwidth{%
12863                 \hb@xt@\columnwidth{%
12864                     \bidi@firstcolumn@status@write%
12865                     \box\@leftcolumn \hss}%
12866                 \hfil
12867                 \vrule \@width\columnseprule
12868                 \hfil
12869                 \hb@xt@\columnwidth{%
12870                     \bidi@lastcolumn@status@write%
12871                     \box\@outputbox \hss}}}%
12872     \@combinedblfloats

```




```

12873 \setmarks
12874 \outputpage
12875 \begingroup
12876 \dblfloatplacement
12877 \startdblcolumn
12878 \whilesw@if@fcolmade \fi{\outputpage\startdblcolumn}%
12879 \endgroup
12880 \fi}

```

84 File fleqn-xetex-bidi.def

```

12881 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX
12882 \renewcommand\{\relax
12883 \ifmmode\@badmath
12884 \else
12885 \begin{trivlist}%
12886 \beginparpenalty\predisplaypenalty
12887 \endparpenalty\postdisplaypenalty
12888 \item[]\leavevmode
12889 \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
12890 \hskip\mathindent\bgroup
12891 \fi}
12892 \renewcommand\{\relax
12893 \ifmmode
12894 \egroup $\hfil% $
12895 \endL\egroup
12896 \end{trivlist}%
12897 \else \@badmath
12898 \fi}
12899 \renewenvironment{equation}%
12900 {\beginparpenalty\predisplaypenalty
12901 \endparpenalty\postdisplaypenalty
12902 \refstepcounter{equation}%
12903 \trivlist \item[]\leavevmode
12904 \hb@xt@\linewidth\bgroup\beginL $\m@th% $
12905 \displaystyle
12906 \hskip\mathindent}%
12907 {$\hfil % $
12908 \displaywidth\linewidth\hbox{\@eqnnum}%
12909 \endL\egroup
12910 \endtrivlist}

```

85 File float-xetex-bidi.def

```

12911 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for X
12912 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
12913 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
12914 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
12915 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
12916 \expandafter\edef\csname the#1\endcsname{%
12917 \expandafter\noexpand\csname
12918 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
12919 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```



86 File floatrow-xetex-bidi.def

```
12920 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package]
12921 \renewcommand\flnew@within[1]{\@addtoreset{FB@capttype}{#1}%
12922   \expandafter\edef\csname the\FB@capttype\endcsname{%
12923     \expandafter\noexpand\csname
12924       the#1\endcsname\@SepMark\noexpand\arabic{FB@capttype}}}
```

87 File flowfram-xetex-bidi.def

```
12925 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package]
12926 \def\@outputdblcol{%
12927   \@nxtcol=\c@thisframe
12928   \c@curpg=\c@page
12929   \@g@tnextcol{\@nxtcol}%
12930   \if@ff@nwpg % next flow frame starts on new page
12931     \global\@firstcolumntrue
12932     \@setcolbox\c@thisframe
12933     \if@specialpage
12934       \global\@specialpagefalse
12935       \nameuse{ps@\@specialstyle}\relax
12936     \fi
12937     \if@twoside
12938       \ifodd\count\z@
12939         \let\@thehead\@oddhead
12940         \let\@thefoot\@oddfoot
12941       \else
12942         \let\@thehead\@evenhead
12943         \let\@thefoot\@evenfoot
12944       \fi
12945     \else
12946       \let\@thehead\@oddhead
12947       \let\@thefoot\@oddfoot
12948     \fi
12949     \@begindvi
12950     \@dynamicthehead\@dynamicthefoot
12951     \vbadness=\@M
12952     \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
12953     \@combinedblfloats
12954     \@outputpage
12955     \advance\c@curpg by -\c@page\relax
12956     \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
12957       \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
12958     \@outputpage}
12959     \begingroup
12960       \@dblfloatplacement
12961       \@startdblcolumn
12962       \@whilesw \if@fcolmade \fi
12963         {\@outputpage \@startdblcolumn }\endgroup
12964     \@resetst@tics
12965     \@resetdyn@mics
12966   \else % still on same page, save contents of box255
12967     \global\@firstcolumnfalse
12968     \@setcolbox\c@thisframe
```



```

12969 \fi
12970 \global\c@thisframe=\@nxtcol
12971 \@setcol{\c@thisframe}\relax
12972 \global\@colht\vsizel
12973 }
12974 \def\@outputpage{%
12975 \begingroup
12976 \let\protect\noexpand
12977 \@resetactivechars
12978 \global\let\@ifnewlist\ifnewlist
12979 \global\@newlistfalse\@parboxrestore
12980 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
12981 \bidi@beforeoutputpageshipouthook
12982 \shipout\vbox{\set@typeset@protect
12983 \aftergroup
12984 \endgroup
12985 \aftergroup
12986 \set@typeset@protect
12987 \reset@font\normalsize
12988 \bidi@font\@outputpage
12989 \normalsfcodes
12990 \let\label\@gobble
12991 \let\index\@gobble
12992 \let\glossary\@gobble
12993 \baselineskip\z@skip
12994 \lineskip\z@skip
12995 \lineskiplimit\z@
12996 \vskip\topmargin\moveright\@themargin
12997 \vbox{%
12998 \global\let\@bidi@BeforeHeader\@firstofone
12999 \bidi@beforeheaderhook
13000 \vskip\headheight
13001 \vskip\headsep
13002 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
13003 \bidi@beforeoutputboxoutputpagehook
13004 \box\@outputbox
13005 \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
13006 \bidi@afteroutputboxoutputpagehook
13007 }}%
13008 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
13009 \bidi@afteroutputpageshipouthook
13010 \global\let\ifnewlist\@ifnewlist
13011 \stepcounter{page}%
13012 \setcounter{displayedframe}{0}%
13013 \let\firstmark\botmark
13014 \global\let\@bidi@AtEndOutputPage\@firstofone
13015 \bidi@atendoutputpagehook
13016 }
13017
13018
13019 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}{\}{%
13020 \expandafter\bidicolor\ff@txtcol}}
13021
13022 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2

```



```

13023 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}
13024
13025
13026 \renewcommand*{\@docolbox}[1]{%
13027 \edef\ff@frametype{%
13028 \csname @ff@frametype@romannumeral#1\endcsname}%
13029 \edef\ff@col{\csname @ff@col@romannumeral#1\endcsname}%
13030 \edef\ff@txtcol{\csname @ff@txtcol@romannumeral#1\endcsname}%
13031 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
13032 \@ff@setoffset{#1}%
13033 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%
13034 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
13035 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
13036 {\csname colheight\romannumeral#1\endcsname}{%
13037 \expandafter\box\csname column\romannumeral#1\endcsname}{%
13038 \csname\ff@frametype\endcsname}%
13039 }{%
13040 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
13041 {\csname colheight\romannumeral#1\endcsname}{%
13042 \expandafter\box\csname column\romannumeral#1\endcsname}%
13043 }}}
13044 \@ifclassloaded{book}{%
13045 \renewcommand\theequation
13046 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13047 \renewcommand \thefigure
13048 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
13049 \renewcommand \thetable
13050 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
13051 \renewcommand \thechapter {\@arabic\c@chapter}
13052 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
13053 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
13054 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
13055 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
13056 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
13057 \@ifclassloaded{report}{%
13058 \renewcommand\theequation
13059 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13060 \renewcommand \thefigure
13061 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
13062 \renewcommand \thetable
13063 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
13064 \renewcommand \thechapter {\@arabic\c@chapter}
13065 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
13066 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
13067 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
13068 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
13069 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
13070 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
13071 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
13072 \else
13073 #2\relax
13074 \fi}

```



88 File footnote-xetex-bidi.def

```

13075 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine
13076 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
13077 \newif\ifbidi@autofooterule
13078 \def\bidi@mpfootnoterule{\footnoterule}
13079 \newcounter{footdir@label}
13080 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
13081 \newcommand*{\footdir@write}{%
13082   \stepcounter{footdir@label}%
13083   \zref@labelbyprops{\thefootdir@label}{abspage}%
13084 }
13085 \newif\iffootdir@debug
13086 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
13087 \newtoks\footdir@toks
13088 \newcommand*{\footdir@debug}[1]{%
13089   \iffootdir@debug
13090     \typeout{[footdir] #1}%
13091   \fi
13092 }
13093 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
13094 %  \newcommand*{\footdir@LeftRightElse}{%
13095 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
13096 %      \footdir@debug{abspage \the\value{zabspage}: else}%
13097 %      \ltx@thirdofthree
13098 %    }{%
13099 %      \if\csname footdir@the\value{zabspage}\endcsname L%
13100 %        \footdir@debug{abspage \the\value{zabspage}: left}%
13101 %        \expandafter\ltx@firstofthree
13102 %      \else
13103 %        \footdir@debug{abspage \the\value{zabspage}: right}%
13104 %        \expandafter\ltx@secondofthree
13105 %      \fi
13106 %    }%
13107 %  }%
13108 %}{%
13109   \providecommand*{\c@zabspage}{\c@abspage}%
13110   \newcommand*{\footdir@LeftRightElse}{%
13111     \footdir@write
13112     \zifrefundefined{\thefootdir@label}{%
13113       \footdir@debug{abspage ??: else}%
13114       \ltx@thirdofthree
13115     }{%
13116       \edef\footdir@abspage{%
13117         \zref@extractdefault{\thefootdir@label}{abspage}{0}%
13118       }%
13119       \ltx@ifundefined{footdir@\footdir@abspage}{%
13120         \footdir@debug{\footdir@abspage: else}%
13121         \ltx@thirdofthree
13122       }{%
13123         \if\csname footdir@\footdir@abspage\endcsname L%
13124           \footdir@debug{\footdir@abspage: left}%
13125           \expandafter\ltx@firstofthree
13126         \else

```



```

13127         \footdir@debug{\footdir@abspage: right}%
13128         \expandafter\ltx@secondofthree
13129         \fi
13130     }%
13131 }%
13132 }%
13133 %}
13134 \newcommand*{\footdir@fntext}[1]{%
13135     \zifrefundefined{\thefootdir@label}{%
13136     }{%
13137         \edef\footdir@name{%
13138             footdir@zref@extractdefault{\thefootdir@label}{abspage}{0}%
13139         }%
13140         \@ifundefined{\footdir@name}{%
13141             \expandafter\gdef\csname\footdir@name\endcsname{#1}%
13142         }{}%
13143     }%
13144 }
13145
13146 \newcommand*{\footdir@temp}[3]{%
13147     \@ifdefinable{#1}{%
13148         \let#1#2%
13149         \renewcommand{#2}[1]{%
13150             \footdir@write
13151             \footdir@fntext{#3}%
13152             \stepcounter{footdir@label}%
13153             \footdir@fntext{#3}%
13154             \footdir@toks{##1}%
13155             \footdir@toks\expandafter{%
13156                 \the\expandafter\footdir@toks
13157                 \expandafter
13158                 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
13159             }%
13160             \expandafter#1\expandafter{\the\footdir@toks}%
13161         }%
13162     }%
13163 }
13164
13165 \def\right@footnoterule{%
13166     \kern-3\p@
13167     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13168     \kern2.6\p@}
13169 \def\left@footnoterule{\kern-3\p@
13170     \hrule \@width .4\columnwidth \kern 2.6\p@}
13171 \def\textwidth@footnoterule{\kern-3\p@
13172     \hrule \@width \columnwidth \kern 2.6\p@}
13173 \def\leftfootnoterule{%
13174     \bidi@autofootnoterulefalse%
13175     \def\footnoterule{\left@footnoterule}}
13176 \let\LRfootnoterule=\leftfootnoterule
13177 \def\rightfootnoterule{%
13178     \bidi@autofootnoterulefalse%
13179     \def\footnoterule{\right@footnoterule}}
13180 \def\textwidthfootnoterule{%

```



```

13181 \bidi@autofootnoterulefalse%
13182 \def\footnoterule{\textwidth@footnoterule}}
13183
13184
13185
13186 \def\auto@footnoterule{%
13187 \footdir@LeftRightElse%
13188 \left@footnoterule%
13189 \right@footnoterule%
13190 \left@footnoterule%
13191 }
13192
13193
13194
13195 \def\auto@footnoterule{%
13196 \bidi@autofootnoteruletrue%
13197 \def\footnoterule{\auto@footnoterule}%
13198 }
13199
13200 \newcommand*{\SplitFootnoteRule}{%
13201 \gdef\split@prev{0}
13202 \let\pagefootnoterule\footnoterule
13203 \let\mpfootnoterule\footnoterule
13204 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
13205 \def\footnoterule{\relax
13206 \ifx \@listdepth\@mplistdepth
13207 \mpfootnoterule
13208 \else
13209 \ifnum\split@prev=\z@
13210 \pagefootnoterule
13211 \else
13212 \splitfootnoterule
13213 \fi
13214 \xdef\split@prev{\the\insertpenalties}%
13215 \fi
13216 }%
13217 }
13218
13219
13220
13221
13222 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
13223 \protected@xdef\@thefnmark{\thempfn}%
13224 \@footnotemark\@RTLfootnotetext}}
13225 \def\@xRTLfootnote[#1]{%
13226 \begingroup
13227 \csname c@\@mpfn\endcsname #1\relax
13228 \unrestored@protected@xdef\@thefnmark{\thempfn}%
13229 \endgroup
13230 \@footnotemark\@RTLfootnotetext}
13231 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
13232 \protected@xdef\@thefnmark{\thempfn}%
13233 \@footnotemark\@LTRfootnotetext}}
13234 \def\@xLTRfootnote[#1]{%

```



```

13235 \begingroup
13236 \csname c@\mpfn\endcsname #1\relax
13237 \unrestored@protected@xdef\@thefnmark{\thempfn}%
13238 \endgroup
13239 \@footnotemark\@LTRfootnotetext}
13240
13241
13242 \def\setfootnoteRL{\@RTLfootnotetrue}
13243 \def\unsetfootnoteRL{\@RTLfootnotefalse}
13244 \def\setfootnoteLR{\unsetfootnoteRL}
13245
13246 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
13247 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
13248 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
13249
13250 \long\def\@footnotetext#1{\insert\footins{%
13251 \if@RTLfootnote\@RTLtrue\else\@RTLfalse\fi%
13252 \reset@font%
13253 \bidi@footnotetext@font% \reset@font\footnotesize
13254 \interlinepenalty\interfootnotelinepenalty
13255 \splittopskip\footnotesep
13256 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
13257 \hsize\columnwidth \@parboxrestore
13258 \protected@edef\@currentlabel{%
13259 \csname p@footnote\endcsname\@thefnmark
13260 }%
13261 \color@begingroup
13262 \@makefnintext{%
13263 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
13264 \color@endgroup}}%
13265
13266
13267 \long\def\@RTLfootnotetext#1{\insert\footins{%
13268 \@RTLtrue%
13269 \reset@font%
13270 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
13271 \interlinepenalty\interfootnotelinepenalty
13272 \splittopskip\footnotesep
13273 \splitmaxdepth \dp\strutbox \floatingpenalty \MM
13274 \hsize\columnwidth \@parboxrestore
13275 \protected@edef\@currentlabel{%
13276 \csname p@footnote\endcsname\@thefnmark
13277 }%
13278 \color@begingroup
13279 \@makefnintext{%
13280 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
13281 \color@endgroup}}%
13282
13283 \long\def\@LTRfootnotetext#1{\insert\footins{%
13284 \@RTLfalse%
13285 \reset@font%
13286 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
13287 \interlinepenalty\interfootnotelinepenalty
13288 \splittopskip\footnotesep

```




```

13289 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
13290 \hsize\columnwidth \@parboxrestore
13291 \protected@edef\@currentlabel{%
13292     \csname p@footnote\endcsname\@thefnmark
13293 }%
13294 \color@begingroup
13295     \@makefntext{%
13296         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
13297     \color@endgroup}}%
13298
13299 \AtBeginDocument{%
13300 \if@RTL@footnote
13301     \newcommand*{\bidi@footdir@footnote}{R}
13302 \else
13303     \newcommand*{\bidi@footdir@footnote}{L}
13304 \fi%
13305 }
13306
13307 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
13308 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
13309 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%
13310
13311 \long\def\@mpRTLfootnotetext#1{%
13312     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
13313     \global\setbox\@mpfootins\vbox{\@RTLtrue%
13314         \unvbox\@mpfootins
13315         \reset@font%
13316         \bidi@RTLfootnotetext@font% \reset@font\footnotesize
13317         \hsize\columnwidth
13318         \@parboxrestore
13319         \protected@edef\@currentlabel
13320             {\csname p@mpfootnote\endcsname\@thefnmark}%
13321         \color@begingroup
13322             \@makefntext{%
13323                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
13324             \color@endgroup}}
13325 \long\def\@mpLTRfootnotetext#1{%
13326     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
13327     \global\setbox\@mpfootins\vbox{\@RTLfalse%
13328         \unvbox\@mpfootins
13329         \reset@font%
13330         \bidi@LTRfootnotetext@font% \reset@font\footnotesize
13331         \hsize\columnwidth
13332         \@parboxrestore
13333         \protected@edef\@currentlabel
13334             {\csname p@mpfootnote\endcsname\@thefnmark}%
13335         \color@begingroup
13336             \@makefntext{%
13337                 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
13338             \color@endgroup}}
13339 \long\def\@mpfootnotetext#1{%
13340     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\left@footnoterule%
13341     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
13342         \unvbox\@mpfootins

```



```

13343 \reset@font%
13344 \bidi@@footnotetext@font% \reset@font\footnotesize
13345 \hsize\columnwidth
13346 \@parboxrestore
13347 \protected@edef\@currentlabel
13348     {\csname p@mpfootnote\endcsname\@thefnmark}%
13349 \color@begingroup
13350 \makefnmark{%
13351     \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
13352 \color@endgroup}}
13353 \def\@iiiminipage#1#2[#3]#4{%
13354     \leavevmode
13355     \@pboxswfalse
13356     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
13357     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
13358     \setlength\@tempdima{#4}%
13359     \def\@mpargs{{#1}{#2}[#3]{#4}}%
13360     \setbox\@tempboxa\vbox\bgroup
13361         \color@begingroup
13362         \hsize\@tempdima
13363         \textwidth\hsize \columnwidth\hsize
13364         \@parboxrestore
13365         \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
13366         \let\@footnotetext\@mpfootnotetext
13367         \let\@LTRfootnotetext\@mpLTRfootnotetext
13368         \let\@RTLfootnotetext\@mpRTLfootnotetext
13369         \let\@listdepth\@mplistdepth \@mplistdepth\z@
13370         \@minipagerestore
13371         \setminipage}
13372 \def\endminipage{%
13373     \par
13374     \unskip
13375     \ifvoid\@mpfootins\else
13376         \vskip\skip\@mpfootins
13377         \normalcolor
13378         \bidi@mpfootnoterule
13379         \unvbox\@mpfootins
13380     \fi
13381     \@minipagefalse %% added 24 May 89
13382 \color@endgroup
13383 \egroup
13384 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
13385 \def\LTRthanks#1{\footnotemark
13386     \protected@xdef\@thanks{\@thanks
13387         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
13388 }
13389 \def\LTRfootnotetext{%
13390     \@ifnextchar [\@xLTRfootnotenext
13391         {\protected@xdef\@thefnmark{\thempfn}%
13392         \@LTRfootnotetext}}
13393 \def\@xLTRfootnotenext[#1]{%
13394     \begingroup
13395     \csname c@\@mpfn\endcsname #1\relax
13396     \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

13397 \endgroup
13398 \@LTRfootnotetext}
13399 \def\RTLthanks#1{\footnotemark
13400 \protected@xdef\@thanks{\@thanks
13401 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
13402 }
13403 \let\@thanks\@empty
13404 \def\RTLfootnotetext{%
13405 \ifnextchar [\@xRTLfootnotenext
13406 {\protected@xdef\@thefnmark{\thempfn}%
13407 \@RTLfootnotetext}}
13408 \def\@xRTLfootnotenext[#1]{%
13409 \begingroup
13410 \csname c@\mpfn\endcsname #1\relax
13411 \unrestored@protected@xdef\@thefnmark{\thempfn}%
13412 \endgroup
13413 \@RTLfootnotetext}
13414 \leftfootnoterule

```

89 File footnotebackref-xetex-bidi.def

```

13415 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
13416 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
13417 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
13418
13419 \renewcommand*\LTRfootnote{%
13420 \refstepcounter{BackrefHyperFootnoteCounter}%
13421 \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
13422 \label{\BackrefFootnoteTag}%
13423 \@ifnextchar [\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
13424
13425 \renewcommand*\RTLfootnote{%
13426 \refstepcounter{BackrefHyperFootnoteCounter}%
13427 \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
13428 \label{\BackrefFootnoteTag}%
13429 \@ifnextchar [\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
13430 \newcommand\Backref@HyperLTRFootnote[1]{%
13431 \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
13432
13433 \newcommand\Backref@HyperRTLFootnote[1]{%
13434 \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
13435
13436 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
13437 \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
13438
13439 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
13440 \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
13441
13442 \bidi@AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
13443 \ifFootnoteBackref@numberlinked
13444 \renewcommand{\footfootmark}{%
13445 \ifdim\footmarkwidth < \z@
13446 \llap{\hb@xt@ -\footmarkwidth{%
13447 \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%

```



```

13448         \hspace*{-\footmarkwidth}}}%
13449     \else
13450         \ifdim\footmarkwidth = \z@
13451             {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
13452         \else
13453             \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
13454         \fi
13455     \fi}
13456 \renewcommand{\LTRfootfootmark}{%
13457 \ifdim\footmarkwidth < \z@
13458     \llap{\hb@xt@ -\footmarkwidth{
13459         \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
13460         \hspace*{-\footmarkwidth}}}%
13461 \else
13462     \ifdim\footmarkwidth = \z@
13463         {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
13464     \else
13465         \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
13466     \fi
13467 \fi}
13468 \renewcommand{\RTLfootfootmark}{%
13469 \ifdim\footmarkwidth < \z@
13470     \llap{\hb@xt@ -\footmarkwidth{
13471         \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
13472         \hspace*{-\footmarkwidth}}}%
13473 \else
13474     \ifdim\footmarkwidth = \z@
13475         {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
13476     \else
13477         \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
13478     \fi
13479 \fi}
13480 \fi
13481 }

```

90 File framed-xetex-bidi.def

```

13482 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for xetex]
13483 \renewcommand\TitleBarFrame[3] [] {\begingroup
13484     \ifx\delimiter#1\delimiter
13485         \let\TF@conlab\@empty
13486     \else
13487         \def\TF@conlab{% continuation label
13488         \nointerlineskip
13489         \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
13490     \fi
13491     %\let\TF@savecolor\current@color
13492     \textcolor{TFFrameColor}{%
13493     \CustomFBox
13494         {\TF@Title{#2}}{\TF@conlab}%
13495         \fboxrule\fboxrule\fboxrule\fboxrule
13496         %{\let\current@color\TF@savecolor\set@color #3}%
13497         {\normalcolor #3}%
13498     }\endgroup

```



```

13499 }
13500 \renewenvironment{titled-frame}[1]{%
13501   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
13502     \TitleBarFrame{\textbf{#1}}}%
13503   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
13504     \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1}}}%
13505   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
13506     \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1\ (con
13507   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
13508     \TitleBarFrame{\textbf{#1\ (cont)}}}%
13509   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
13510 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
13511 % could interfere with the width measurement.
13512 {\endMakeFramed}
13513 \chardef\FrameRestore=\catcode`\| % for debug
13514 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
13515 \def\fb@put@frame#1#2{\relax
13516   \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
13517   | \message{===== Entering putframe =====^~J
13518   | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
13519   \ifinner
13520     \fb@putboxa#1%
13521     \fb@afterframe
13522   \else
13523     \dimen@ \pagegoal \advance\dimen@-\pagetotal % natural space left on page
13524     \ifdim\dimen@<2\baselineskip % Too little room on page
13525     | \message{Page has only \the\dimen@\space room left; eject.}%
13526     \eject \fb@adjheight \fb@put@frame#1#2%
13527   \else % there's appreciable room left on the page
13528     \fb@sizeofframe#1%
13529     | \message{\string\pagetotal=\the\pagetotal,
13530     | \string\pagegoal=\the\pagegoal,
13531     | \string\pagestretch=\the\pagestretch,
13532     | \string\pageshrink=\the\pageshrink,
13533     | \string\fb@frh=\the\fb@frh. \space}
13534     | \message{^^JBox of size \the\ht@tempboxa\space}%
13535     \begingroup % temporarily set \dimen@ to be...
13536     \advance\dimen@.8\pageshrink % maximum space available on page
13537     \advance\dimen@-\fb@frh\relax % max space available for frame's contents
13538 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
13539     \expandafter\endgroup
13540     % expand \ifdim, then restore \dimen@ to real room left on page
13541     \ifdim\dimen@>\ht@tempboxa % whole box does fit
13542     | \message{fits in \the\dimen@.}%
13543     % ToDo: Change this to use vsplit anyway to capture the marks
13544     % MERGE THIS WITH THE else CLAUSE!!!
13545     \fb@putboxa#1%
13546     \fb@afterframe
13547   \else % box must be split
13548   | \message{must be split to fit in \the\dimen@.}%
13549   % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
13550   \fb@sizeofframe#2%
13551   \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
13552     \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink

```



```

13553         \kern137sp\kern-137sp\penalty-30
13554         \unvbox\@tempboxa}%
13555     \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
13556                 \splittopskip\the\splittopskip}%
13557     \boxmaxdepth\z@ \splittopskip\z@
13558 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
13559     % Split box here
13560     \setbox\tw@\vsplit\@tempboxa to\dimen@
13561 | \toks99\expandafter{\splitfirstmark}%
13562 | \toks98\expandafter{\splitbotmark}%
13563 | \message{Marks are: \the\toks99, \the\toks98. }%
13564     \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
13565 | \message{Natural height of split box is \the\ht\tw@, leaving
13566 | \the\ht\@tempboxa\space remainder. }%
13567     % If the split-to size > (\vsize-\topskip), then set box to full size.
13568     \begingroup
13569     \advance\dimen@\topskip
13570     \expandafter\endgroup
13571     \ifdim\dimen@>\pagegoal
13572 | \message{Frame is big -- Use up the full column. }%
13573     \dimen@ii\pagegoal
13574     \advance\dimen@ii -\topskip
13575     \advance\dimen@ii \FrameHeightAdjust\relax
13576     \else % suspect this is implemented incorrectly:
13577         % If the split-to size > feasible room_on_page, rebox it smaller.
13578         \advance\dimen@.8\pageshrink
13579         \ifdim\ht\tw@>\dimen@
13580 | \message{Box too tall; rebox it to \the\dimen@. }%
13581         \dimen@ii\dimen@
13582         \else % use natural size
13583             \dimen@ii\ht\tw@
13584         \fi
13585     \fi
13586     % Re-box contents to desired size \dimen@ii
13587     \advance\dimen@ii -\fb@frh
13588     \setbox\tw@\vbox to\dimen@ii \bgroup
13589     % remove simulated frame and page flexibility:
13590     \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
13591     \unvbox\tw@ \unpenalty\unpenalty
13592     \ifdim\lastkern=-137sp % whole box went to next page
13593 | \message{box split at beginning! }%
13594     % need work here???
13595     \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
13596     \fb@adjheight
13597     \fb@put@frame#1#2% INSERTED ???
13598     \else % Got material split off at the head
13599         \egroup \fb@resto@set
13600         \ifvoid\@tempboxa % it all fit after all
13601 | \message{box split at end! }%
13602         \setbox\@tempboxa\box\tw@
13603         \fb@putboxa#1%
13604         \fb@afterframe
13605         \else % it really did split
13606 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%

```



```

13607         \ifdim\wd\tw@>\z@
13608         \wd\tw@\wd\@tempboxa
13609         \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
13610     \else
13611 |         \message{Zero width means likely blank. Don't frame it (guess)}%
13612         \box\tw@
13613     \fi
13614     \hrule \@height\z@ \@width\hsize
13615     \eject
13616     \fb@adjheight
13617     \fb@put@frame\LastFrameCommand\MidFrameCommand
13618 \fi\fi\fi\fi\fi
13619 }
13620 \def\fb@putboxa#1{%
13621     \ifvoid\@tempboxa
13622         \PackageWarning{framed}{Boxa is void -- discard it.}%
13623     \else
13624 |         \message{Frame and place boxa.}%
13625 |         %{\showoutput\showbox\@tempboxa}%
13626         \centerline{#1{\hboxL{\box\@tempboxa}}}%
13627     \fi
13628 }
13629 \catcode`\|=\FrameRestore
13630 \def\FrameRestore{%
13631     \let\if@nobreak\iffalse
13632     \let\if@noskipsec\iffalse
13633     \let\-\@dischypn
13634     \let'\@acci\let'\@accii\let\=\@acciii
13635     % \message{FrameRestore:
13636     %     \@totalleftmargin=\the \@totalleftmargin,
13637     %     \rightmargin=\the\rightmargin,
13638     %     \@listdepth=\the\@listdepth.}%
13639     % Test if we are in a list (or list-like paragraph)
13640     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
13641         \ifdim\rightmargin>\z@ 1\fi
13642         \ifnum\@listdepth>\z@ 1\fi 0>\z@
13643         % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
13644         %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
13645         %     \labelwidth=\the\labelwidth.}%
13646         \@setminipage % snug fit around the item
13647         % Now try to propagate changes of width from \hsize to list parameters.
13648         % This is deficient, but a more advanced way to indicate modification to text
13649         % dimensions is not (yet) provided; in particular, no separate left/right
13650         % adjustment.
13651         \advance\linewidth-\columnwidth \advance\linewidth\hsize
13652         \parshape\@ne \@totalleftmargin \linewidth
13653     \else % Not in list
13654         \linewidth=\hsize
13655         %\message{No list, set \string\linewidth=\the\hsize.}%
13656     \fi
13657     \sloppy
13658 }

```



91 File ftnright-xetex-bidi.def

```

13659 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
13660
13661 \def\prepare@bidi@copyins{%
13662   \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
13663   \global\skip\@bidi@copyins@\z@
13664   \global\count\@bidi@copyins@\z@
13665   \global\dimen\@bidi@copyins@\textheight}
13666
13667 \newskip\bidi@rcol@copyinsskip
13668
13669 \def\LTR@outputdblcol{%
13670   \if@firstcolumn
13671     \global\@firstcolumnfalse
13672     \global\setbox\@leftcolumn\copy\@outputbox
13673     \global\count\footins\@m
13674     \global\skip\footins\rcol@footinsskip
13675     \global\count\@bidi@copyins@\@m
13676     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
13677     \splitmaxdepth\maxdimen
13678     \vbadness\maxdimen
13679     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13680     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13681     \toks@\expandafter{\topmark}%
13682     \xdef\@firstcoltopmark{\the\toks@}%
13683     \toks@\expandafter{\splitfirstmark}%
13684     \xdef\@firstcolfirstmark{\the\toks@}%
13685     \ifx\@firstcolfirstmark\@empty
13686       \global\let\@setmarks\relax
13687     \else
13688       \gdef\@setmarks{%
13689         \let\firstmark\@firstcolfirstmark
13690         \let\topmark\@firstcoltopmark}%
13691     \fi
13692   \else
13693     \preparefootins
13694     \prepare@bidi@copyins
13695     \global\@firstcolumntrue
13696     \setbox\@outputbox\vbox{%
13697       \hb@xt@\textwidth{%
13698         \hb@xt@\columnwidth{%
13699           \bidi@firstcolumn@status@write%
13700           \box\@leftcolumn \hss}%
13701       \hfil
13702       {\normalcolor\vrule \@width\columnseprule}%
13703       \hfil
13704       \hb@xt@\columnwidth{%
13705         \bidi@lastcolumn@status@write%
13706         \box\@outputbox \hss}}}%
13707   \@combinedblfloats
13708   \@setmarks
13709   \@outputpage
13710   \begingroup

```




```

13711 \dblfloatplacement
13712 \startdblcolumn
13713 \@whilesw@if@fcolmade \fi{\@outputpage
13714 \startdblcolumn}%
13715 \endgroup
13716 \fi}%
13717
13718 \def\RTL@outputdblcol{%
13719 \if@firstcolumn
13720 \global\@firstcolumnfalse
13721 \global\setbox\@leftcolumn\copy\@outputbox
13722 \global\count\footins\@m
13723 \global\skip\footins\rcol\footinsskip
13724 \global\count\@bidi@copyins\@m
13725 \global\skip\@bidi@copyins\@bidi\rcol\copyinsskip
13726 \splitmaxdepth\maxdimen
13727 \vbadness\maxdimen
13728 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
13729 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
13730 \toks@\expandafter{\topmark}%
13731 \xdef\@firstcoltopmark{\the\toks@}%
13732 \toks@\expandafter{\splitfirstmark}%
13733 \xdef\@firstcolfirstmark{\the\toks@}%
13734 \ifx\@firstcolfirstmark\@empty
13735 \global\let\@setmarks\relax
13736 \else
13737 \gdef\@setmarks{%
13738 \let\firstmark\@firstcolfirstmark
13739 \let\topmark\@firstcoltopmark}%
13740 \fi
13741 \else
13742 \preparefootins
13743 \prepare@bidi@copyins
13744 \global\@firstcolumntrue
13745 \setbox\@outputbox\vbox{%
13746 \hb@xt@\textwidth{%
13747 \hskip \columnwidth
13748 \hfil
13749 {\normalcolor\vrule \@width\columnseprule}%
13750 \hfil
13751 \hb@xt@\columnwidth{%
13752 \bidi@firstcolumn@status@write%
13753 \box\@leftcolumn \hss}%
13754 \hskip -\textwidth
13755 \hb@xt@\columnwidth{%
13756 \bidi@lastcolumn@status@write%
13757 \box\@outputbox \hss}%
13758 \hskip \columnsep
13759 \hskip \columnwidth }}%
13760 \@combinedblfloats
13761 \@setmarks
13762 \@outputpage
13763 \begingroup
13764 \dblfloatplacement

```



```

13765      \@startdblcolumn
13766      \@whiles\if@fcolmade \fi{\@outputpage
13767      \@startdblcolumn}%
13768      \endgroup
13769 \fi}%
13770
13771 \def\@startcolumn{%
13772 \ifx\@deferlist\@empty
13773   \global\@fcolmadefalse
13774   \global\@colroom\@colht
13775 \else
13776   \ifvoid\footins\else
13777     \ftn@amount\ht\footins
13778     \advance\ftn@amount\dp\footins
13779     \advance\ftn@amount\skip\footins
13780   \fi
13781   \ifvoid\@bidi@copyins\else
13782     \bidi@copyins@amount\ht\@bidi@copyins@
13783     \advance\bidi@copyins@amount\dp\@bidi@copyins@
13784     \advance\bidi@copyins@amount\skip\@bidi@copyins@
13785   \fi
13786   \global\advance\@colht-\ftn@amount
13787   \global\advance\@colht-\bidi@copyins@amount
13788   \global\@colroom\@colht
13789   \@xstartcol
13790   \global\advance\@colht\ftn@amount
13791   \global\advance\@colroom\ftn@amount
13792   \global\advance\@colht\bidi@copyins@amount
13793   \global\advance\@colroom\bidi@copyins@amount
13794 \fi
13795 \if@fcolmade
13796   \setbox\@cclv\box\@outputbox
13797   \@makecol
13798 \else
13799   \ifvoid\footins\else
13800     \insert\footins{\unvbox\footins}\fi
13801   \ifvoid\@bidi@copyins\else
13802     \insert\@bidi@copyins{\unvbox\@bidi@copyins}\fi
13803 \fi}
13804
13805 \newdimen\bidi@copyins@amount
13806
13807 \def\@makecol{\if@firstcolumn
13808   \setbox\@outputbox\box\@cclv
13809   \if@twocolumn \else
13810     \ifvoid\footins \else
13811       \@latexerr{ftnright package
13812         used in one-column mode}%
13813       {The ftnright package was designed to
13814       work with LaTeX's standard^^Jtwocolumn
13815       option. It does *not* work with the
13816       multicol package.^^JSo please specify
13817       `twocolumn' in the
13818       \noexpand\documentclass command.}%

```



```

13819     \shipout\box\footins \fi
13820     \ifvoid\@bidi@copyins@ \else
13821         \@latexerr{ftnright package
13822             used in one-column mode}%
13823     {The ftnright package was designed to
13824     work with LaTeX's standard^^Jtwocolumn
13825     option. It does *not* work with the
13826     multicol package.^^JSo please specify
13827     `twocolumn' in the
13828     \noexpand\documentclass command.}%
13829     \shipout\box\@bidi@copyins@ \fi\fi
13830 \ifnum\insertpenalties>\z@
13831     \@latexerr{ftnright package
13832         scrambled footnotes}%
13833     {There is too much footnote material in
13834     the first column and ftnright^^Jis
13835     unable to cope with this.^^JYou need
13836     to reduce the amount to get a properly
13837     formatted page.}%
13838 \fi
13839 \else
13840     \ifvoid\footins
13841         \ifvoid\@bidi@copyins@
13842             \setbox\@outputbox\box\@cclv
13843         \else
13844             \setbox\@outputbox\vbox
13845             {\ifvoid\@cclv \else
13846                 \unvbox\@cclv
13847                 \vskip \skip\@bidi@copyins@
13848             \fi
13849             \color@begingroup
13850             \normalcolor
13851             \unvbox \@bidi@copyins@
13852             \color@endgroup}%
13853     \fi
13854 \else
13855     \setbox\@outputbox\vbox
13856     {\ifvoid\@cclv \else
13857         \unvbox\@cclv
13858         \vskip\skip\footins\fi
13859         \color@begingroup
13860         \normalcolor
13861         \footnoterule\unvbox\footins
13862         \color@endgroup
13863         \ifvoid\@bidi@copyins@
13864         \else
13865             \vskip \skip\@bidi@copyins@
13866             \color@begingroup
13867             \normalcolor
13868             \unvbox \@bidi@copyins@
13869             \color@endgroup
13870         \fi
13871     }%
13872 \fi

```



```

13873 \fi
13874 \xdef\@freelist{\@freelist\@midlist}%
13875 \global \let \@midlist \@empty
13876 \@combinefloats
13877 \ifvbox\@kludgeins
13878   \@makespecialcolbox
13879 \else
13880   \setbox\@outputbox\vbox to\@colht
13881     {\boxmaxdepth\maxdepth
13882       \@texttop
13883       \@tempdima\dp\@outputbox
13884       \unvbox\@outputbox
13885       \vskip-\@tempdima
13886       \@textbottom}%
13887 \fi
13888 \global\maxdepth\@maxdepth}
13889
13890 \let\leftfootnoterule\@empty
13891 \let\rightfootnoterule\@empty
13892 \let\textwidthfootnoterule\@empty
13893 \let\autofootnoterule\@empty
13894 \let\footnoterule\@empty
13895 \long\def\@makefntext#1{\parindent 1em
13896   \noindent\hbox to 2em{}}%
13897   \llap{\@thefnmark\hbox{.}\,\,}\,#1}
13898
13899 \setlength{\skip\@bidi@copyins@}
13900   {10pt plus 5pt minus 3pt}
13901 \AtBeginDocument{\prepare@bidi@copyins}

```

92 File graphicx-xetex-bidi.def

```

13902 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
13903 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
13904   \Grot@setangle{#1}%
13905   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
13906   \Grot@x\z@
13907   \Grot@y\z@
13908   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
13909 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
13910   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
13911   \Grot@x\width \divide\Grot@x\tw@
13912   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
13913   \setkeys{Grot}{#1}%
13914   \setbox\z@\box\@tempboxa
13915   \Grot@setangle{#2}%
13916   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13917   \@end@tempboxa}
13918 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
13919   \leavevmode
13920   \def\Gscale@x{#1}\def\Gscale@y{#2}%
13921   \setbox\z@\hbox{#3}%
13922   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
13923   \ifdim#2\p<\z@

```



```

13924 \ht\tw@-#2\dp\z@
13925 \dp\tw@-#2\ht\z@
13926 \else
13927 \ht\tw@#2\ht\z@
13928 \dp\tw@#2\dp\z@
13929 \fi
13930 \ifdim#1\p@<\z@
13931 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
13932 \else
13933 \wd\tw@#1\wd\z@
13934 \box\tw@
13935 \fi\ifmmode\else\if@RTL\endL\fi\fi}
13936 \def\Gin@iii[#1,#2][#3,#4]#5{%
13937 \begingroup
13938 \ifmmode\else\if@RTL\beginL\fi\fi
13939 \Gin@bboxtrue
13940 \Gin@defaultbp\Gin@llx{#1}%
13941 \Gin@defaultbp\Gin@lly{#2}%
13942 \Gin@defaultbp\Gin@urx{#3}%
13943 \Gin@defaultbp\Gin@ury{#4}%
13944 \Gin@include@graphics{#5}%
13945 \ifmmode\else\if@RTL\endL\fi\fi
13946 \endgroup}
13947 \def\Gin@ii[#1]#2{%
13948 \def\@tempa{[]}\def\@tempb{#2}%
13949 \ifx\@tempa\@tempb
13950 \def\@tempa{\Gin@iii[#1][]}%
13951 \expandafter\@tempa
13952 \else
13953 \begingroup
13954 \ifmmode\else\if@RTL\beginL\fi\fi
13955 \@tempswafalse
13956 \toks@{\Gin@include@graphics{#2}}%
13957 \setkeys{Gin}{#1}%
13958 \Gin@esetsize
13959 \the\toks@
13960 \ifmmode\else\if@RTL\endL\fi\fi
13961 \endgroup
13962 \fi}
13963 \def\reflectbox{\bidiGscale@box-1[1]}
13964 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
13965 \leavevmode
13966 \def\Gscale@x{#1}\def\Gscale@y{#2}%
13967 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
13968 \setbox\zw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
13969 \ifdim#2\p@<\z@
13970 \ht\tw@-#2\dp\z@
13971 \dp\tw@-#2\ht\z@
13972 \else
13973 \ht\tw@#2\ht\z@
13974 \dp\tw@#2\dp\z@
13975 \fi
13976 \ifdim#1\p@<\z@
13977 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%

```



```

13978 \else
13979 \wd\tw@#1\wd\z@
13980 \box\tw@
13981 \fi\ifmmode\else\if@RTL\endL\fi\fi}
13982 \def\scalebox#1{%
13983 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
13984 \def\resizebox{%
13985 \leavevmode
13986 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
13987 \def\bidiGscale@@box#1#2#3{%
13988 \let\@tempa\Gin@exclamation
13989 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
13990 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
13991 \ifx\@tempb\@tempa
13992 \ifx\@tempc\@tempa
13993 \toks@{\mbox}%
13994 \else
13995 \toks@{\bidiGscale@box@dd{#3}#1}%
13996 \fi
13997 \else
13998 \ifx\@tempc\@tempa
13999 \toks@{\bidiGscale@box@dd{#2}\width}%
14000 \else
14001 \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
14002 \fi
14003 \fi
14004 \the\toks@}
14005 \long\def\bidiGscale@box@dd#1#2#3{%
14006 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\fi}
14007 \setlength\@tempdima{#1}%
14008 \setlength\@tempdimb{#2}%
14009 \Gscale@div\@tempa\@tempdima\@tempdimb
14010 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
14011 \@end@tempboxa}
14012 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
14013 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\fi}
14014 \setlength\@tempdima{#1}%
14015 \setlength\@tempdimb{#2}%
14016 \Gscale@div\@tempa\@tempdima\@tempdimb
14017 \setlength\@tempdima{#3}%
14018 \setlength\@tempdimb{#4}%
14019 \Gscale@div\@tempb\@tempdima\@tempdimb
14020 \ifGin@iso
14021 \ifdim\@tempa\p@>\@tempb\p@
14022 \let\@tempa\@tempb
14023 \else
14024 \let\@tempb\@tempa
14025 \fi
14026 \fi
14027 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
14028 \@end@tempboxa}

```

93 File geometry-xetex-bidi.def



```

14029 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
14030 \renewcommand*{\Gm@vrules@mpi}{%
14031 \if@RTLmain%
14032     \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
14033     \llap{\Gm@vrule}\ignorespaces
14034     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
14035     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
14036 \else%
14037 \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
14038 \hskip \textwidth\Gm@vrule\hskip \marginparsep
14039 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
14040 \renewcommand*{\Gm@vrules@mpii}{%
14041 \if@RTLmain%
14042 \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
14043 \hskip \textwidth\Gm@vrule\hskip \marginparsep
14044 \llap{\Gm@vrule}\hfil\Gm@vrule}%
14045 \else%
14046 \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
14047 \llap{\Gm@vrule}\ignorespaces
14048 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
14049 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
14050 \bidi@patchcmd{\Gm@pageframes}{%
14051 \ifodd\count\z@
14052 \let\@themargin\oddsidemargin
14053 \else
14054 \let\@themargin\evensidemargin
14055 \fi
14056 }{%
14057 \ifodd\count\z@
14058 \if@RTLmain
14059 \let\@themargin\evensidemargin
14060 \else
14061 \let\@themargin\oddsidemargin
14062 \fi
14063 \else
14064 \if@RTLmain
14065 \let\@themargin\oddsidemargin
14066 \else
14067 \let\@themargin\evensidemargin
14068 \fi
14069 \fi
14070 }{}{}

```

94 File hvfloat-xetex-bidi.def

```

14071 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package]
14072 \def\do@hvFloat[#1]#2#3{%
14073 \def\hv@shortCap{#1}
14074 \def\hv@longCap{#2}
14075 \def\hv@label{#3}
14076 %\newcommand*{\hvFloat}[5][{}]{%
14077 % [#1]: keyvalues
14078 % #2: type figure | table | ...
14079 % #3: float contents

```



```

14080% [#4]: short caption
14081% #5: caption
14082% #6: label
14083% \setDefaults%
14084% \def\@tempa{#1}%
14085% \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
14086% \def\@tempa{90}%
14087% \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
14088% \else \setlength{\hvMaxCapWidth}{\linewidth}
14089% \fi
14090%
14091% First we save the object in \hvObjectBox
14092%
14093% \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
14094% \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
14095% \else
14096% \savebox{\hvObjectBox}{%
14097% \rotatebox{\hvSet@objectAngle}{%
14098% \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
14099% \fi
14100% \setlength{\hvObjectWidth}{\wd\hvObjectBox}
14101%
14102% Now we save the caption with its defined \hvCapWidth
14103%
14104% \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
14105% \else
14106% \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
14107% \else
14108% \setlength{\hvCapWidth}{\hvObjectWidth}
14109% \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
14110% \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
14111% \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
14112% \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
14113% \else
14114% \setlength{\hvCapWidth}{\hvMaxCapWidth}
14115% \fi
14116% \fi
14117% \fi
14118%
14119% now we have the object and the caption with the right
14120% rotated angles saved in boxes
14121%
14122% \def\fps@figure{\hvSet@floatPos}
14123% \ifhv@nonFloat\begin{group}% Start the nonfloat part
14124% \else \begin{\hv@floatType}% Start the floating environment
14125% \fi%
14126% \saveCaptionSkip% we put this space ourselves
14127% \ifx\hvSet@capAngle\hv@Width % need rotation?
14128% \sbox{\hvCaptionBox}{%
14129% \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
14130% \ifhv@nonFloat%
14131% \ifhv@onlyText#2%
14132% \else%
14133% \ifx\hv@floatType\hv@figure

```




```

14134     \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
14135     \else
14136         \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
14137     \fi
14138 \fi
14139 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
14140 \fi%
14141 \label{#3}%
14142     \end{minipage}%
14143 }%
14144 \else%
14145     \sbox{\hvCaptionBox}{%
14146         \rotatebox{\hvSet@capAngle}{%
14147             \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
14148 \ifhv@nonFloat%
14149             \ifhv@onlyText#2%
14150             \else%
14151             \ifx\hv@floatType\hv@figure
14152                 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
14153             \else
14154                 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
14155             \fi
14156         \fi
14157 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
14158             \fi%
14159             \label{#3}%
14160             \end{minipage}%
14161         }%
14162     }%
14163 \fi%
14164 %%
14165 \restoreCaptionSkip% save old values
14166 \ifx\hvSet@objectPos\hv@Right\@bidi@raggedleft%
14167 \else%
14168     \ifx\hvSet@objectPos\hv@Center
14169         \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
14170     \fi%
14171 \fi%
14172 %
14173 % to rotate object and caption together, we save all in another box
14174 % the caption comes first, if its on the left or the top
14175 %
14176 \savebox{\@tempboxa}{%
14177     \ifx\hvSet@capPos\hv@Left % caption on left side
14178 \if@RTL%
14179 \ifx\hvSet@capVPos\hv@Center%
14180 \ifhv@fbox
14181 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
14182 \else
14183 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
14184 \fi%
14185 \hspace{\hvSet@floatCapSep pt}%
14186 \ifhv@fbox
14187 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%

```



```

14188 \else
14189 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
14190 \fi%
14191 \else%
14192 \ifx\hvSet@capVPos\hv@Top
14193 \ifhv@fbox
14194 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
14195 \else
14196 \raisebox{-\height}{\usebox{\hvObjectBox}}%
14197 \fi%
14198 \hspace{\hvSet@floatCapSep pt}%
14199 \ifhv@fbox
14200 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
14201 \else
14202 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
14203 \fi
14204 \else
14205 \ifhv@fbox
14206 \fbox{\usebox{\hvObjectBox}}%
14207 \else
14208 \usebox{\hvObjectBox}%
14209 \fi
14210 \hspace{\hvSet@floatCapSep pt}%
14211 \ifhv@fbox
14212 \fbox{\usebox{\hvCaptionBox}}%
14213 \else
14214 \usebox{\hvCaptionBox}%
14215 \fi%
14216 \fi%
14217 \fi%
14218 \else% not RTL
14219 \ifx\hvSet@capVPos\hv@Center%
14220 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
14221 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
14222 \fi%
14223 \hspace{\hvSet@floatCapSep pt}% capfloatsep
14224 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
14225 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
14226 \fi%
14227 \else%
14228 \ifx\hvSet@capVPos\hv@Top % caption at top
14229 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
14230 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
14231 \fi
14232 \hspace{\hvSet@floatCapSep pt}% capfloatsep
14233 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
14234 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
14235 \fi%
14236 \else% caption on bottom
14237 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
14238 \else\usebox{\hvCaptionBox}
14239 \fi%
14240 \hspace{\hvSet@floatCapSep pt}%
14241 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}

```



```

14242     \else      \usebox{\hvObjectBox}
14243     \fi%
14244     \fi%
14245 \fi% end of RTL
14246     \fi%
14247     \else
14248     \ifx\hvSet@capPos\hv@Top
14249     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
14250     \begin{minipage}{\wd\hvCaptionBox}
14251     \else
14252     \begin{minipage}{\wd\hvObjectBox}
14253     \fi
14254     \centering
14255     \ifhv@fbox
14256     \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
14257     \fbox{\usebox{\hvObjectBox}}
14258     \else
14259     \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
14260     \usebox{\hvObjectBox}
14261     \fi%
14262     \end{minipage}
14263     \else
14264     \ifx\hvSet@capPos\hv@Bottom
14265     \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
14266     \begin{minipage}{\wd\hvCaptionBox}
14267     \else
14268     \begin{minipage}{\wd\hvObjectBox}
14269     \fi
14270     \centering
14271     \ifhv@fbox
14272     \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
14273     \fbox{\usebox{\hvCaptionBox}}
14274     \else
14275     \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
14276     \usebox{\hvCaptionBox}
14277     \fi%
14278     \end{minipage}
14279 \else% the last option: put the caption on the right
14280 \if@RTL%
14281     \ifx\hvSet@capVPos\hv@Center%
14282     \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
14283     \else      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
14284     \fi%
14285     \hspace{\hvSet@floatCapSep pt}% capfloatsep
14286     \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
14287     \else      \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
14288     \fi%
14289 \else%
14290     \ifx\hvSet@capVPos\hv@Top % caption at top
14291     \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
14292     \else      \raisebox{-\height}{\usebox{\hvCaptionBox}}%
14293     \fi
14294     \hspace{\hvSet@floatCapSep pt}% capfloatsep
14295     \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%

```



```

14296         \else         \raisebox{-\height}{\usebox{\hvObjectBox}}%
14297         \fi%
14298     \else% caption on bottom
14299         \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
14300             \else\usebox{\hvCaptionBox}
14301         \fi%
14302         \hspace{\hvSet@floatCapSep pt}%
14303         \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
14304         \else         \usebox{\hvObjectBox}
14305         \fi%
14306     \fi%
14307 \fi%
14308 \else% not RTL
14309 \ifx\hvSet@capVPos\hv@Center%
14310 \ifhv@fbox
14311 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
14312 \else
14313 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
14314 \fi%
14315 \hspace{\hvSet@floatCapSep pt}%
14316 \ifhv@fbox
14317 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
14318 \else
14319 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
14320 \fi%
14321 \else%
14322 \ifx\hvSet@capVPos\hv@Top
14323 \ifhv@fbox
14324 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
14325 \else
14326 \raisebox{-\height}{\usebox{\hvObjectBox}}%
14327 \fi%
14328 \hspace{\hvSet@floatCapSep pt}%
14329 \ifhv@fbox
14330 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
14331 \else
14332 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
14333 \fi
14334 \else
14335 \ifhv@fbox
14336 \fbbox{\usebox{\hvObjectBox}}%
14337 \else
14338 \usebox{\hvObjectBox}%
14339 \fi
14340 \hspace{\hvSet@floatCapSep pt}%
14341 \ifhv@fbox
14342 \fbbox{\usebox{\hvCaptionBox}}%
14343 \else
14344 \usebox{\hvCaptionBox}%
14345 \fi%
14346 \fi%
14347 \fi
14348 \fi% end of RTL
14349 \fi

```



```

14350 \fi
14351 \fi
14352 }% End savebox Object and caption
14353 %
14354 % now we rotate the object and caption, if needed
14355 %
14356 \ifx\hvSet@rotAngle\hv@Zero
14357 \usebox{\@tempboxa}
14358 \else
14359 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
14360 \fi
14361 \ifhv@nonFloat
14362 \ifx\hvSet@objectPos\hv@Center
14363 \ifhv@nonFloat
14364 \hspace{\fill}
14365 \fi
14366 \fi
14367 \endgroup% End the nonfloat part
14368 \else
14369 \end{\hv@floatType}% End the floating environment
14370 \fi
14371 }

```

95 File hyperref-xetex-bidi.def

```

14372 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
14373 \AtBeginDocument{%
14374 \def\contentsline#1#2#3#4{%
14375   \ifx\#4\%
14376     \csname l@#1\endcsname{#2}{#3}%
14377   \else
14378     \ifcase\Hy@linktoc % none
14379       \csname l@#1\endcsname{#2}{#3}%
14380     \or % section
14381       \csname l@#1\endcsname{%
14382         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
14383       }{#3}%
14384     \or % page
14385       \csname l@#1\endcsname{#2}{#3}%
14386       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
14387     }%
14388   \else % all
14389     \csname l@#1\endcsname{%
14390       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
14391     }{%
14392       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
14393     }%
14394   \fi
14395 \fi
14396 }
14397 \ifHy@hyperfootnotes
14398   \let\H@@footnotetext\@footnotetext
14399   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
14400   \let\HLTR@LTRfootnotetext\@LTRfootnotetext

```



```

14401 \def\xfootnotenext[#1]{%
14402 \begingroup
14403 \csname c@\mpfn\endcsname #1\relax
14404 \unrestored@protected@xdef\@thefnmark{\thempfn}%
14405 \endgroup
14406 \ifx\@footnotetext\@mpfootnotetext
14407 \expandafter\H@\mpfootnotetext
14408 \else
14409 \expandafter\H@\@footnotetext
14410 \fi
14411 }%
14412 \def\xRTLfootnotenext[#1]{%
14413 \begingroup
14414 \csname c@\mpfn\endcsname #1\relax
14415 \unrestored@protected@xdef\@thefnmark{\thempfn}%
14416 \endgroup
14417 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
14418 \expandafter\HRTL@\mpRTLfootnotetext
14419 \else
14420 \expandafter\HRTL@\@RTLfootnotetext
14421 \fi
14422 }%
14423 \def\xLTRfootnotenext[#1]{%
14424 \begingroup
14425 \csname c@\mpfn\endcsname #1\relax
14426 \unrestored@protected@xdef\@thefnmark{\thempfn}%
14427 \endgroup
14428 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
14429 \expandafter\HLTR@\mpLTRfootnotetext
14430 \else
14431 \expandafter\HLTR@\@LTRfootnotetext
14432 \fi
14433 }%
14434 \def\xfootnotemark[#1]{%
14435 \begingroup
14436 \c@footnote #1\relax
14437 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
14438 \endgroup
14439 \H@\footnotemark
14440 }%
14441 \let\H@\mpfootnotetext\@mpfootnotetext
14442 \let\HRTL@\mpRTLfootnotetext\@mpRTLfootnotetext
14443 \let\HLTR@\mpLTRfootnotetext\@mpLTRfootnotetext
14444 \long\def\@mpfootnotetext#1{%
14445 \H@\mpfootnotetext{%
14446 \ifHy@nesting
14447 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
14448 \else
14449 \Hy@raisedlink{%
14450 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
14451 }#1%
14452 \fi
14453 }%
14454 }%

```



```

14455 \long\def\@mpRTLfootnotetext#1{%
14456   \HRTL@mpRTLfootnotetext{%
14457     \ifHy@nesting
14458       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
14459     \else
14460       \Hy@raisedlink{%
14461         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
14462       }#1%
14463     \fi
14464   }%
14465 }%
14466 \long\def\@mplTRfootnotetext#1{%
14467   \HLTR@mplTRfootnotetext{%
14468     \ifHy@nesting
14469       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
14470     \else
14471       \Hy@raisedlink{%
14472         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
14473       }#1%
14474     \fi
14475   }%
14476 }%
14477 \long\def\@footnotetext#1{%
14478   \H@@footnotetext{%
14479     \ifHy@nesting
14480       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
14481     \else
14482       \Hy@raisedlink{%
14483         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
14484       }%
14485       \let\@currentHlabel\Hy@footnote@currentHlabel
14486       \let\@currentHref\Hy@footnote@currentHref
14487       \let\@currentlabelname\@empty
14488       #1%
14489     \fi
14490   }%
14491 }%
14492 \long\def\@RTLfootnotetext#1{%
14493   \HRTL@RTLfootnotetext{%
14494     \ifHy@nesting
14495       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
14496     \else
14497       \Hy@raisedlink{%
14498         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
14499       }%
14500       \let\@currentHlabel\Hy@footnote@currentHlabel
14501       \let\@currentHref\Hy@footnote@currentHref
14502       \let\@currentlabelname\@empty
14503       #1%
14504     \fi
14505   }%
14506 }%
14507 \long\def\@LTRfootnotetext#1{%
14508   \HLTR@LTRfootnotetext{%

```



```

14509 \ifHy@nesting
14510 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
14511 \else
14512 \Hy@raisedlink{%
14513 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
14514 }%
14515 \let\@currentHlabel\Hy@footnote@currentHlabel
14516 \let\@currentHref\Hy@footnote@currentHref
14517 \let\@currentlabelname\@empty
14518 #1%
14519 \fi
14520 }%
14521 }%
14522 \@ifpackageloaded{tabularx}{%
14523 \let\HyOrg@TX@endtabularx\TX@endtabularx
14524 \def\Hy@tabularx@hook{%
14525 \let\@footnotetext\H@@footnotetext
14526 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
14527 \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
14528 \let\@footnotemark\H@@footnotemark
14529 \let\@mpfootnotetext\H@@mpfootnotetext
14530 \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
14531 \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
14532 }%
14533 \begingroup
14534 \toks@\expandafter{\TX@endtabularx}%
14535 \xdef\Hy@gtemp{%
14536 \noexpand\Hy@tabularx@hook
14537 \the\toks@
14538 }%
14539 \endgroup
14540 \let\TX@endtabularx\Hy@gtemp
14541 }{}%
14542 \@ifpackageloaded{longtable}{%
14543 \CheckCommand*{\LT@p@LTRftntext}[1]{%
14544 \edef\@tempa{%
14545 \the\LT@p@ftn
14546 \noexpand\LTRfootnotetext[\the\c@footnote]%
14547 }%
14548 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
14549 }%
14550 \long\def\LT@p@LTRftntext#1{%
14551 \edef\@tempa{%
14552 \the\LT@p@ftn
14553 \begingroup
14554 \noexpand\c@footnote=\the\c@footnote\relax
14555 \noexpand\protected@xdef\noexpand\@thefnmark{%
14556 \noexpand\thempfn
14557 }%
14558 \noexpand\Hy@LT@LTRfootnotetext{%
14559 \Hy@footnote@currentHref
14560 }%
14561 }%
14562 \global\LT@p@ftn\expandafter{%

```




```

14563         \@tempa{#1}%
14564     \endgroup
14565 }%
14566 }%
14567 \long\def\Hy@LT@LTRfootnotetext#1#2{%
14568 \HLTR@@LTRfootnotetext{%
14569     \ifHy@nesting
14570     \hyper@@anchor{#1}{#2}%
14571     \else
14572     \Hy@raisedlink{%
14573     \hyper@@anchor{#1}{\relax}%
14574     }%
14575     \def\@currentHref{#1}%
14576     \let\@currentlabelname\@empty
14577     #2%
14578     \fi
14579 }%
14580 }%
14581 \CheckCommand*{\LT@p@RTLftntext}[1]{%
14582     \edef\@tempa{%
14583     \the\LT@p@ftn
14584     \noexpand\RTLfootnotetext[\the\c@footnote]%
14585     }%
14586     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
14587 }%
14588 \long\def\LT@p@RTLftntext#1{%
14589     \edef\@tempa{%
14590     \the\LT@p@ftn
14591     \begingroup
14592     \noexpand\c@footnote=\the\c@footnote\relax
14593     \noexpand\protected@xdef\noexpand\@thefnmark{%
14594     \noexpand\thempfn
14595     }%
14596     \noexpand\Hy@LT@RTLfootnotetext{%
14597     \Hy@footnote@currentHref
14598     }%
14599     }%
14600     \global\LT@p@ftn\expandafter{%
14601     \@tempa{#1}%
14602     \endgroup
14603     }%
14604 }%
14605 \long\def\Hy@LT@RTLfootnotetext#1#2{%
14606 \HRTL@@RTLfootnotetext{%
14607     \ifHy@nesting
14608     \hyper@@anchor{#1}{#2}%
14609     \else
14610     \Hy@raisedlink{%
14611     \hyper@@anchor{#1}{\relax}%
14612     }%
14613     \def\@currentHref{#1}%
14614     \let\@currentlabelname\@empty
14615     #2%
14616     \fi

```



```

14617 }%
14618 }%
14619 }{}%
14620 \@ifpackageloaded{bidipoem}{%
14621 \long\def\bidipoem@p@ftntext#1{%
14622 \edef\@tempxi{%
14623 \the\bidipoem@p@ftn
14624 \beginingroup
14625 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
14626 \noexpand\protected@xdef\noexpand\@thefnmark{%
14627 \noexpand\thempfn
14628 }%
14629 \noexpand\Hy@bidipoem@footnotetext{%
14630 \Hy@footnote@currentHref
14631 }%
14632 }%
14633 \global\bidipoem@p@ftn\expandafter{%
14634 \@tempxi{#1}%
14635 \endgroup
14636 }%
14637 }%
14638 \long\def\Hy@bidipoem@footnotetext#1#2{%
14639 \H@@footnotetext{%
14640 \ifHy@nesting
14641 \hyper@@anchor{#1}{#2}%
14642 \else
14643 \Hy@raisedlink{%
14644 \hyper@@anchor{#1}{\relax}%
14645 }%
14646 \def\@currentHref{#1}%
14647 \let\@currentlabelname\@empty
14648 #2%
14649 \fi
14650 }%
14651 }%
14652 \long\def\bidipoem@p@LTRftntext#1{%
14653 \edef\@tempxi{%
14654 \the\bidipoem@p@ftn
14655 \beginingroup
14656 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
14657 \noexpand\protected@xdef\noexpand\@thefnmark{%
14658 \noexpand\thempfn
14659 }%
14660 \noexpand\Hy@bidipoem@LTRfootnotetext{%
14661 \Hy@footnote@currentHref
14662 }%
14663 }%
14664 \global\bidipoem@p@ftn\expandafter{%
14665 \@tempxi{#1}%
14666 \endgroup
14667 }%
14668 }%
14669 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
14670 \HLTR@@LTRfootnotetext{%

```



```

14671     \ifHy@nesting
14672     \hyper@@anchor{#1}{#2}%
14673   \else
14674     \Hy@raisedlink{%
14675       \hyper@@anchor{#1}{\relax}%
14676     }%
14677     \def\@currentHref{#1}%
14678     \let\@currentlabelname\@empty
14679     #2%
14680   \fi
14681 }%
14682 }%
14683 \long\def\bidipoem@p@RTLftntext#1{%
14684 \edef\@tempxi{%
14685   \the\bidipoem@p@ftn
14686   \begingroup
14687     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
14688     \noexpand\protected@xdef\noexpand\@thefnmark{%
14689       \noexpand\thempfn
14690     }%
14691     \noexpand\Hy@bidipoem@RTLfootnotetext{%
14692       \Hy@footnote@currentHref
14693     }%
14694   }%
14695   \global\bidipoem@p@ftn\expandafter{%
14696     \@tempxi{#1}%
14697   \endgroup
14698 }%
14699 }%
14700 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
14701   \HRTL@@RTLfootnotetext{%
14702     \ifHy@nesting
14703     \hyper@@anchor{#1}{#2}%
14704   \else
14705     \Hy@raisedlink{%
14706       \hyper@@anchor{#1}{\relax}%
14707     }%
14708     \def\@currentHref{#1}%
14709     \let\@currentlabelname\@empty
14710     #2%
14711   \fi
14712 }%
14713 }%
14714 }-}%
14715 \let\HyOrg@maketitle\maketitle
14716 \def\maketitle{%
14717   \let\Hy@saved@footnotemark\@footnotemark
14718   \let\Hy@saved@footnotetext\@footnotetext
14719   \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
14720   \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
14721   \let\@footnotemark\H@@footnotemark
14722   \let\@footnotetext\H@@footnotetext
14723   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
14724   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext

```



```

14725 \@ifnextchar[\Hy@maketitle@optarg{% ]
14726 \HyOrg@maketitle
14727 \Hy@maketitle@end
14728 }%
14729 }%
14730 \def\Hy@maketitle@optarg[#1]{%
14731 \HyOrg@maketitle[{#1}]%
14732 \Hy@maketitle@end
14733 }%
14734 \def\Hy@maketitle@end{%
14735 \ifx\@footnotemark\H@@footnotemark
14736 \let\@footnotemark\Hy@saved@footnotemark
14737 \fi
14738 \ifx\@footnotetext\H@@footnotetext
14739 \let\@footnotetext\Hy@saved@footnotetext
14740 \fi
14741 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
14742 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
14743 \fi
14744 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
14745 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
14746 \fi
14747 }%
14748 \def\realfootnote{%
14749 \@ifnextchar[\@xfootnote{%
14750 \stepcounter{\@mpfn}%
14751 \protected@xdef\@thefnmark{\thempfn}%
14752 \H@@@footnotemark\H@@footnotetext
14753 }%
14754 }%
14755 \fi
14756 \def\Hy@BeginAnnot#1{%
14757 \ifmmode\else\beginL\fi%
14758 \global\advance\c@Hy@AnnotLevel\@ne
14759 \ifnum\c@Hy@AnnotLevel=\@ne
14760 #1%
14761 \fi
14762 }
14763 \def\Hy@EndAnnot{%
14764 \ifnum\c@Hy@AnnotLevel=\@ne
14765 \Hy@endcolorlink
14766 \@pdfm@mark{eann}%
14767 \fi
14768 \global\advance\c@Hy@AnnotLevel\m@ne
14769 \ifmmode\else\endL\fi%
14770 }
14771 \def\hyper@link#1#2#3{%
14772 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi
14773 }
14774 \def\hyper@linkfile#1#2#3{%
14775 \leavevmode
14776 \Hy@BeginAnnot{%
14777 \def\Hy@pstringF{#2}%
14778 \Hy@CleanupFile\Hy@pstringF

```



```

14779 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
14780 \Hy@pstringdef\Hy@pstringD{#3}%
14781 \Hy@MakeRemoteAction
14782 \@pdfm@mark{%
14783   bann<<%
14784     /Type/Annot%
14785     /Subtype/Link%
14786     \ifHy@pdfa /F 4\fi
14787     \Hy@setpdfborder
14788     \ifx\@filebordercolor\relax
14789     \else
14790       /C[\@filebordercolor]%
14791     \fi
14792     /A<<%
14793       /S/GoToR%
14794       /F(\Hy@pstringF)%
14795       /D%
14796       \ifx\#3\%
14797         [\Hy@href@page\@pdfremotestartview]%
14798       \else
14799         (\Hy@pstringD)%
14800       \fi
14801       \Hy@SetNewWindow
14802       \Hy@href@nextactionraw
14803     >>%
14804   >>%
14805 }%
14806 \Hy@colorlink\@filecolor
14807 }%
14808 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
14809 \Hy@endAnnot
14810 }
14811 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
14812 \leavevmode
14813 \Hy@BeginAnnot{%
14814   \Hy@pstringdef\Hy@pstringF{#1}%
14815   \Hy@pstringdef\Hy@pstringP{#3}%
14816   \@pdfm@mark{%
14817     bann<<%
14818       /Type/Annot%
14819       /Subtype/Link%
14820       \ifHy@pdfa /F 4\fi
14821       \Hy@setpdfborder
14822       \ifx\@runbordercolor\relax
14823       \else
14824         /C[\@runbordercolor]%
14825       \fi
14826       /A<<%
14827         /F(\Hy@pstringF)%
14828         /S/Launch%
14829         \Hy@SetNewWindow
14830         \ifx\#3\%
14831         \else
14832           /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%

```



```

14833         \fi
14834         \Hy@href@nextactionraw
14835         >>%
14836     >>%
14837 }%
14838 \Hy@colorlink\@runcolor
14839 }%
14840 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
14841 \Hy@EndAnnot
14842 }
14843 \def\hyper@linkurl#1#2{%
14844     \leavevmode
14845     \Hy@BeginAnnot{%
14846         \Hy@pstringdef\Hy@pstringURI{#2}%
14847         \@pdfm@mark{%
14848             bann<<%
14849             /Type/Annot%
14850             /Subtype/Link%
14851             \ifHy@pdfa /F 4\fi
14852             \Hy@setpdfborder
14853             \ifx\@urlbordercolor\relax
14854             \else
14855                 /C[\@urlbordercolor]%
14856             \fi
14857             /A<<%
14858             /S/URI%
14859             /URI(\Hy@pstringURI)%
14860             \ifHy@href@ismap
14861                 /IsMap true%
14862             \fi
14863             \Hy@href@nextactionraw
14864             >>%
14865         >>%
14866     }%
14867     \Hy@colorlink\@urlcolor
14868 }%
14869 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
14870 \Hy@EndAnnot
14871 }
14872 \def\Acrobatmenu#1#2{%
14873     \Hy@Acrobatmenu{#1}{#2}%
14874     \Hy@BeginAnnot{%
14875         \EdefEscapeName\Hy@temp@menu{#1}%
14876         \@pdfm@mark{%
14877             bann<<%
14878             /Type/Annot%
14879             /Subtype/Link%
14880             \ifHy@pdfa /F 4\fi
14881             \Hy@setpdfborder
14882             \ifx\@menubordercolor\relax
14883             \else
14884                 /C[\@menubordercolor]%
14885             \fi
14886             /A<<%

```



```

14887         /S/Named%
14888         /N/\Hy@temp@menu
14889         \Hy@href@nextactionraw
14890         >>%
14891         >>%
14892     }%
14893     \Hy@colorlink\@menucolor
14894 }%
14895 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
14896 \Hy@endAnnot
14897 }%
14898 }
14899 \def\hyper@natlinkstart#1{%
14900     \Hy@backout{#1}%
14901     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
14902     \def\hyper@nat@current{#1}%
14903 }
14904 \def\hyper@natlinkend{%
14905     \if@RTL\endR\fi\hyper@linkend
14906 }
14907 \def\hyper@natlinkbreak#1#2{%
14908     \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
14909 }%
14910 }
14911 \pdfstringdefDisableCommands{%
14912     \let\LRE\@firstofone
14913     \let\LR\@firstofone
14914     \let\RLE\@firstofone
14915     \let\RL\@firstofone
14916     \def\XeTeX{XeTeX}%
14917     \def\XeLaTeX{XeLaTeX}%
14918 }
14919 \ifpackageloaded{longtable}{%
14920     \begingroup
14921         \def\y{\LT@array}%
14922         \ifundefined{scr@LT@array}{%
14923             \@ifundefined{adl@LT@array}{%{\def\y{\adl@LT@array}}}%
14924             {%\def\y{\scr@LT@array}}}%
14925         \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
14926             \expandafter\endgroup
14927             \expandafter\def\y[##1]##2{%
14928                 \H@refstepcounter{#1}%
14929                 \hyper@makecurrent{table}%
14930                 \let\Hy@LT@currentHref\@currentHref
14931                 #2\@sharp####4%
14932             }%
14933         }%
14934         \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
14935     \begingroup
14936         \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
14937             \endgroup
14938             \def\LT@start{%
14939                 #1%
14940                 \ifvoid\LT@foot#2\fi

```



```

14941      \let\@currentHref\Hy@LT@currentHref
14942      \Hy@raisedlink{%
14943        \hyper@anchorstart{\@currentHref}\hyper@anchorend
14944      }%
14945      #3%
14946    }%
14947  }%
14948  \expandafter\x\LT@start\@nil
14949 }{}
14950 \bidi@patchcmd\@TextField{%
14951   \@pdfm@mark
14952 }{}%
14953   \if@RTL
14954     \hskip\Fld@width
14955   \fi
14956   \@pdfm@mark
14957 }{}{}
14958 \bidi@patchcmd\@TextField{%
14959   \unhbox
14960 }{}%
14961   \if@RTL
14962     \hskip-\Fld@width
14963   \fi
14964   \unhbox
14965 }{}{}
14966 \bidi@patchcmd\@@Radio{%
14967   \@pdfm@mark
14968 }{}%
14969   \if@RTL
14970     \hskip\Fld@width
14971   \fi
14972   \@pdfm@mark
14973 }{}{}
14974 \bidi@patchcmd\@@Radio{%
14975   \unhcopy
14976 }{}%
14977   \if@RTL
14978     \hskip-\Fld@width
14979   \fi
14980   \unhcopy
14981 }{}{}
14982 \bidi@patchcmd\@Submit{%
14983   \@pdfm@mark
14984 }{}%
14985   \if@RTL
14986     \null
14987     \hskip\wd\pdfm@box
14988   \fi
14989   \@pdfm@mark
14990 }{}{}
14991 \bidi@patchcmd\@Submit{%
14992   \unhbox
14993 }{}%
14994   \if@RTL

```




```

14995 \hskip-\wd\pdfm@box
14996 \fi
14997 \unhbox
14998 }{}{}
14999 \bidi@patchcmd\@Reset{%
15000 \@pdfm@mark
15001 }{%
15002 \if@RTL
15003 \null
15004 \hskip\wd\pdfm@box
15005 \fi
15006 \@pdfm@mark
15007 }{}{}
15008 \bidi@patchcmd\@Reset{%
15009 \unhbox
15010 }{%
15011 \if@RTL
15012 \hskip-\wd\pdfm@box
15013 \fi
15014 \unhbox
15015 }{}{}

```

96 File imspdoc-xetex-bidi.def

```

15016 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class for
15017 \newenvironment{thebibliography}[1]{%
15018 \@bibtitlestyle
15019 \normalfont\bibliofont\labelsep .5em\relax
15020 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
15021 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15022 \bidi@@thebibliography@font@hook
15023 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
15024 \leftmargin\labelwidth \advance\leftmargin\labelsep
15025 \usecounter{enumiv}}%
15026 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
15027 \sfcode`\.=\@m
15028 }{%
15029 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
15030 \endlist
15031 }
15032
15033 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
15034 \columnseprule\z@ \columnsep 35\p@
15035 \@indextitlestyle
15036 \thispagestyle{plain}%
15037 \let\item\@idxitem
15038 \parindent\z@ \parskip\z@\@plus.3\p@\relax
15039 \if@RTL\raggedleft\else\raggedright\fi
15040 \hyphenpenalty\@M
15041 \footnotesize}
15042 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
15043 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
15044 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
15045

```



```

15046 \def\right@footnoterule{%
15047   \kern-.4\p@
15048   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
15049   \kern11\p@\kern-\footnotesep}
15050 \def\left@footnoterule{\kern-.4\p@
15051   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
15052 \def\@makefnmark{%
15053   \leavevmode
15054   \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
15055 }
15056
15057 \def\part{\@startsection{part}{0}%
15058   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
15059   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
15060 \def\@tocline#1#2#3#4#5#6#7{\relax
15061   \ifnum #1>\c@tocdepth % then omit
15062   \else
15063     \par \addpenalty\@secpenalty\addvspace{#2}%
15064     \begingroup \hyphenpenalty\@M
15065     \@ifempty{#4}{%
15066       \@tempdima\csname r@tocindent\number#1\endcsname\relax
15067     }{%
15068       \@tempdima#4\relax
15069     }%
15070     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\
15071     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
15072     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15073     \hfil\hbox to \@pnumwidth{\@tocpagenum{#7}}\par
15074     \nobreak
15075     \endgroup
15076   \fi}
15077 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
15078 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
15079 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
15080 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
15081 \def\maketitle{\par
15082   \@topnum\z@ % this prevents figures from falling at the top of page 1
15083   \@setcopyright
15084   \thispagestyle{firstpage}% this sets first page specifications
15085   \uppercasenonmath\shorttitle
15086   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
15087   \else \andify\shortauthors
15088   \fi
15089   \@maketitle@hook
15090   \begingroup
15091   \@maketitle
15092   \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
15093   \toks4{\def\{\ignorespaces}}% defend against questionable usage
15094   \edef\@tempa{%
15095     \nx\markboth{\the\toks4
15096       \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
15097   \@tempa
15098   \endgroup
15099   \c@footnote\z@

```



```

15100 \@cleartopmattertags
15101 }

```

97 File leqno-xetex-bidi.def

```

15102 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
15103 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
15104 \rlap{\hskip -\displaywidth
15105 \normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}

```

98 File letter-xetex-bidi.def

```

15106 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
15107 \renewcommand*\@opening[1]{\ifx\@empty\fromaddress
15108 \thispagestyle{firstpage}%
15109 \if@RTL\raggedright\else\raggedleft\fi\@date\par}%
15110 \else % home address
15111 \thispagestyle{empty}%
15112 \if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
15113 \fromaddress \*[2\parskip]%
15114 \@date \end{tabular}\par}%
15115 \fi
15116 \vspace{2\parskip}%
15117 \if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
15118 \vspace{2\parskip}%
15119 #1\par\nobreak}
15120 \renewcommand\left@footnoterule{%
15121 \kern-\p@
15122 \hrule \@width .4\columnwidth
15123 \kern .6\p@}
15124 \renewcommand\right@footnoterule{%
15125 \kern-\p@
15126 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
15127 \kern .6\p@}

```

99 File lettrine-xetex-bidi.def

```

15128 \ProvidesFile{lettrine-xetex-bidi.def}[2019/05/01 v0.7 bidi adaptations for lettrine package]
15129 \def\@lettrine[#1]#2#3{%
15130 \def\l@initial{#2}\let\l@refstring\l@initial
15131 \setcounter{L@lines}{\value{DefaultLines}}%
15132 \setcounter{L@depth}{\value{DefaultDepth}}%
15133 \renewcommand*\L@hang{\DefaultLhang}%
15134 \renewcommand*\L@oversize{\DefaultLoversize}%
15135 \renewcommand*\L@raise{\DefaultLraise}%
15136 \renewcommand*\L@ante{}%
15137 \setlength{\L@Findent}{\DefaultFindent}%
15138 \setlength{\L@Nindent}{\DefaultNindent}%
15139 \setlength{\L@slope}{\DefaultSlope}%
15140 \setlength{\L@novskip}{\DiscardVskip}%
15141 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
15142 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
15143 \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
15144 \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi

```



```

15145 \setkeys{L}{#1}%
15146 \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
15147 \ifL@realh
15148   \def\@tempa{#3}%
15149   \ifx\@tempa\@empty
15150     \PackageWarning{lettrine.sty}%
15151       {Empty second argument, \MessageBreak
15152         ignoring option `realheight'};%
15153   \else
15154     \sbox{\L@tbox}{\LettrineTextFont{#3}}%
15155   \fi
15156 \fi
15157 \if\DefaultOptionsFile\relax
15158 \else
15159   \begingroup
15160   \InputIfFileExists{\DefaultOptionsFile}%
15161     {}%
15162     {\PackageWarning{lettrine.sty}%
15163       {File \DefaultOptionsFile\space not found}}%
15164  }%
15165   \def\color##1##{\l@color{##1}}%
15166   \let\l@color\@gobbletwo
15167   \def\textcolor##1##{\l@textcolor{##1}}%
15168   \def\l@textcolor##1##2##3{##3}%
15169   \expandafter\ifx\csname l@#2-keys\endcsname\relax
15170     \gdef\l@LOKeys{}%
15171   \else
15172     \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
15173   \fi
15174 \endgroup
15175 \def\KV@prefix{KV@L@}%
15176 \let\@tempc\relax
15177 \expandafter\KV@do\l@LOKeys,\relax,
15178 \setupL@lbox
15179 \setlength{\LettrineWidth}{\wd\L@lbox}%
15180 \def\KV@prefix{KV@L@}%
15181 \let\@tempc\relax
15182 \expandafter\KV@do\l@LOKeys,\relax,
15183 \setkeys{L}{#1}%
15184 \fi
15185 \setupL@lbox
15186 \setlength{\LettrineWidth}{\wd\L@lbox}%
15187 \setlength{\LettrineHeight}{\ht\L@lbox}%
15188 \setlength{\LettrineDepth}{\dp\L@lbox}%
15189 \begingroup
15190 \def\IeC##1{##1}%
15191 \@tempdima=L@oversize pt\relax
15192 \PackageInfo{lettrine.sty}%
15193   {Targeted height = \the\L@target@tth\MessageBreak
15194     (no accent, loversize=0),\MessageBreak
15195     Lettrine height = \the\LettrineHeight\space (#2)%
15196     \ifdim\@tempdima=z@\else\space loversize=L@oversize\fi;%
15197     \MessageBreak reported}%
15198 \endgroup

```



```

15199 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
15200 \setlength{\L@first}{\LettrineHeight}%
15201 \setlength{\L@lraise}{\L@raise\L@target@ttht}%
15202 \addtolength{\L@first}{\L@lraise}%
15203 \ifnum\value{L@lines}=1
15204   \addtolength{\L@first}{-\ht\L@tbox}%
15205 \else
15206   \addtolength{\L@first}{-\L@target@ttht}%
15207   \addtolength{\L@lraise}{-\L@target@dp}%
15208 \fi
15209 \par
15210 \ifdim\L@first>\L@novskip
15211   \ifL@grid
15212     \@tempdima=\baselineskip
15213     \@tempdimb=\@tempdima
15214     \advance\@tempdimb by \L@novskip
15215     \@tempcnta=1
15216     \loop\ifdim\L@first>\@tempdimb
15217       \advance\@tempcnta by 1
15218       \advance\L@first by -\@tempdima
15219     \repeat
15220     \L@first=\@tempcnta\baselineskip
15221   \fi
15222   \vskip\L@first
15223 \fi
15224 \setlength{\L@Pindent}{\wd\L@lbox}%
15225 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
15226 \settowidth{\L@first}{\L@ante}%
15227 \addtolength{\L@Pindent}{\L@first}%
15228 \addtolength{\L@Pindent}{\L@Findent}%
15229 \setlength{\L@first}{\linewidth}%
15230 \addtolength{\L@first}{-\L@Pindent}%
15231 \addtolength{\L@Nindent}{\L@Pindent}%
15232 \setlength{\L@next}{\linewidth}%
15233 \addtolength{\L@next}{-\L@Nindent}%
15234 \addtolength{\L@Pindent}{\@totalleftmargin}%
15235 \addtolength{\L@Nindent}{\@totalleftmargin}%
15236 \addtocounter{L@lines}{1}%
15237 \addtocounter{L@lines}{\value{L@depth}}%
15238 \if@RTL
15239   \def\L@parshape{\c@L@lines \z@ \the\L@first}%
15240 \else
15241   \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
15242 \fi
15243 \@tempcnta=\tw@
15244 \@whilenum \@tempcnta<\c@L@lines\do{%
15245   \if@RTL
15246     \edef\L@parshape{\L@parshape \z@ \the\L@next}%
15247   \else
15248     \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
15249   \fi
15250   \addtolength{\L@Nindent}{\L@slope}%
15251   \addtolength{\L@next}{-\L@slope}%
15252   \advance\@tempcnta\@ne}%

```



```

15253 \if@RTL
15254 \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
15255 \else
15256 \edef\L@parshape{\L@parshape \@totalleftmargin \the\linewidth}%
15257 \fi
15258 \noindent
15259 \parshape=\L@parshape\relax
15260 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
15261 \hskip \the\L@Findent}}%
15262 \usebox{\L@tbox}%
15263 \ifnum\@listdepth>0 \Lreset@listparshape \fi
15264 }

```

100 File lineno-xetex-bidi.def

```

15265 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for
15266 \bidi@patchcmd{\MakeLineNo}{%
15267 \hb@xt@\z@{\makeLineNumber}%
15268 }{%
15269 \hboxL to \z@{\makeLineNumber}%
15270 }{}{}
15271
15272 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
15273 \if@RTL
15274 \hb@xt@\linewidthwidth{\LineNumber\hss}%
15275 \else
15276 \LineNumber
15277 \fi
15278 }{}{}
15279
15280 \bidi@patchcmd{\makeLineNumberRight}{%
15281 \hb@xt@\linewidthwidth{\hss\LineNumber}%
15282 }{%
15283 \if@RTL
15284 \LineNumber
15285 \else
15286 \hb@xt@\linewidthwidth{\hss\LineNumber}%
15287 \fi
15288 }{}{}
15289
15290 \bidi@AfterPreamble{%
15291 \if@RTLmain
15292 \rightlinenumbers*
15293 \else
15294 \leftlinenumbers*
15295 \fi
15296 \@ifpackagewith{lineno}{left}{%
15297 \leftlinenumbers*
15298 }{}
15299 \@ifpackagewith{lineno}{right}{%
15300 \rightlinenumbers*
15301 }{}
15302 }
15303

```



101 File listings-xetex-bidi.def

```
15304 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
15305 \lst@Key{captiondirection}{textdirection}{%
15306   \lstKV@SwitchCases{#1}%
15307   {textdirection:\\%
15308     RTL:\chardef\bidi@lst@caption@direction\@ne\\%
15309     LTR:\chardef\bidi@lst@caption@direction\z@%
15310   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
15311
15312 \lst@Key{captionscript}{textscript}{%
15313   \lstKV@SwitchCases{#1}%
15314   {textscript:\\%
15315     latin:\chardef\bidi@lst@caption@script\@ne\\%
15316     nonlatin:\chardef\bidi@lst@caption@script\z@%
15317   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
15318
15319 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
15320   \@ifundefined{bidi@lst@caption@direction}{-}{%
15321     \ifnum\bidi@lst@caption@direction=\z@%
15322       #1%
15323     \else%
15324       \ifnum\bidi@lst@caption@direction=\@ne%
15325         #2%
15326       \fi%
15327     \fi%
15328   }}
15329
15330 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
15331   \@ifundefined{bidi@lst@caption@script}{-}{%
15332     \ifnum\bidi@lst@caption@script=\z@%
15333       #1%
15334     \else%
15335       \ifnum\bidi@lst@caption@script=\@ne%
15336         #2%
15337       \fi%
15338     \fi%
15339   }}
15340
15341 \long\def\@bidi@lst@makecaption#1#2{%
15342   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
15343   \vskip\abovcaptionskip
15344   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
15345   \sbox\@tempboxa{%
15346     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
15347     #1: #2%
15348     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
15349   }%
15350   \ifdim \wd\@tempboxa >\hsize
15351     #1: #2\par
15352   \else
15353     \global \@minipagefalse
15354     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
15355   \fi
```



```

15356 \vskip\belowcaptionskip}%
15357 \def\lst@makecaption{\@bidi@lst@makecaption}
15358 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
15359 \bidi@AtEndPreamble{%
15360 \bidi@patchcmd{\lst@MakeCaption}{%
15361 \ifx #1t%
15362 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
15363 \expandafter\refstepcounter
15364 \fi {lstlisting}%
15365 }{%
15366 \ifx #1t%
15367 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
15368 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
15369 \expandafter\refstepcounter
15370 \fi {lstlisting}%
15371 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
15372 }{}{}%
15373 \bidi@patchcmd{\lst@MakeCaption}{%
15374 \addcontentsline{lol}{lstlisting}%
15375 {\protect\numberline{\thelstlisting}\lst@@caption}%
15376 }{%
15377 \begingroup%
15378 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
15379 \addcontentsline{lol}{lstlisting}%
15380 {\protect\numberline{\thelstlisting}\lst@@caption}%
15381 \endgroup%
15382 }{}{}%
15383 }
15384 \@ifpackageloaded{caption}{%
15385 \AtBeginCaption{%
15386 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
15387 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
15388 }
15389 \let\@bidi@lst@makecaption\caption@makecaption%
15390 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
15391 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
15392 }{%
15393 \AtBeginDocument{%
15394 \@ifundefined{captionlabelfalse}{}%
15395 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
15396 \@ifundefined{caption@startrue}{}%
15397 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
15398 }%
15399 }
15400 \AtBeginDocument{
15401 \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{%
15402 \lst@ifnumberbychapter
15403 \gdef\thelstlisting%
15404 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
15405 \else
15406 \gdef\thelstlisting{\@arabic\c@lstlisting}
15407 \fi}

```



102 File loadingorder-xetex-bidi.def

```
15408 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the las
15409 \bidi@isloaded{amsmath}
15410 \bidi@isloaded{amstext}
15411 \bidi@isloaded{amsthm}
15412 \bidi@isloaded{animate}
15413 \bidi@isloaded{breqn}
15414 \bidi@isloaded{cals}
15415 \bidi@isloaded{caption}
15416 \bidi@isloaded{crop}
15417 \bidi@isloaded{cuted}
15418 \bidi@isloaded{cutwin}
15419 \bidi@isloaded{color}
15420 \bidi@isloaded{dblfnote}
15421 \bidi@isloaded{diagbox}
15422 \bidi@isloaded{xcolor}
15423 \bidi@isloaded{colortbl}
15424 \bidi@isloaded{float}
15425 \bidi@isloaded{floatrow}
15426 \bidi@isloaded{flowfram}
15427 \bidi@isloaded{framed}
15428 \bidi@isloaded{ftnright}
15429 \bidi@isloaded{xltextra}
15430 \bidi@isloaded{xunicode}
15431 \bidi@isloaded{wrapfig}
15432 \bidi@isloaded{graphicx}
15433 \bidi@isloaded{geometry}
15434 \bidi@isloaded{hvfloat}
15435 \bidi@isloaded{mdframed}
15436 \bidi@isloaded{midfloat}
15437 \bidi@isloaded{ntheorem}
15438 \bidi@isloaded{ntheorem-hyper}
15439 \bidi@isloaded{hyperref}
15440 \bidi@isloaded{fancybox}
15441 \bidi@isloaded{fancyhdr}
15442 \bidi@isloaded{fix2col}
15443 \bidi@isloaded{draftwatermark}
15444 \bidi@isloaded{empheq}
15445 \bidi@isloaded{overpic}
15446 \bidi@isloaded{pdfpages}
15447 \bidi@isloaded{listings}
15448 \bidi@isloaded{lettrine}
15449 \bidi@isloaded{lineno}
15450 \bidi@isloaded{media9}
15451 \bidi@isloaded{pstricks}
15452 \bidi@isloaded{pgf}
15453 \bidi@isloaded{picinpar}
15454 \bidi@isloaded{quotchap}
15455 \bidi@isloaded{tikz}
15456 \bidi@isloaded{titlesec}
15457 \bidi@isloaded{titletoc}
15458 \bidi@isloaded{array}
15459 \bidi@isloaded{soul}
```



```

15460 \bidi@isloaded{stabular}
15461 \bidi@isloaded{subfig}
15462 \bidi@isloaded{subfigure}
15463 \bidi@isloaded{supertabular}
15464 \bidi@isloaded{xtab}
15465 \bidi@isloaded{longtable}
15466 \bidi@isloaded{arydshln}
15467 \bidi@isloaded{multicol}
15468 \bidi@isloaded{multienum}
15469 \bidi@isloaded{minitoc}
15470 \bidi@isloaded{natbib}
15471 \bidi@isloaded{newfloat}
15472 \bidi@isloaded{ragged2e}
15473 \bidi@isloaded{rotating}
15474 \bidi@isloaded{tabls}
15475 \bidi@isloaded{tabulary}
15476 \bidi@isloaded{tocbasic}
15477 \bidi@isloaded{tocstyle}
15478 \bidi@isloaded{tocbibind}
15479 \bidi@isloaded{fontspec}
15480 \bidi@isloaded{arabxetex}
15481 \bidi@isloaded{polyglossia}
15482 \bidi@isloaded{fancyvrb}
15483 \AtBeginDocument{
15484   \if@bidi@amsmathloaded@ \else
15485     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi packa
15486   \fi%
15487   \if@bidi@amstextloaded@ \else
15488     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi packa
15489   \fi%
15490   \if@bidi@amsthmloaded@ \else
15491     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packa
15492   \fi%
15493   \if@bidi@animateloaded@ \else
15494     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi packa
15495   \fi%
15496   \if@bidi@breqnloaded@ \else
15497     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packag
15498   \fi%
15499   \if@bidi@calsloaded@ \else
15500     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package
15501   \fi%
15502   \if@bidi@captionloaded@ \else
15503     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi pack
15504   \fi%
15505   \if@bidi@croplloaded@ \else
15506     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package
15507   \fi%
15508   \if@bidi@colorloaded@ \else
15509     \@ifpackageloaded{hyperref}{\}%
15510     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packag
15511   \fi%
15512   \if@bidi@cutwinloaded@ \else
15513     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packa

```



```

15514 \fi%
15515   \if@bidi@cutedloaded@else
15516     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packag
15517 \fi%
15518   \if@bidi@dblfnloaded@else
15519     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pac
15520 \fi%
15521   \if@bidi@diagboxloaded@else
15522     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pack
15523 \fi%
15524   \if@bidi@xcolorloaded@else
15525     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packa
15526 \fi%
15527   \if@bidi@colortblloaded@else
15528     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pac
15529 \fi%
15530   \if@bidi@floatloaded@else
15531     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packag
15532 \fi%
15533   \if@bidi@floatrowloaded@else
15534     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pac
15535 \fi%
15536   \if@bidi@flowframloaded@else
15537     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pac
15538 \fi%
15539   \if@bidi@framedloaded@else
15540     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packa
15541 \fi%
15542   \if@bidi@ftnrightloaded@else
15543     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pac
15544 \fi%
15545   \if@bidi@xltxtraloaded@else
15546     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi pack
15547 \fi%
15548   \if@bidi@xunicodeloaded@else
15549     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pac
15550 \fi%
15551   \if@bidi@wrapfigloaded@else
15552     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pack
15553 \fi%
15554   \if@bidi@graphicxloaded@else
15555     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pac
15556 \fi%
15557   \if@bidi@geometryloaded@else
15558     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pac
15559 \fi%
15560   \if@bidi@hvfloatloaded@else
15561     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pack
15562 \fi%
15563   \if@bidi@mdframedloaded@else
15564     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pac
15565 \fi%
15566   \if@bidi@midfloatloaded@else
15567     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pac

```



```

15568 \fi%
15569 \if@bidi@ntheoremloaded@else
15570 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pac
15571 \fi%
15572 \if@bidi@hyperrefloaded@else
15573 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pac
15574 \fi%
15575 \if@bidi@fancyboxloaded@else
15576 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pac
15577 \fi%
15578 \if@bidi@fancyhdrloaded@else
15579 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pac
15580 \fi%
15581 \if@bidi@draftwatermarkloaded@else
15582 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bi
15583 \fi%
15584 \if@bidi@empheqloaded@else
15585 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packa
15586 \fi%
15587 \if@bidi@overpicloaded@else
15588 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pack
15589 \fi%
15590 \if@bidi@pdfpagesloaded@else
15591 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pac
15592 \fi%
15593 \if@bidi@lettrineloaded@else
15594 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pac
15595 \fi%
15596 \if@bidi@linenoloaded@else
15597 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packa
15598 \fi%
15599 \if@bidi@listingsloaded@else
15600 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pac
15601 \fi%
15602 \csname if@bidi@media9loaded@endcsname\else
15603 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packa
15604 \fi%
15605 \if@bidi@pstricksloaded@else
15606 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pac
15607 \fi%
15608 \if@bidi@pgfloaded@else
15609 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
15610 \fi%
15611 \if@bidi@picinparloaded@else
15612 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pac
15613 \fi%
15614 \if@bidi@quotchaploaded@else
15615 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pac
15616 \fi%
15617 \if@bidi@tikzloaded@else
15618 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package
15619 \fi%
15620 \if@bidi@titlesecloaded@else
15621 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pac

```



```

15622 \fi%
15623 \if@bidi@titletocloaded@else
15624     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pac
15625 \fi%
15626 \if@bidi@arrayloaded@else
15627     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packag
15628 \fi%
15629 \if@bidi@stabularloaded@else
15630     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pac
15631 \fi%
15632 \if@bidi@soulloaded@else
15633     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package
15634 \fi%
15635 \if@bidi@subfigloaded@else
15636     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packa
15637 \fi%
15638 \if@bidi@subfigureloaded@else
15639     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pa
15640 \fi%
15641 \if@bidi@supertabularloaded@else
15642     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi
15643 \fi%
15644 \if@bidi@xtabloaded@else
15645     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package
15646 \fi%
15647 \if@bidi@longtableloaded@else
15648     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pa
15649 \fi%
15650 \if@bidi@arydshnloaded@else
15651     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi pac
15652 \fi%
15653 \if@bidi@multicolloaded@else
15654     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pac
15655 \fi%
15656 \if@bidi@multienumloaded@else
15657     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pa
15658 \fi%
15659 \if@bidi@minitocloaded@else
15660     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi pack
15661 \fi%
15662 \if@bidi@natbibloaded@else
15663     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packa
15664 \fi%
15665 \if@bidi@newfloatloaded@else
15666     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pac
15667 \fi%
15668 \csname if@bidi@ragged2eloaded@endcsname\else
15669     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pac
15670 \fi%
15671 \if@bidi@rotatingloaded@else
15672     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pac
15673 \fi%
15674 \if@bidi@tblsloaded@else
15675     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi packag

```



```

15676 \fi%
15677 \if@bidi@tabularyloaded@%else
15678 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pac
15679 \fi%
15680 \if@bidi@tocbasicloaded@%else
15681 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pac
15682 \fi%
15683 \if@bidi@tocstyleloaded@%else
15684 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi pac
15685 \fi%
15686 \if@bidi@tocbibindloaded@%else
15687 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pa
15688 \fi%
15689 \if@bidi@fontspecloaded@%else
15690 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pac
15691 \fi%
15692 \if@bidi@arabxetexloaded@%else
15693 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pa
15694 \fi%
15695 \if@bidi@polyglossialoaded@%else
15696 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
15697 \fi%
15698 \if@bidi@fancyvrbloaded@%else
15699 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pac
15700 \fi%
15701 }

```

103 File longtable-xetex-bidi.def

```

15702 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable packa
15703 \def\LT@array[#1]#2{%
15704 \refstepcounter{table}\stepcounter{LT@tables}%
15705 \if l#1%
15706 \if@RTLtab\LTleft\fill \LTright\z@%else\LTleft\z@ \LTright\fill\fi
15707 \else\if r#1%
15708 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
15709 \else\if c#1%
15710 \LTleft\fill \LTright\fill
15711 \fi\fi\fi
15712 \let\LT@mc\multicolumn
15713 \let\LT@tabarray\@tabarray
15714 \let\LT@hline\hline
15715 \def\@tabarray{%
15716 \let\hline\LT@hline
15717 \LT@tabarray}%
15718 \let\LT@tabularcr\let\tabularnewline\%
15719 \def\newpage{\noalign{\break}}%
15720 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
15721 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
15722 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
15723 \@tempdima\ht\strutbox
15724 \let\@endpbox\LT@endpbox
15725 \ifx\extrarowheight\@undefined
15726 \let\@acol\@tabacol

```



```

15727 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
15728 \def\@startpbox{\vtop\LT@startpbox}%
15729 \let\@@startpbox\@startpbox
15730 \let\@@endpbox\@endpbox
15731 \let\LT@LL@FM@cr\@tabularcr
15732 \else
15733 \advance\@tempdima\extrarowheight
15734 \col@sep\@tabcolsep
15735 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
15736 \fi
15737 \setbox\@arstrutbox\hbox{\vrule
15738 \@height \arraystretch \@tempdima
15739 \@depth \arraystretch \dp \strutbox
15740 \@width \z@}%
15741 \let\@sharp##\let\protect\relax
15742 \beginingroup
15743 \mkpream{#2}%
15744 \xdef\LT@bchunk{%
15745 \global\advance\c@LT@chunks\@ne
15746 \global\LT@rows\z@\setbox\z@\vbox\bgroup
15747 \LT@setprevdepth
15748 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
15749 \tabskip\z@ \@arstrut \preamble \tabskip\LTright \cr}%
15750 \endgroup
15751 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
15752 \LT@make@row
15753 \m@th\let\par\@empty
15754 \everycr{}\lineskip\z@\baselineskip\z@
15755 \LT@bchunk}
15756 \def\LT@makecaption#1#2#3{%
15757 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
15758 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
15759 \ifdim\wd\@tempboxa>\hsize
15760 #1{#2: }#3%
15761 \else
15762 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
15763 \fi
15764 \endgraf\vskip\baselineskip}%
15765 \hss}}}
15766 \ifpackageloaded{caption}{%
15767 \renewcommand\LT@makecaption[3]{%
15768 \caption@LT@make{%
15769 \caption@LT@settype\LTcaptype
15770 \caption@LT@setup
15771 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
15772 \caption@startrue#1\caption@starfalse
15773 \caption@prepare@stepcounter\LTcaptype
15774 \caption@begin\LTcaptype
15775 \caption@normalsize
15776 \vskip-\ht\strutbox
15777 \caption@ifdefined\FBifcapttop{%
15778 \let\caption@belowskip\@empty}{}%
15779 \caption@make@above
15780 \caption@@make{#2}{#3}\endgraf

```



```

15781         \caption@make@below
15782         \caption@end}}%
15783 }{}
15784 \def\LT@startpbox#1{%
15785   \bgroup\color@begingroup
15786   \let\@footnotetext\LT@p@ftntext
15787   \let\@LTRfootnotetext\LT@p@LTRftntext
15788   \let\@RTLfootnotetext\LT@p@RTLftntext
15789   \setlength\hsize{#1}%
15790   \@arrayparboxrestore
15791   \vrule \@height \ht\@arstrutbox \@width \z@}
15792 \def\LT@p@LTRftntext#1{%
15793   \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
15794   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
15795 \def\LT@p@RTLftntext#1{%
15796   \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
15797   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
15798
15799
15800 \def\LT@output{%
15801   \ifnum\outputpenalty <-\@Mi
15802     \ifnum\outputpenalty > -\LT@end@pen
15803       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
15804     \else
15805       \setbox\z@\vbox{\unvbox\@cclv}%
15806       \ifdim \ht\LT@lastfoot>\ht\LT@foot
15807         \dimen@\pagegoal
15808         \advance\dimen@-\ht\LT@lastfoot
15809         \ifdim\dimen@<\ht\z@
15810           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
15811           \@makecol
15812           \@outputpage
15813           \setbox\z@\vbox{\box\LT@head}%
15814         \fi
15815       \fi
15816       \global\@colroom\@colht
15817       \global\vsizel\@colht
15818       \vbox
15819         {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@fo
15820       \fi
15821     \else
15822       \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@fo
15823       \@makecol
15824       \@outputpage
15825       \global\vsizel\@colroom
15826       \copy\LT@head\nobreak
15827     \fi}

```

104 File `lscapexetex-bidi.def`

```

15828 \ProvidesFile{lscapexetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for lscapex package for
15829 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
15830   \if@RTL
15831     \rotatebox[origin=br]{-90}{\box\@outputbox}%

```




```

15832 \else
15833 \rotatebox{90}{\box\@outputbox}%
15834 \fi
15835 }{}{}
15836 \g@addto@macro{\landscape}{%
15837 \let\bidil@left@footnoterule\left@footnoterule
15838 \let\bidil@right@footnoterule\right@footnoterule
15839 \def\left@footnoterule{%
15840 \if@RTL
15841 \bidil@right@footnoterule
15842 \else
15843 \bidil@left@footnoterule
15844 \fi
15845 }%
15846 \def\right@footnoterule{%
15847 \if@RTL
15848 \bidil@left@footnoterule
15849 \else
15850 \bidil@right@footnoterule
15851 \fi
15852 }%
15853 }

```

105 File `mathtools-xetex-bidi.def`

```

15854 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools packa
15855 \MHInternalSyntaxOn
15856 \def\MT_define_tagform:nwnn #1[#2]#3#4{
15857 \@namedef{MT_tagform_#1:n}##1
15858 {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4}
15859 }
15860 \renewtagform{default}{\{ }\}
15861 \MHInternalSyntaxOff

```

106 File `mdframed-xetex-bidi.def`

```

15862 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package
15863 \newif\if@bidi@mdf@RTL
15864 \def\mdf@l@rbox#1{%
15865 \mdf@patchamsthm%patch amsthm
15866 \if@RTL\@bidi@mdf@RTLtrue\fi%
15867 \@RTLfalse%
15868 \setbox#1\vbox\bgroup%
15869 \color@begingroup%
15870 \if@bidi@mdf@RTL\@RTLtrue\fi%
15871 \mdf@horizontalmargin@equation%
15872 \columnwidth=\hsize%
15873 \textwidth=\hsize%
15874 \let\if@nobreak\iffalse%
15875 \let\if@noskipsec\iffalse%
15876 \let\par\@par%
15877 \let\-\@dischph%
15878 \let'\@acci\let\`@accii\let\=\@acciii%
15879 \parindent\z@ \parskip\z@skip%

```



```

15880 \linewidth\hsize%
15881 \@totalleftmargin\z@%
15882 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
15883 \parfillskip\@flushglue \lineskip\normallineskip%
15884 \baselineskip\normalbaselineskip%
15885 %% \sloppy%
15886 \let\\\@normalcr%
15887 \mdf@par@local%New feature to restore parskip/parindent local in save box
15888 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
15889 \@afterindentfalse%
15890 %\@afterheading%
15891 }
15892 \renewrobustcmd\mdfframedtitleenv[1]{%
15893 \mdf@lrbox{\mdf@frametitlebox}%
15894 \mdf@frametitlealignment%
15895 \leavevmode{\color{\mdf@frametitlefontcolor}%
15896 \normalfont\mdf@frametitlefont{#1}
15897 \ifbool{mdf@ignorelastdescenders}%
15898 {%
15899 \par\strut\par
15900 \unskip\unskip\setbox0=\lastbox
15901 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
15902 }{}}%
15903 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
15904 \endmdf@lrbox\relax%
15905 \mdf@ignorevbadness%
15906 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
15907 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
15908 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
15909 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
15910 \mdfframetitleboxtotalheight=\dimexpr
15911 \ht\mdf@frametitlebox
15912 +\dp\mdf@frametitlebox%
15913 +\mdf@frametitleaboveskip@length
15914 +\mdf@frametitlebelowskip@length
15915 \relax%
15916 }
15917
15918 \renewrobustcmd*\mdf@footnoteoutput{%
15919 \ifvoid\@mpfootins\else%
15920 \nobreak%
15921 \vskip\mdf@footnotedistance@length%
15922 \normalcolor%
15923 \bidi@mpfootnoterule%
15924 \unvbox\@mpfootins%
15925 \fi%
15926 }
15927
15928
15929 \renewrobustcmd*\mdf@footnoteinput{%
15930 \def\@mpfn{mpfootnote}%
15931 \def\thempfn{\thempfootnote}%
15932 \c@mpfootnote\z@%
15933 \let\@footnotetext\@mpfootnotetext%

```



```

15934 \let\LTRfootnotetext\@mpLTRfootnotetext%
15935 \let\RTLfootnotetext\@mpRTLfootnotetext%
15936 }

```

107 File bidi-media9.sty

```

15937 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
15938 {bidi fixes for media9 package for the XeTeX engine}
15939
15940 \keys_define:nn{media9/mbtn}{
15941   draft .code:n = {},
15942   final .code:n = {},
15943
15944   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
15945   tooltip .value_required:n = {true},
15946
15947   overface .code:n = {
15948     \sbox\l_mix_poster_box{
15949       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
15950       \mix_pdfxform:n{\l_mix_poster_box}
15951       \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
15952     },
15953     overface .value_required:n = {true},
15954
15955     downface .code:n = {
15956       \sbox\l_mix_poster_box{
15957         \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
15958         \mix_pdfxform:n{\l_mix_poster_box}
15959         \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
15960       },
15961       downface .value_required:n = {true},
15962
15963       3Dgotoview .code:n = {
15964         \tl_set:Nx\l_tmpa_tl{#1} %extract ref
15965         \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl
15966         \tl_trim_spaces:N\l_tmpa_tl
15967         \tl_if_exist:cTF{ann@\l_tmpa_tl}{
15968           \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
15969             \tl_set:Nx\l_tmpb_tl{#1} %extract idx
15970             \regex_replace_once:nnN{[~:~]+:~}{\1}\l_tmpb_tl
15971             \tl_trim_spaces:N\l_tmpb_tl
15972             \tl_if_blank:VF\l_tmpb_tl{
15973               \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
15974                 \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl
15975               }{
15976                 \regex_match:nVTF{^~d+$}\l_tmpb_tl{
15977                   \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl
15978                 }{
15979                   \regex_replace_once:nnN{^~(\s*)}{\1}\l_tmpb_tl
15980                   \regex_replace_once:nnN{(\s*)$}{\1}\l_tmpb_tl
15981                   \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
15982                 }
15983               }
15984             }

```



```

15985 \mix_pdfobj:nnn(){dict}{
15986 /S/JavaScript/JS~(
15987   if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
15988   if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
15989     annotRM['\l_tmpa_tl']=
15990     this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
15991   }
15992   annotRM['\l_tmpa_tl'].activated=true;
15993 )
15994 \tl_if_blank:VF\l_tmpb_tl{
15995   /Next~<<
15996   /S/GoTo3DView
15997   /TA~\tl_use:c{ann@\l_tmpa_tl}
15998   /V\l_mix_vidx_tl
15999   >>
16000 }
16001 }
16002 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
16003 }
16004 }{
16005   \msg_warning:nxx{media9}{undefined~reference}{\l_tmpa_tl}
16006   \cs_if_exist:NF\g_mix_refundefwarned_tl{
16007     \tl_new:N\g_mix_refundefwarned_tl
16008     \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
16009   }
16010 }
16011 },
16012 3Dgotoview .value_required:n = {true},
16013
16014 mediacommand .code:n = {
16015   \tl_set:Nx\l_tmpa_tl{#1}
16016   \regex_replace_once:nnN{([~:])+}??.*}{\1}\l_tmpa_tl %extract ref
16017   \tl_trim_spaces:N\l_tmpa_tl
16018   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
16019     \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
16020       \tl_set:Nx\l_tmpb_tl{#1}
16021       \regex_replace_once:nnN{[~:]+\~?}{\1}\l_tmpb_tl
16022       \tl_trim_spaces:N\l_tmpb_tl
16023       \regex_replace_all:nnN{^{\|}\$}{\1}\l_tmpb_tl
16024       \tl_set:Nx\l_mix_cmd_tl{
16025         \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
16026       \tl_trim_spaces:N\l_mix_cmd_tl
16027       \tl_set:Nx\l_mix_arg_tl{
16028         \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
16029       \tl_trim_spaces:N\l_mix_arg_tl
16030       \mix_pdfobj:nnn(){dict}{
16031         /S/JavaScript/JS~(
16032           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
16033           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
16034             annotRM['\l_tmpa_tl']=
16035             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
16036           }
16037           annotRM['\l_tmpa_tl'].activated=true;
16038         )

```



```

16039         \tl_if_blank:VF\l_mix_cmd_tl{
16040             /Next~<<
16041             /S/RichMediaExecute
16042             /TA~\tl_use:c{ann@\l_tmpa_tl}
16043             /TI~\tl_use:c{main@\l_tmpa_tl}
16044             /CMD~<<
16045             /C~(\l_mix_cmd_tl)
16046             \tl_if_blank:VF\l_mix_arg_tl{
16047                 /A~[\l_mix_arg_tl]
16048             }
16049             >>
16050             >>
16051         }
16052     }
16053     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
16054 }
16055 ){
16056     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
16057     \cs_if_exist:NF\g_mix_refundefwarned_tl{
16058         \tl_new:N\g_mix_refundefwarned_tl
16059         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
16060     }
16061 }
16062 },
16063 mediacommand .value_required:n = {true},
16064
16065 jsaction .code:n = {
16066     \tl_set:Nx\l_tmpa_tl{#1}
16067     \regex_match:nVTF{^[^{}:]+:.*$}\l_tmpa_tl{
16068         \regex_replace_once:nnN{([{}:]+):??.*}{\1}\l_tmpa_tl %extract ref
16069         \tl_trim_spaces:N\l_tmpa_tl
16070     }\tl_clear:N\l_tmpa_tl}
16071     \tl_set:Nx\l_tmpb_tl{#1}
16072     \tl_if_blank:VF\l_tmpa_tl{
16073         \tl_if_exist:cF{ann@\l_tmpa_tl}{
16074             \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
16075             \cs_if_exist:NF\g_mix_refundefwarned_tl{
16076                 \tl_new:N\g_mix_refundefwarned_tl
16077                 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
16078             }
16079         }
16080         \regex_replace_once:nnN{[{}:]+\:}{\1}\l_tmpb_tl
16081     }
16082     \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
16083     \tl_trim_spaces:N\l_tmpb_tl
16084     \tl_if_blank:VF\l_tmpb_tl{
16085         \mix_pdfobj:nnn{}{dict}{
16086             /S/JavaScript/JS~(
16087                 try{\l_tmpb_tl}catch(e){console.show();console.println(e)})}}
16088     \bool_lazy_and:nnT{
16089         \tl_if_exist_p:c{ann@\l_tmpa_tl}
16090     }{
16091         !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
16092     }{

```



```

16093 \mix_pdfobj:nnn{}{dict}{
16094   /S/JavaScript/JS~(
16095     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
16096     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
16097       annotRM['\l_tmpa_tl']=
16098         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
16099     }
16100     annotRM['\l_tmpa_tl'].activated=true;
16101   )
16102   \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
16103 }
16104 }
16105 \bool_if:nT{
16106   \bool_lazy_and:p:nn{
16107     \tl_if_exist_p:c{ann@\l_tmpa_tl}
16108   }{
16109     !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
16110   }
16111   || !\tl_if_blank_p:V\l_tmpb_tl
16112 }{
16113   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
16114 }
16115 },
16116 jsaction .value_required:n = {true},
16117
16118 unknown .code:n = {
16119   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
16120 }
16121 }
16122
16123 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file
16124 \mix_uriend:
16125 \group_begin:
16126 \mix_beginLTR:
16127 \mode_leave_vertical:
16128 %empty stream as appearance dummy
16129 \cs_if_exist:NF\g_mix_appearance_tl{
16130   \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
16131   \mix_pdfxform:n{\l_mix_poster_box}
16132   \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
16133 }
16134 \mix_reset:
16135 \mix_uribegin: %treat URI characters correctly
16136 \keys_set:nn{media9/user}{#1}
16137 \mix_uriend:
16138 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
16139 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
16140 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
16141 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
16142 \tl_gtrim_spaces:N\g_mix_flashvars_tl
16143
16144 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
16145
16146 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}

```



```

16147 %\hbox_set:Nn\l_mix_poster_box{#2}
16148 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
16149 \mix_scale:n{\l_mix_poster_box}
16150 \bool_if:nTF{
16151   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
16152   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
16153 }{
16154   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
16155 }
16156 \bool_if:NTF\g_mix_usrdraft_bool{
16157   \tl_if_empty:NF\g_mix_usrlabel_tl{
16158     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
16159   }
16160   \tl_if_blank:oTF{#2}{
16161     \mix_uribegin: %treat URI characters correctly
16162     \mix_draftbox:n{\tl_to_str:n{#3}}
16163     \mix_uriend:
16164   }{
16165     \hbox_to_wd:nn{\g_mix_wd_tl}{
16166       \vrule-width~\c_zero_dim-height~\g_mix_ht_tl-depth~\g_mix_dp_tl
16167       \box_use:N\l_mix_poster_box\hss
16168     }
16169   }
16170 }{
16171   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
16172     %attach script that switches off play button overlay upon activation
16173     \mix_pdfobj:nnn{}{stream}{
16174       {}{
16175         var~ocgs=host.getOCGs(host.pageNum);
16176         for(var~i=0;i<ocgs.length;i++){
16177           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
16178             ocgs[i].state=false;
16179           }
16180         }
16181       }
16182     }
16183     \mix_pdfobj:nnn{}{dict}{
16184       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
16185     }
16186     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
16187     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
16188     %enforce plain playbutton overlay for XeTeX
16189     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
16190   }
16191   %embed main asset
16192   \mix_uribegin:
16193   \mix_embedasset:n{#3}
16194   \bool_if:nTF{
16195     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
16196   }{
16197     \bool_gset_true:N\g_mix_iiid_bool
16198     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
16199   }{
16200     \str_case_e:nnF{\l_mix_base_tl}{

```



```

16201     {APlayer}}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
16202     {AudioPlayer}}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
16203     {VPlayer}}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
16204     {VideoPlayer}}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
16205     {StrobeMediaPlayback}}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
16206   }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
16207 }
16208 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
16209 \mix_urien:
16210 %secondary assets (added by addresource)
16211 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
16212 \seq_map_inline:Nn\g_mix_script_seq{
16213   \mix_embedasset:n{##1}
16214   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
16215 }
16216 %attach 3D calculation script
16217 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
16218   \mix_embedasset:n{3Dmenu.js}
16219   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
16220 }
16221 %create 3D views from file (option 3Dviews)
16222 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
16223   \tl_set:Nn\l_mix_level_tl{-1}
16224   \int_zero:N\l_mix_viewcnt_int
16225   \int_zero:N\l_mix_lineno_int
16226
16227   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
16228   \ior_map_inline:Nn\l_mix_vfile_stream{
16229     \int_incr:N\l_mix_lineno_int
16230     \keys_set:nn{media9/views}{##1} %process input line
16231   }
16232   \ior_close:N\l_mix_vfile_stream
16233 }
16234 \bool_if:nT{ %create default 3D view if required
16235   \g_mix_iiid_bool &&
16236   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
16237 }{
16238   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
16239   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
16240   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
16241   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
16242   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
16243   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
16244   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
16245
16246   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
16247   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
16248   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
16249   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
16250
16251   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
16252   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
16253   \tl_clear:N\l_mix_naarray_tl
16254

```




```

16255     \bool_if:NF\l_mix_ciiw_bool{
16256       \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
16257       \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
16258     }
16259
16260     \tl_clear:N\l_mix_naarray_tl
16261     \tl_clear:N\l_mix_saarray_tl
16262     \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
16263
16264     \mix_view:n{Default}
16265     \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
16266
16267   }
16268   \mix_pdfobj:nnn{}{dict}{
16269     /Type/RichMediaInstance
16270     /Subtype/\g_mix_mainassetsub_tl
16271     /Asset~\g_mix_mainasset_tl
16272     \bool_if:NF\g_mix_iiid_bool{
16273       /Params~<<
16274         /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
16275           /Foreground
16276         }{
16277           /Background
16278         }
16279         \tl_if_blank:VF\g_mix_flashvars_tl{
16280           /FlashVars~(\g_mix_flashvars_tl)
16281         }
16282       >>
16283     }
16284   }
16285   \tl_if_empty:NF\g_mix_usrlabel_tl{
16286     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
16287   }
16288   \mix_pdfobj:nnn{}{dict}{
16289     /Type/RichMediaConfiguration
16290     /Subtype/\g_mix_mainassetsub_tl
16291     /Instances~[\mix_pdflastobj:]
16292   }
16293   \mix_pdfobj:nnn{}{dict}{
16294     /Type/RichMediaContent
16295     /Assets~<</Names~[\g_mix_assets_tl]>>
16296     /Configurations~[\mix_pdflastobj:]
16297     \bool_if:nT{
16298       \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
16299     }{
16300       /Views~[\l_mix_iiidviewarray_tl]
16301     }
16302   }
16303   \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
16304   \bool_if:nT{
16305     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
16306   }{
16307     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
16308   }

```



```

16309 %determine floating window size
16310 \bool_if:NT\g_mix_opt_windowed_bool{
16311   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
16312 }
16313 \mix_pdfobj:nnn{}{dict}{
16314   /Activation~<<
16315   /Condition\g_mix_act_tl
16316   \bool_if:NT{
16317     \g_mix_iiid_bool &&
16318     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
16319   }{%seems to work only with 3D content
16320     /Animation~<<
16321     /Subtype/\g_mix_playtpe_tl
16322     /PlayCount~\g_mix_playcnt_tl
16323     /Speed~\g_mix_playspd_tl
16324   >>
16325 }
16326 \bool_if:NT{
16327   \g_mix_iiid_bool && (
16328     \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
16329   )
16330 }{/View~\l_mix_dfltview_tl}
16331 /Presentation~<<
16332 /Transparent~\g_mix_transp_tl
16333 \bool_if:NTF\g_mix_opt_windowed_bool{
16334   /Style/Windowed
16335   /Window~<<
16336     /Width~<</Default~\tl_mix_fltd>>
16337     /Height~<</Default~\tl_mix_flht>>
16338     /Position~<<
16339     /HOffset~0/VOffset~0
16340     \str_case_e:nnF{\g_mix_winpos_tl}{
16341       {tl}{/VAlign/Near/HAlign/Near}
16342       {cl}{/VAlign/Center/HAlign/Near}
16343       {bl}{/VAlign/Far/HAlign/Near}
16344       {bc}{/VAlign/Far/HAlign/Center}
16345       {br}{/VAlign/Far/HAlign/Far}
16346       {cr}{/VAlign/Center/HAlign/Far}
16347       {tr}{/VAlign/Near/HAlign/Far}
16348       {tc}{/VAlign/Near/HAlign/Center}
16349     }{/HAlign/Center/VAlign/Center}
16350   >>
16351   >>
16352 }{
16353   /Style/Embedded
16354 }
16355 \bool_if:NTF\g_mix_iiid_bool{
16356   /Toolbar~\g_mix_tools_tl
16357   /NavigationPane~\g_mix_nav_tl
16358 }{
16359   /PassContextClick~\g_mix_contextclick_tl
16360 }
16361 >>
16362 \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}

```



```

16363     >>
16364     /Deactivation~<</Condition\g_mix_deact_tl>>
16365   }
16366   \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
16367   \tl_if_empty:NF\g_mix_usrlabel_tl{
16368     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
16369   }
16370   % #1:width, #2:height, #3:depth, #4:content (key-value)
16371   \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
16372     /Subtype/RichMedia
16373     /F~4
16374     /BS~<</W~0/S/S>>
16375     /Contents~(media-embedded-by-media9~[\g_mix_version_tl~(\g_mix_date_tl)])
16376     /NM~(\g_mix_label_tl)
16377     /AP~<</N~\g_mix_appearance_tl>>
16378     /RichMediaSettings~\l_mix_settings_tl
16379     /RichMediaContent~\l_mix_content_tl
16380   }
16381   \tl_if_empty:NF\g_mix_usrlabel_tl{
16382     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
16383     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
16384       \noexpand\the\g@mix@page@int}
16385   }
16386   \mix_pdfobj:nnn{}{dict}{
16387     /S/JavaScript/JS~(
16388       try{
16389         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
16390         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
16391           annotRM['\g_mix_label_tl']=
16392             this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
16393         }
16394         \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
16395           if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
16396             var~ocgs=this.getOCGs(this.pageNum);
16397             for(var~i=0;i<ocgs.length;i++){
16398               if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
16399                 var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
16400               }
16401             }
16402           }
16403           if(
16404             !annotRM['\g_mix_label_tl'].activated&&(
16405               app.viewerType=='Reader' ||
16406               app.viewerType=='Exchange' ||
16407               app.viewerType=='Exchange-Pro'
16408             )&&app.viewerVersion>=9
16409           ){
16410             ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
16411           }
16412         }
16413       }catch(e){}
16414       this.dirty=false;
16415     )
16416   }

```



```

16417 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
16418 /Subtype/Widget
16419 /FT/Btn/Ff~65537/F~2
16420 /BS~<</W~0>>
16421 /T~(fd@\g_mix_label_tl)
16422 /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
16423 }
16424 \mix_appendtofields:n{\mix_pdflastann:}
16425 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
16426 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
16427 \hbox_to_wd:nn{\g_mix_wd_tl}{
16428 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
16429 }
16430 }{%insert play button overlay
16431 \mix_insert_btnocg: %create OCG
16432 \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
16433 \group_begin:
16434 \cs_if_exist:NT\textdir{\textdir TLT}
16435 \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
16436 \box_move_down:nn{\g_mix_dp_tl}{
16437 \hbox_to_wd:nn{\g_mix_wd_tl}{
16438 \vbox_to_ht:nn{\g_mix_tt_tl}{
16439 \vss
16440 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
16441 \box_use:N\l_mix_pbtn_box
16442 \ocgbase_oc_emc:
16443 }
16444 }
16445 }
16446 \group_end:
16447 }
16448 \int_gincr:N\g_mix_rmcnt_int
16449 }
16450 \mix_endLTR:
16451 \group_end:
16452 }
16453 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
16454 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
16455
16456 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text
16457 \mix_uribend:
16458 \group_begin:
16459 \mix_beginLTR:
16460 \mode_leave_vertical:
16461 %reset various variables
16462 \tl_gclear:N\g_mix_overbtn_tl
16463 \tl_gclear:N\g_mix_downbtn_tl
16464 \tl_gclear:N\g_mix_btnactions_tl
16465 \tl_gclear:N\g_mix_tooltip_tl
16466 %process options
16467 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
16468 \mix_uribegin: %treat URI characters correctly
16469 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
16470 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}

```



```

16471 \mix_urien:
16472 %normal button appearance
16473 %\hbox_set:Nn\l_mix_poster_box{#2}
16474 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
16475 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
16476 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
16477 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
16478 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
16479   \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
16480     \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
16481   \mix_pdfxform:n{\l_mix_poster_box}
16482   \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
16483   %insert widget annotation
16484   \mix_pdfannot:nnnn{\width}{\height}{\depth}{
16485     /Subtype/Widget
16486     /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
16487     \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
16488     /FT/Btn/Ff~65536
16489     \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
16490     /AP~<<
16491     /N~\g_mix_normalbtn_tl
16492     \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
16493     \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
16494     >>
16495     /MK~<<
16496     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
16497     /I~\g_mix_normalbtn_tl
16498     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
16499     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
16500     >>
16501     /A~<<
16502     /S/JavaScript/JS~(app.focusRect=false;)
16503     %sequence of actions to perform
16504     \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
16505     >>
16506   }
16507   \mix_appendtofields:n{\mix_pdflastann:}
16508   \hbox_to_wd:nn{\width}{
16509     \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
16510   }
16511   \int_gincr:N\g_mix_mbtncnt_int
16512 }
16513 \mix_endLTR:
16514 \group_end:
16515 }
16516 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
16517 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
16518

```

108 File memoir-xetex-bidi.def

```

16519 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for X
16520 \renewcommand{\keepthetitle}{%
16521   \@bsmtitleempty

```



```

16522 \global\let\thanks\relax
16523 \global\let\LTRthanks\relax
16524 \global\let\RTLthanks\relax
16525 \global\let\and\relax
16526 \global\let\andnext\relax
16527 \global\let\@thanks\@empty
16528 \global\let\@title\@empty
16529 \global\let\@author\@empty
16530 \global\let\@date\@empty}
16531 \renewcommand{\maketitle}{\par
16532 \begingroup
16533 \@bsmarkseries
16534 \def\@makefnmark{\@textsuperscript{%
16535 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
16536 \long\def\@makefntext##1{\makethanksmark ##1}
16537 \if@twocolumn
16538 \ifnum \col@number=\@ne
16539 \@maketitle
16540 \else
16541 \twocolumn[\@maketitle]%
16542 \fi
16543 \else
16544 \ifdim\pagetotal>\z@
16545 \newpage
16546 \fi
16547 \global\@topnum\z@
16548 \@maketitle
16549 \fi
16550 \thispagestyle{title}\@thanks
16551 \endgroup
16552 \@bscontmark % \setcounter{footnote}{0}%
16553 }
16554 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
16555 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
16556 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
16557 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
16558 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
16559 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
16560 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
16561 \renewcommand*{\thesubsection}{%
16562 \thesection\@SepMark\@arabic\c@subsection}
16563 \renewcommand*{\thesubsubsection}{%
16564 \thesubsection\@SepMark\@arabic\c@subsubsection}
16565 \renewcommand*{\theparagraph}{%
16566 \thesubsubsection\@SepMark\@arabic\c@paragraph}
16567 \renewcommand*{\thesubparagraph}{%
16568 \theparagraph\@SepMark\@arabic\c@subparagraph}
16569 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
16570 \renewcommand{\theequation}{%
16571 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16572 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
16573 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
16574 \ifartopt
16575 \chapterstyle{article}

```



```

16576 \counterwithout{figure}{chapter}
16577 \counterwithout{table}{chapter}
16578 \counterwithout{footnote}{chapter}
16579 \counterwithout{equation}{chapter}
16580 \renewcommand{\chaptername}{%
16581 \renewcommand{\maketitlehookb}{%
16582 \vskip -1.5\topsep\vskip -1.5\partopsep}
16583 \renewcommand{\maketitlehookc}{%
16584 \vskip -1.5\topsep\vskip -1.5\partopsep}
16585 \fi
16586 \long\def\@makecaption#1#2{\let\@memtempa\relax
16587 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
16588 \else \def\@memtempa{\vbox to\topskip{}}\fi
16589 \let\@contfnote\footnote \renewcommand{\footnote}[2][]{%
16590 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][]{%
16591 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
16592 \let\footnote\@contfnote
16593 \let\footnotemark\@contfmark
16594 \ifdim\wd\@tempboxa<\linewidth \centering \fi
16595 \if@contcw
16596 \centering
16597 \parbox{\@contcwidth}{%
16598 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
16599 \fi
16600 \ifdim\wd\@tempboxa<\linewidth
16601 \@contpre
16602 {\@contnfont #1\@contdelim}\@memtempa
16603 {\@contcshortstyle \@conttfont #2\@contfinal\par}
16604 \else
16605 \if@conthang
16606 \sbox\@tempboxa{\@contnfont #1\@contdelim}
16607 \@contpre%
16608 {\@contcstyle\hangindent=\wd\@tempboxa
16609 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
16610 \else
16611 \if@contindent
16612 \@contpre%
16613 {\@contnfont #1\@contdelim}\@memtempa
16614 {\@contcstyle\hangindent=\@contindw
16615 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
16616 \else
16617 \@contpre%
16618 {\@contnfont #1\@contdelim}\@memtempa
16619 {\@contcstyle \@conttfont #2\@contfinal\par}
16620 \fi
16621 \fi
16622 \fi
16623 \@contpost
16624 \if@contcw
16625 \par
16626 } % end of the \parbox
16627 \fi
16628 \vskip\belowcaptionskip}
16629 \ifpackageloaded{caption}{%

```



```

16630 \AtBeginPackage{caption}{
16631 \ClassWarningNoLine{memoir}{%
16632 You are using the caption package with the memoir \MessageBreak
16633 class. This may cause unexpected or inconsistent \MessageBreak
16634 results if you use any of memoir's captioning facilities}
16635
16636 \long\def\@makecaption##1##2{%
16637 \vskip\abovecaptionskip
16638 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
16639 \ifdim \wd\@tempboxa >\hsize
16640 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
16641 \else
16642 \global \@minipagefalse
16643 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
16644 \fi
16645 \vskip\belowcaptionskip}
16646
16647 \def\caption{%
16648 \ifx\@capttype\@undefined
16649 \@latex@error{\noexpand\caption outside float}\@ehd
16650 \expandafter\@gobble
16651 \else
16652 \refstepcounter\@capttype
16653 \expandafter\@firstofone
16654 \fi
16655 {\@dblarg{\@caption\@capttype}}}%
16656 }
16657
16658 \long\def\@caption##1[##2]##3{%
16659 \par
16660 \addcontentsline{\csname ext@##1\endcsname}{##1}%
16661 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
16662 \begingroup
16663 \@parboxrestore
16664 \if@minipage
16665 \setminipage
16666 \fi
16667 \normalsize
16668 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
16669 \endgroup}
16670 }{}
16671 \renewenvironment{thebibliography}[1]{%
16672 \bibsection
16673 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16674 \bidi@thebibliography@font@hook%
16675 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

109 File midfloat-xetex-bidi.def

```

16676 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
16677 \def\RTL\outputdblcol{%
16678 \if@firstcolumn
16679 \global \@firstcolumnfalse
16680 \global\setbox\@leftcolumn\copy\@outputbox

```




```

16681 \splitmaxdepth\maxdimen
16682 \vbadness\maxdimen
16683 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16684 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16685 \toks@\expandafter{\topmark}%
16686 \xdef\@firstcoltopmark{\the\toks@}%
16687 \toks@\expandafter{\splitfirstmark}%
16688 \xdef\@firstcolfirstmark{\the\toks@}%
16689 \ifx\@firstcolfirstmark\@empty
16690 \global\let\setmarks\relax
16691 \else
16692 \gdef\setmarks{%
16693 \let\firstmark\@firstcolfirstmark
16694 \let\topmark\@firstcoltopmark}%
16695 \fi
16696 \global\c@colht\@colht\global\c@addvipersep\z@
16697 \ifnum\jua@sk>0
16698 \remove@strip\jua@sar
16699 \global\@colht\the\jua@pr
16700 \ifdim\right@cor>\z@
16701 \global\advance\@colht by\right@cor
16702 \fi
16703 \global\advance\@colht by\cor@height
16704 \global\cor@height=0pt
16705 \fi
16706 \global\setbox\@rightcolumn\vbox{%
16707 \else
16708 \ifdim\c@colht>\@colht
16709 \@tempdima\@colht
16710 \ifdim\@colht>\z@
16711 \global\setbox\@rightcolumn\vbox{%
16712 \unvbox\@rightcolumn
16713 \vbox to\@tempdima{%
16714 \vskip\c@addvipersep\unvbox\@outputbox}%
16715 \vskip\stripsep
16716 \vrule height\the\jua@ht width 0pt depth 0pt
16717 \vskip\stripsep
16718 }%
16719 \global\c@addvipersep\m@addvipersep
16720 \else
16721 \global\setbox\@rightcolumn\vbox{%
16722 \unvbox\@rightcolumn
16723 \vrule height\the\jua@ht width 0pt depth 0pt
16724 \vskip\stripsep
16725 }%
16726 \fi
16727 \ifnum\jua@sk>0
16728 \remove@strip\jua@sar
16729 \global\@colht\the\jua@pr
16730 \global\advance\@colht by-\ht\@rightcolumn
16731 \global\advance\@colht by\cor@height
16732 \global\cor@height=0pt
16733 \else
16734 \global\advance\c@colht by-\ht\@rightcolumn

```



```

16735         \global\@colht\c@colht
16736     \fi
16737 \else
16738 \global\@firstcolumntrue
16739 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
16740     \unvbox\@rightcolumn
16741     \vskip\c@addvipersep
16742     \unvbox\@outputbox
16743 }%
16744 \setbox\@outputbox \vbox {%
16745     \hb@xt@\textwidth {%
16746         \hskip \columnwidth
16747         \hfil
16748         \vrule \@width\columnseprule
16749         \hfil
16750         \hb@xt@\columnwidth {%
16751             \bidi@firstcolumn@status@write%
16752             \box\@leftcolumn \hss}%
16753         \hskip-\textwidth
16754         \hb@xt@\columnwidth {%
16755             \bidi@lastcolumn@status@write%
16756             \box\@outputbox \hss}%
16757         \hskip\columnwidth
16758         \hskip\columnsep}%
16759     }%
16760 \@combinedblfloats
16761 \@setmarks
16762 \@outputpage
16763 \begingroup
16764     \@dblfloatplacement
16765     \@startdblcolumn
16766     \@whiles\if@colmade \fi
16767     {\@outputpage
16768     \@startdblcolumn}%
16769 \endgroup
16770 \global\jua@sk=0\global\jua@sar={}%
16771 \global\cor@height\z@\global\c@addvipersep\z@
16772 \fi
16773 \fi
16774 }
16775
16776
16777 \def\LTR@outputdblcol{%
16778     \if@firstcolumn
16779         \global \@firstcolumnfalse
16780         \global\setbox\@leftcolumn\copy\@outputbox
16781         \splitmaxdepth\maxdimen
16782         \vbadness\maxdimen
16783         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
16784         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
16785         \toks@\expandafter{\topmark}%
16786         \xdef\@firstcoltopmark{\the\toks@}%
16787         \toks@\expandafter{\splitfirstmark}%
16788         \xdef\@firstcolfirstmark{\the\toks@}%

```



```

16789 \ifx\@firstcolfirstmark\@empty
16790 \global\let\@setmarks\relax
16791 \else
16792 \gdef\@setmarks{%
16793 \let\firstmark\@firstcolfirstmark
16794 \let\topmark\@firstcoltopmark}%
16795 \fi
16796 \global\c@colht\@colht\global\c@addvipersep\z@
16797 \ifnum\jua@sk>0
16798 \remove@strip\jua@sar
16799 \global\@colht\the\jua@pr
16800 \ifdim\right@cor>\z@
16801 \global\advance\@colht by\right@cor
16802 \fi
16803 \global\advance\@colht by\cor@height
16804 \global\cor@height=0pt
16805 \fi
16806 \global\setbox\@rightcolumn \vbox{%
16807 \else
16808 \ifdim\c@colht>\@colht
16809 \@tempdima\@colht
16810 \ifdim\@colht>\z@
16811 \global\setbox\@rightcolumn \vbox{%
16812 \unvbox\@rightcolumn
16813 \vbox to\@tempdima{%
16814 \vskip\c@addvipersep\unvbox\@outputbox}%
16815 \vskip\stripsep
16816 \vrule height\the\jua@ht width 0pt depth 0pt
16817 \vskip\stripsep
16818 }%
16819 \global\c@addvipersep\m@addvipersep
16820 \else
16821 \global\setbox\@rightcolumn \vbox{%
16822 \unvbox\@rightcolumn
16823 \vrule height\the\jua@ht width 0pt depth 0pt
16824 \vskip\stripsep
16825 }%
16826 \fi
16827 \ifnum\jua@sk>0
16828 \remove@strip\jua@sar
16829 \global\@colht\the\jua@pr
16830 \global\advance\@colht by -\ht\@rightcolumn
16831 \global\advance\@colht by\cor@height
16832 \global\cor@height=0pt
16833 \else
16834 \global\advance\c@colht by-\ht\@rightcolumn
16835 \global\@colht\c@colht
16836 \fi
16837 \else
16838 \global\@firstcolumntrue
16839 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
16840 \unvbox\@rightcolumn
16841 \vskip\c@addvipersep
16842 \unvbox\@outputbox

```



```

16843 }%
16844 \setbox\@outputbox \vbox {%
16845     \hb@xt@\textwidth {%
16846         \hb@xt@\columnwidth {%
16847             \bidi@firstcolumn@status@write%
16848             \box\@leftcolumn \hss}%
16849         \hfil
16850         \vrule \@width\columnseprule
16851         \hfil
16852         \hb@xt@\columnwidth {%
16853             \bidi@lastcolumn@status@write%
16854             \box\@outputbox \hss}%
16855         }%
16856     }%
16857 \@@combinedblfloats
16858 \@@setmarks
16859 \@@outputpage
16860 \begin@group
16861     \@@dblfloatplacement
16862     \@@startdblcolumn
16863     \@@whiles\if@fcolmade \fi
16864     {\@@outputpage
16865     \@@startdblcolumn}%
16866 \end@group
16867 \global\jua@sk=0\global\jua@sar={}%
16868 \global\cor@height\z@\global\c@advipersep\z@
16869 \fi
16870 \fi
16871 }
16872
16873
16874 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
16875 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
16876     \hsize\textwidth
16877     \@parboxrestore
16878     \col@number \@ne
16879     \vrule height\topskip width0pt depth0pt
16880 }
16881
16882 \def\endstrip{%
16883     \egroup\egroup
16884     \if@firstcolumn
16885         \ifdim\pagetotal>\z@
16886             \vskip\stripsep
16887             \global\ht@strip\pagegoal
16888             \global\advance\ht@strip by-\pagetotal
16889             \global\advance\ht@strip by-\stripsep
16890             \global\advance\ht@strip by-\ht\@viper
16891             \global\advance\ht@strip by-\stripsep
16892             \global\jua@ht=\ht\@viper
16893         \else
16894             \global\ht@strip\z@
16895         \fi
16896         \ifdim\ht@strip>\z@

```



```

16897         \unvbox\@viper
16898         \vskip\stripsep
16899         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
16900         \global\advance\jua@sk by1
16901     \else
16902         \@latex@error{Strip needs more place!}\@ehc
16903         \if@vihproof
16904             \framebox[\columnwidth]{??? Strip ???}%
16905         \fi
16906     \fi
16907 \else
16908     \@latex@error{Strip is used only on left column!}\@ehc
16909     \if@vihproof
16910         \framebox[\columnwidth]{??? Strip ???}%
16911     \fi
16912 \fi
16913 }

```

110 File minitoc-xetex-bidi.def

```

16914 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
16915 \def\@undottedtocline#1#2#3#4#5{%
16916     \ifnum #1>\c@tocdepth\relax \else
16917         \vskip \z@ plus.2\p@
16918         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
16919         \parindent #2\relax\@afterindenttrue
16920         \interlinepenalty\@M
16921         \leavevmode
16922         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
16923         \hskip -\if@RTL\righskip\else\leftskip\fi
16924         #4\nobreak\hfill \nobreak
16925         \null\par}%
16926     \fi}
16927 \def\@Undottedtocline#1#2#3#4#5{%
16928     \ifnum #1>\c@tocdepth\relax \else
16929         \vskip \z@ \@plus.2\p@
16930         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocma
16931         \parindent #2\relax\@afterindenttrue
16932         \interlinepenalty\@M
16933         \leavevmode
16934         \@tempdima #3\relax
16935         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
16936         {\coffee\font #4}\nobreak \nobreak\null
16937         \par}%
16938     \fi}
16939 \def\@Undottedtoclinep#1#2#3#4#5{%
16940     \ifnum #1>\c@tocdepth\relax \else
16941         \vskip \z@ \@plus.2\p@
16942         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocma
16943         \parindent #2\relax\@afterindenttrue
16944         \interlinepenalty\@M
16945         \leavevmode
16946         \@tempdima #3\relax
16947         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ

```



```

16948      {#4}\nobreak \hfill \nobreak\null
16949      \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
16950      \par}%
16951      \fi}

```

111 File multicol-xetex-bidi.def

```

16952 \ProvidesFile{multicol-xetex-bidi.def}[2022/02/01 v1.3 bidi adaptations for multicol package]
16953 \def\page@sofar{%
16954   \process@cols\mult@rightbox
16955   {\ifvoid\count@
16956     \setbox\count@\hbox to\hsize{%
16957       \else
16958       \wd\count@\hsize
16959       \fi}%
16960   \count@\col@number \advance\count@m@ne
16961   \mult@info\z@
16962   {Column spec: \the\full@width\space = indent
16963     + columns + sep =\MessageBreak
16964     \the\multicol@leftmargin\space
16965     + \the\col@number\space
16966     x \the\hsize\space
16967     + \the\count@\space
16968     x \the\columnsep
16969   }%
16970 \ifvmode\else\errmessage{Multicol Error}\fi
16971   \nointerlineskip
16972   \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
16973   \moveright\multicol@leftmargin
16974   \hbox to\full@width{%
16975     \bidi@multicol@align@columns
16976     \rlap{\phantom p}%
16977   }%
16978   \prevdepth\z@
16979   \kern-\dimen\tw@
16980   \ifdim\dimen\tw@ > \mc@gridwarn
16981     \PackageWarning{multicol}%
16982     {Very deep columns!\MessageBreak
16983       Grid alignment might be broken}%
16984   \fi
16985 }
16986 \def\LTR@column@boxes{%
16987   \process@cols\mult@firstbox{%
16988     \ifdim\dp\count@>\dimen\tw@
16989     \global\dimen\tw@\dp\count@ \fi
16990     \mc@col@status@write
16991     \box\count@
16992     \hss{\columnseprulecolor\vrule
16993       \@width\columnseprule}\hss}%
16994   \ifdim\dp\mult@rightbox>\dimen\tw@
16995     \global\dimen\tw@\dp\mult@rightbox \fi
16996   \mc@lastcol@status@write
16997   \box\mult@rightbox
16998 }

```



```

16999
17000 \def\RTL@column@boxes{%
17001     \process@cols\mult@firstbox{%
17002         \hskip\hsize
17003         \hss{\columnseprulecolor\vrule
17004             \@width\columnseprule}\hss
17005     }%
17006     \hskip\hsize
17007     \process@cols\mult@firstbox{%
17008         \ifdim\dp\count@>\dimen\tw@
17009             \global\dimen\tw@\dp\count@ \fi
17010         \hskip-\hsize
17011         \mc@col@status@write
17012         \box\count@
17013         \hskip-\hsize
17014         \hskip-\columnsep
17015     }%
17016     \ifdim\dp\mult@rightbox>\dimen\tw@
17017         \global\dimen\tw@\dp\mult@rightbox \fi
17018     \hskip-\hsize
17019     \mc@lastcol@status@write
17020     \box\mult@rightbox
17021     \hskip-\hsize
17022     \hskip\full@width
17023 }
17024
17025 \newcommand\RTLmulticolcolumns
17026     {\let\bidimulticol@align@columns
17027         \RTL@column@boxes}
17028 \newcommand\LTRmulticolcolumns
17029     {\let\bidimulticol@align@columns
17030         \LTR@column@boxes}
17031 \newcommand\bidimulticol@align@columns
17032     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
17033 \bidimulticol@AtEndPreamble{%
17034     \if@bidimulticol@csdef{footinsv@1}{%
17035         \def\footnoterule{\kern-3\p@
17036             \hrule \@width \textwidth \kern 2.6\p@}%
17037     }{}%
17038 }
17039 \def\multicols#1{\col@number#1\relax
17040     \ifnum\col@number<\tw@
17041         \PackageWarning{multicol}%
17042             {Using '\number\col@number'
17043              columns doesn't seem a good idea.^^J
17044              I therefore use two columns instead}%
17045         \col@number\tw@ \fi
17046     \ifnum\col@number>20
17047         \PackageError{multicol}%
17048             {Too many columns}%
17049         {Current implementation doesn't
17050          support more than 20 columns.%
17051          \MessageBreak
17052          I therefore use 20 columns instead}%

```



```

17053 \col@number20 \fi
17054 \ifx\@footnotetext\mult@footnotetext
17055 \else
17056 \let\orig@footnotetext\@footnotetext
17057 \let\@footnotetext\mult@footnotetext
17058 \fi
17059 \ifx\@LTRfootnotetext\mult@LTRfootnotetext
17060 \else
17061 \let\orig@LTRfootnotetext\@LTRfootnotetext
17062 \let\@LTRfootnotetext\mult@LTRfootnotetext
17063 \fi
17064 \ifx\@RTLfootnotetext\mult@RTLfootnotetext
17065 \else
17066 \let\orig@RTLfootnotetext\@RTLfootnotetext
17067 \let\@RTLfootnotetext\mult@RTLfootnotetext
17068 \fi
17069 \@ifnextchar[\mult@cols{\mult@cols[]}]
17070 \long\def\mult@footnotetext#1{\begingroup
17071 \hsize\textwidth
17072 \columnwidth\textwidth
17073 \orig@footnotetext{#1}\endgroup}
17074 \long\def\mult@LTRfootnotetext#1{\begingroup
17075 \hsize\textwidth
17076 \columnwidth\textwidth
17077 \orig@LTRfootnotetext{#1}\endgroup}
17078 \long\def\mult@RTLfootnotetext#1{\begingroup
17079 \hsize\textwidth
17080 \columnwidth\textwidth
17081 \orig@RTLfootnotetext{#1}\endgroup}
17082 \def\right@footnoterule{%
17083 \kern-3\p@
17084 \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
17085 \kern2.6\p@}
17086 \def\textwidth@footnoterule{\kern-3\p@
17087 \hrule \@width \textwidth \kern 2.6\p@}
17088 \def\bidileave@mult@copyins{%
17089 \advance\dimen@-\skip\@bidi@copyins@
17090 \advance\dimen@-\ht\@bidi@copyins@
17091 }
17092 \bidi@AtEndPreamble{%
17093 \if@bidi@csdef{footinsv@l}{%
17094 \def\bidileave@mult@footins@vr{%
17095 \advance\dimen@-\skip\footinsv@r
17096 \advance\dimen@-\ht\footinsv@r
17097 }%
17098 \def\bidileave@mult@footins@vl{%
17099 \advance\dimen@-\skip\footinsv@l
17100 \advance\dimen@-\ht\footinsv@l
17101 }%
17102 \def\bidiiinit@mult@footinsv@r{%
17103 \multiply\count\footinsv@r\col@number
17104 \multiply\skip \footinsv@r\col@number
17105 }%
17106 \def\bidiiinit@mult@footinsv@l{%

```




```

17107     \multiply\count\footinsv@l\col@number
17108     \multiply\skip \footinsv@l\col@number
17109   }%
17110   \def\bidireinsert@footnotesv@r{\ifvoid\footinsv@r\else
17111     \insert\footinsv@r{}\fi}%
17112   \def\bidireinsert@footnotesv@l{\ifvoid\footinsv@l\else
17113     \insert\footinsv@l{}\fi}%
17114   \bidi@patchcmd{\prepare@multicols}{%
17115     \reinsert@footnotes
17116   }{%
17117     \reinsert@footnotes
17118     \bidi@init@mult@footinsv@r
17119     \bidi@reinsert@footnotesv@r
17120     \bidi@init@mult@footinsv@l
17121     \bidi@reinsert@footnotesv@l
17122   }{}{}%
17123   \bidi@patchcmd{\multi@column@out}{%
17124     \ifnum \c@tracingmulticols>\thr@@
17125   }{%
17126     \ifvoid\footinsv@r
17127     \ifvoid\footinsv@l
17128     \else
17129       \PackageWarning{multicol}%
17130       {I moved some lines to
17131       the next page.\MessageBreak
17132       Footnotes on page
17133       \thepage\space might be wrong}%
17134     \fi
17135     \else
17136       \PackageWarning{multicol}%
17137       {I moved some lines to
17138       the next page.\MessageBreak
17139       Footnotes on page
17140       \thepage\space might be wrong}%
17141     \fi
17142     \ifnum \c@tracingmulticols>\thr@@
17143   }{}{}%
17144   \bidi@patchcmd{\endmulticols}{%
17145     \reinsert@footnotes
17146   }{%
17147     \reinsert@footnotes
17148     \bidi@reinsert@footnotesv@r
17149     \bidi@reinsert@footnotesv@l
17150   }{}{}%
17151   \bidi@patchcmd{\speci@ls}{%
17152     \reinsert@footnotes
17153   }{%
17154     \reinsert@footnotes
17155     \bidi@reinsert@footnotesv@r
17156     \bidi@reinsert@footnotesv@l
17157   }{}{}%
17158   \bidi@patchcmd{\speci@ls}{%
17159     \reinsert@footnotes
17160   }{%

```



```

17161 \reinsert@footnotes
17162 \bidi@reinsert@footnotesv@r
17163 \bidi@reinsert@footnotesv@l
17164 }{}{}%
17165 }{}%
17166 \bidi@patchcmd{\multi@column@out}{%
17167 \ifvbox \@kludgeins
17168 }{}%
17169 \if@bidi@csdef{footinsv@l}{%
17170 \divide\skip\footinsv@r\col@number
17171 \ifvoid\footinsv@r \else
17172 \bidi@leave@mult@footins@vr
17173 \fi
17174 \divide\skip\footinsv@l\col@number
17175 \ifvoid\footinsv@l \else
17176 \bidi@leave@mult@footins@vl
17177 \fi
17178 }{}%
17179 \ifvoid\@bidi@copyins@ \else
17180 \bidi@leave@mult@copyins
17181 \fi
17182 \ifvbox \@kludgeins
17183 }{}{}%
17184 }

```

112 File multienum-xetex-bidi.def

```

17185 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
17186 \renewcommand{\itemx}[1]{\parbox[t]%
17187 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17188 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
17189 \renewcommand{\itemxxx}[2]{\parbox[t]%
17190 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17191 \parbox[t]{.5\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
17192 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17193 \parbox[t]{0.5\remainxxx}{\bidi@raggedright #2}\smallskip
17194 \renewcommand{\itemxxxx}[3]{\parbox[t]%
17195 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17196 \parbox[t]{.3333\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
17197 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
17198 \parbox[t]{0.3333\remainxxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
17199 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
17200 \parbox[t]{0.3333\remainxxxx}{\bidi@raggedright #3}\par}%\smallskip
17201 \renewcommand{\itemxxxxx}[4]{\parbox[t]%
17202 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17203 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
17204 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17205 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
17206 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17207 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
17208 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17209 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip
17210 \renewcommand{\itemxxxxxx}[5]{\parbox[t]%
17211 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

17212 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
17213 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17214 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
17215 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17216 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
17217 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17218 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
17219 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17220 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
17221 \renewcommand{\itemxox}[2]{\parbox[t]{%
17222 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17223 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
17224 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17225 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
17226 \renewcommand{\itemxxo}[2]{\parbox[t]{%
17227 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17228 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
17229 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17230 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
17231 \renewcommand{\itemxox}[3]{\parbox[t]{%
17232 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17233 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
17234 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17235 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
17236 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17237 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
17238 \renewcommand{\itemxxox}[3]{\parbox[t]{%
17239 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17240 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
17241 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17242 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
17243 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17244 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
17245 \renewcommand{\itemxxxo}[3]{\parbox[t]{%
17246 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17247 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
17248 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17249 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
17250 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
17251 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

113 File natbib-xetex-bidi.def

```

17252 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
17253 \renewenvironment{thebibliography}[1]{%
17254 \bibsection
17255 \parindent\z@
17256 \bibpreamble
17257 \bibfont
17258 \if@RTL\if@LTR\bibitems\@RTLfalse\else\fi\else\if@RTL\bibitems\@RTLtrue\else\fi\fi
17259 \bidi@@thebibliography@font@hook%
17260 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
17261 \ifNAT@openbib
17262 \renewcommand\newblock{\par}%

```



```

17263 \else
17264 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
17265 \fi
17266 \sloppy\clubpenalty4000\widowpenalty4000
17267 \sfcode`\.\@m
17268 \let\NAT@bibitem@first@sw\@firstoftwo
17269 \let\citeN\cite \let\shortcite\cite
17270 \let\citeasnoun\cite
17271 }{%
17272 \bibitem@fin
17273 \bibpostamble
17274 \def\@noitemerr{%
17275 \PackageWarning{natbib}{Empty `thebibliography' environment}%
17276 }%
17277 \endlist
17278 \bibcleanup
17279 }%

```

114 File newfloat-xetex-bidi.def

```

17280 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
17281 \renewcommand*\newfloat@setwithin[2]{%
17282 \ifcsname c@chapter\endcsname
17283 \@removefromreset{#1}{chapter}%
17284 \fi
17285 \@removefromreset{#1}{section}%
17286 \edef\@tempa{#2}%
17287 \ifx\@tempa\@empty
17288 \def\@tempa{none}%
17289 \fi
17290 \def\@tempb{none}%
17291 \ifx\@tempa\@tempb
17292 \ifcsname c@chapter\endcsname
17293 \@chapterlistsgap@off{#1}%
17294 \fi
17295 \newfloat@@setwithin{#1}{-}{-}%
17296 \else
17297 \def\@tempb{chapter}%
17298 \ifx\@tempa\@tempb
17299 \@addtoreset{#1}{chapter}%
17300 \@chapterlistsgap@on{#1}%
17301 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@S
17302 \else
17303 \def\@tempb{section}%
17304 \ifx\@tempa\@tempb
17305 \@addtoreset{#1}{section}%
17306 \ifcsname c@chapter\endcsname
17307 \@addtoreset{#1}{chapter}%
17308 \@chapterlistsgap@on{#1}%
17309 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
17310 \else
17311 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
17312 \fi
17313 \else

```



```

17314      \newfloat@Error{Invalid value `#2' for option `within'}%
17315      \fi
17316      \fi
17317      \fi}

```

115 File ntheorem-xetex-bidi.def

```

17318 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
17319 \gdef\@thm#1#2#3{%
17320   \if@thmmarks
17321     \stepcounter{end\InTheoType ctr}%
17322   \fi
17323   \renewcommand{\InTheoType}{#1}%
17324   \if@thmmarks
17325     \stepcounter{curr#1ctr}%
17326     \setcounter{end#1ctr}{0}%
17327   \fi
17328   \refstepcounter{#2}%
17329   \theorem@prework
17330   \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
17331   \ifvmode \advance\thm@topsepadd\partopsep\fi
17332   \@trivlist
17333   \@topsep \theorem@preskipamount
17334   \@topsepadd \thm@topsepadd % used by \@endparenv
17335   \advance\linewidth -\theorem@indent
17336   \advance\@totalleftmargin \theorem@indent
17337   \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
17338   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

116 File ntheorem-hyper-xetex-bidi.def

```

17339 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper]
17340 \gdef\@thm#1#2#3{%
17341   \if@thmmarks
17342     \stepcounter{end\InTheoType ctr}%
17343   \fi
17344   \renewcommand{\InTheoType}{#1}%
17345   \if@thmmarks
17346     \stepcounter{curr#1ctr}%
17347     \setcounter{end#1ctr}{0}%
17348   \fi
17349   \refstepcounter{#2}%
17350   \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
17351   \ifvmode \advance\thm@topsepadd\partopsep\fi
17352   \@trivlist
17353   \@topsep \theorem@preskipamount
17354   \@topsepadd \thm@topsepadd % used by \@endparenv
17355   \advance\linewidth -\theorem@indent
17356   \advance\@totalleftmargin \theorem@indent
17357   \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
17358   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

117 File overpic-xetex-bidi.def



```

17359 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package f
17360 \renewenvironment{overpic}[2][{}]{%
17361   \sbox{\z@}{\includegraphics[#1]{#2}}%
17362   \settodepth{\@tempcnta}{\usebox{\z@}}%
17363   \settoheight{\@tempcntb}{\usebox{\z@}}%
17364   \advance\@tempcntb\@tempcnta%
17365   \settowidth{\@tempcnta}{\usebox{\z@}}%
17366   \setlength{\@tempdima}{\unitlength}%
17367   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
17368 %
17369   \OVP@calc%
17370 %
17371 \begin{picture}(\@tempcnta,\@tempcntb)%
17372   \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
17373   \ifGin@grid%
17374     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
17375       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
17376   \fi\fi%
17377   % reset the graphics parameter
17378   \let\Gin@outer@scalex\relax
17379   \let\Gin@outer@scaley\relax
17380   \let\Gin@angle\relax
17381   \let\Gin@ewidth\Gin@exclamation
17382   \let\Gin@eheight\Gin@ewidth
17383   \def\Gin@scalex{1}
17384   \let\Gin@scaley\Gin@exclamation
17385 }{%
17386   \if@RTL\ifGin@grid%
17387     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
17388       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
17389   \fi%
17390   \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
17391 \end{picture}%
17392 }%

```

118 File pdfbase-xetex-bidi.def

```

17393 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
17394 \ExplSyntaxOn
17395 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
17396 \cs_set_nopar:Npn\@outputpage{
17397   \int_gincr:N\g_pbs_page_int
17398   \box_if_vertical:cTF{\@outputbox}{
17399     \bool_set_true:N\l_pbs_is_vertical_bool
17400   }{
17401     \bool_set_false:N\l_pbs_is_vertical_bool
17402   }
17403   \hbox_set:Nn\@outputbox{
17404     %begin of page
17405     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
17406     \box_use_drop:N\@outputbox
17407     %end of page
17408     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
17409   }

```



```

17410 \bool_if:NT\l_pbs_is_vertical_bool{
17411   \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
17412 }
17413 \pbs_outputpage_orig:
17414 }
17415 \ExplSyntaxOff

```

119 File pdfscape-xetex-bidi.def

```

17416 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape package]
17417 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
17418   \if@RTL
17419     \PLS@Rotate{-90}%
17420   \else
17421     \PLS@Rotate{90}%
17422   \fi
17423 }{}{}

```

120 File pdfpages-xetex-bidi.def

```

17424 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
17425 \renewcommand*{\includepdf}[2] [] {%
17426   \begingroup
17427   \@RTLfalse
17428   \let\AM@threadname\relax
17429   \AM@split@options{pdfpages}{#1}%
17430   \edef\AM@temp{\pdfpages{\the\@temptokena}}%
17431   \expandafter\setkeys\AM@temp
17432   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
17433     \let\AM@currentdocname\relax
17434     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
17435     \def\AM@pagecount{0}%
17436   }{%
17437     \AM@findfile{#2}%
17438     \if\AM@threadname\relax
17439       \def\AM@threadname{\AM@currentdocname}%
17440     \fi
17441   }%
17442   \ifAM@survey
17443     \def\AM@pagestemp{}%
17444     \@tempcnta=0
17445     \def\foo{%
17446       \ifundefined{r\AM@xrprefix pdfpages@page\the\@tempcnta}%
17447         {\let\foo\relax}
17448       {\expandafter\ifx\expandafter\\AM@pagestemp\\
17449         \edef\AM@pagestemp{%
17450           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
17451         \else
17452           \edef\AM@pagestemp{\AM@pagestemp,%
17453             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
17454         \fi
17455         \advance\@tempcnta 1\relax
17456       }%
17457     \foo

```



```

17458 }%
17459 \foo
17460 \expandafter\ifx\expandafter\\AM@pagetemp\\
17461 \def\AM@pagetemp{1}%
17462 \fi
17463 \fi
17464 \ifAM@output
17465 \expandafter\AM@readlist\expandafter{\AM@pagetemp}%
17466 \AM@output{#1}%
17467 \fi
17468 \AM@CheckAtEnd
17469 \endgroup
17470 \AM@ClearShipoutPicture
17471 }

```

121 File pgfcorescopes.code-xetex-bidi.def

```

17472 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
17473 \def\pgfpicture{%
17474 \begingroup%
17475 \ifmmode\else\@RTLfalse\beginL\fi%
17476 \pgfpicturetrue%
17477 \global\advance\pgf@picture@serial@count by1\relax%
17478 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
17479 \let\pgf@nodecallback=\pgfutil@gobble%
17480 \pgf@picmaxx=-16000pt\relax%
17481 \pgf@picminx=16000pt\relax%
17482 \pgf@picmaxy=-16000pt\relax%
17483 \pgf@picminy=16000pt\relax%
17484 \pgf@relevantforpicturesizetrue%
17485 \pgf@resetpathsizes%
17486 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
17487 \def\endpgfpicture{%
17488 \ifpgfrememberpicturerepositiononpage%
17489 \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}}%
17490 \fi%
17491 % ok, now let's position the box
17492 \ifdim\pgf@picmaxx=-16000pt\relax%
17493 % empty picture. make size 0.
17494 \global\pgf@picmaxx=0pt\relax%
17495 \global\pgf@picminx=0pt\relax%
17496 \global\pgf@picmaxy=0pt\relax%
17497 \global\pgf@picminy=0pt\relax%
17498 \fi%
17499 % Shift baseline outside:
17500 \pgf@relevantforpicturesizefalse%
17501 \pgf@process{\pgf@baseline}%
17502 \xdef\pgf@shift@baseline{\the\pgf@y}%
17503 %
17504 \pgf@process{\pgf@trimleft}%
17505 \global\advance\pgf@x by-\pgf@picminx
17506 % prepare \hskip\pgf@trimleft@final.
17507 % note that \pgf@trimleft@final is also queried
17508 % by the pgf image externalization.

```




```

17509         \xdef\pgf@trimleft@final{-\the\pgf@x}%
17510         %
17511         \pgf@process{\pgf@trimright}%
17512         \global\advance\pgf@x by-\pgf@picmaxx
17513         % prepare \hskip\pgf@trimright@final.
17514         % note that \pgf@trimright@final is also queried
17515         % by the pgf image externalization.
17516         \xdef\pgf@trimright@final{\the\pgf@x}%
17517     %
17518     \pgf@remember@layerlist@globally
17519     \endgroup%
17520     \hss%
17521     \egroup%
17522     \pgf@restore@layerlist@from@global
17523     \pgf@insertlayers%
17524     \endgroup%
17525     \pgfsys@discardpath%
17526     \endgroup%
17527     \pgfsys@endscope%
17528     \pgfsys@endpicture%
17529     \endgroup%
17530     \hss
17531 \egroup%
17532 \pgfsys@typesetpicturebox\pgfpic%
17533 \ifmmode\else\endL\fi%
17534 \endgroup%
17535 }

```

122 File pgfsys.code-xetex-bidi.def

```

17536 \ProvidesFile{pgfsys.code-xetex-bidi.def}[2022/06/01 v0.1 bidi adaptations for pgfsys.code.t
17537 \def\pgfsys@shadingoutsidepgfpicture#1{%
17538   \beginL#1\endL%
17539 }
17540
17541

```

123 File picinpar-xetex-bidi.def

```

17542 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package
17543 \long\def\@makewincaption#1#2{%
17544   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
17545   \ifdim\wd\@tempboxa>\picwd
17546     {\footnotesize{\bf #1:\enspace}{#2\par}}
17547   \else
17548     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
17549   \fi}
17550 \def\endwindow{%
17551   \global\tcd=\tcdsav
17552   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
17553   \vbadness=10000
17554   \splittopskip=0pt
17555   %
17556 % Typeset the lines above the window

```



```

17557 %
17558 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
17559 \tcn=\tcd
17560 \loop\advance\tcn -1
17561 \setbox\fslice=\vsplit\holder to\baselineskip
17562 \prune\fslice\linewidth
17563 \topheight=0pt
17564 \ifnum\dp\fslice>\dp\wstrutbox
17565     \advance\topheight-\dp\fslice
17566     \advance\topheight\dp\wstrutbox
17567     \advance\topheight\ilg\fi
17568 \hbox to\linewidth{\box\fslice}
17569 \vskip-\topheight
17570 \ifdim\ht\holder>0pt\repeat
17571 \fi
17572 %
17573 % Now we build the boxes beside the window
17574 %
17575 \global\topheight=\tcl\baselineskip
17576 \ifnum\cumpartcl>0\global\tcl=\cumtcl
17577     \global\topheight=\vpic
17578 \fi
17579 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
17580 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
17581 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
17582 \tcn=\tcl \na=0 \nb=0
17583 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
17584 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
17585 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
17586 \ifnum\na=0\ifnum\nb=0
17587     \setbox\waslice=\vbox to\vpic{\vss}
17588     \setbox\wbslice=\vbox to\vpic{\vss}
17589     \bl=1\br=1
17590     \vskip\ilg
17591 \fi\fi
17592 %
17593 % both sides
17594 %
17595 \ifnum\na>0 \ifnum\nb>0
17596 \loop\advance\nb -1
17597 \advance\na -1
17598 \if@RTL%
17599 \setbox\bslice=\vsplit\holder to\baselineskip
17600 \prune\bslice\rtside
17601 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
17602 to\rtside{\box\bslice\hfil}}
17603 \setbox\aslice=\vsplit\holder to\baselineskip
17604 \prune\aslice\lftside
17605 \setbox\waslice=\vbox{\unvbox\waslice\hbox
17606 to\lftside{\box\aslice\hfil}}
17607 \else%
17608 \setbox\aslice=\vsplit\holder to\baselineskip
17609 \prune\aslice\lftside
17610 \setbox\waslice=\vbox{\unvbox\waslice\hbox

```



```

17611 to\lftside{\box\aslice\hfil}}
17612 \setbox\bslice=\vsplit\holder to\baselineskip
17613 \prune\bslice\rtside
17614 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
17615 to\rtside{\box\bslice\hfil}}
17616 \fi%
17617 \ifnum\nb>0\repeat
17618 \fi\fi
17619 %
17620 % only text on the left side
17621 %
17622 \ifnum\na>0
17623   \loop\advance\na -1
17624   \setbox\aslice=\vsplit\holder to\baselineskip
17625   \prune\aslice\lftside
17626   \setbox\waslice=\vbox{\unvbox\waslice\hbox
17627   to\lftside{\box\aslice\hfil}}
17628   \ifdim\ht\holder>0pt\repeat
17629 \fi
17630 %
17631 % only text on the right side
17632 %
17633 \ifnum\nb>0
17634   \loop\advance\nb -1
17635   \setbox\bslice=\vsplit\holder to\baselineskip
17636   \prune\bslice\rtside
17637   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
17638   to\rtside{\box\bslice\hfil}}
17639   \ifdim\ht\holder>0pt\repeat
17640 \fi
17641 %
17642 % fixing the dimensions of the window part
17643 %
17644 \ifnum\bl=0\topheight=\ht\wbslice
17645 \else\ifnum\br=0\topheight=\ht\waslice
17646   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
17647   \else\topheight=\ht\wbslice\fi\fi\fi
17648 %
17649 % ship out the window material to the main vertical list
17650 %
17651 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
17652 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
17653 \fi\fi\fi
17654 \setbox>windowbox=\vbox{\hbox to\linewidth{%
17655 \ifnum\bl>0\box\waslice\hfill\fi%
17656 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
17657 \vfill\unvbox\picbox%
17658 \ifnum\picwd>0\vfill\fi%
17659 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
17660 \unvbox>windowbox%
17661 \loop
17662 \setbox\bslice=\vsplit\rawtext to\baselineskip
17663 \prune\bslice\linewidth
17664 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}

```



```

17665 \unvbox\wbslice
17666 \ifdim\ht\rawtext>0pt
17667 \repeat
17668 }% FINITO

```

124 File plain-xetex-bidi.def

```

17669 \def\TeXeTOn{\TeXeTstate=1 }
17670 \def\TeXeTOff{\TeXeTstate=0 }
17671 \TeXeTOn
17672 \def\usebox#1{\leavevmode\copy #1\relax}
17673 \def\bidir@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
17674 \let\bidir@o@everypar=\everypar
17675 \newtoks\bidir@n@everypar
17676 \bidir@n@everypar\expandafter{\the\bidir@o@everypar}
17677 \bidir@o@everypar{\bidir@RTL@everypar\the\bidir@n@everypar}
17678 \let\everypar=\bidir@n@everypar
17679 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
17680 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
17681 \protected\def\hboxR{\hbox\bgroup
17682 \everyhbox{%
17683 \aftergroup\egroup
17684 \everyhbox{}}%
17685 \beginR
17686 \@hboxRconstructtrue
17687 \bgroup
17688 \aftergroup\endR
17689 \aftergroup\egroup
17690 }\hbox}
17691 \protected\def\hboxL{\hbox\bgroup
17692 \everyhbox{%
17693 \aftergroup\egroup
17694 \everyhbox{}}%
17695 \beginL
17696 \@hboxRconstructfalse
17697 \bgroup
17698 \aftergroup\endL
17699 \aftergroup\egroup
17700 }\hbox}
17701 \protected\def\vboxR{\vbox\bgroup
17702 \everyvbox{%
17703 \aftergroup\egroup
17704 \everyvbox{}}%
17705 \@RTLtrue
17706 \bgroup
17707 \aftergroup\egroup
17708 }\vbox}
17709 \protected\def\vboxL{\vbox\bgroup
17710 \everyvbox{%
17711 \aftergroup\egroup
17712 \everyvbox{}}%
17713 \@RTLfalse
17714 \bgroup
17715 \aftergroup\egroup

```



```

17716 } \vbox}
17717 \def \LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
17718 \def \endLTR{\par}
17719 \def \RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
17720 \def \endRTL{\par}
17721 \def \setRTL{\@RTLtrue\@RTL@footnotetrue}
17722 \def \setLTR{\@RTLfalse\@RTL@footnotefalse}
17723 \let \unsetRTL=\setRTL
17724 \let \unsetLTR=\setLTR
17725 \let \LR=\LRE
17726 \let \RL=\RLE
17727 \def \@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
17728 \def \@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
17729 \let \@ensure@RL=\@ensure@RTL
17730 \let \@ensure@LR=\@ensure@LTR
17731 \def \@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
17732 \let \@ensure@maindir=\@ensure@dir
17733 \def \@@RTL{RTL}
17734 \def \@@LTR{LTR}
17735 \def \save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
17736 \def \reset@dir{\ifx\saved@@dir\@@RTL\setRTL\else\ifx\saved@@dir\@@LTR\setLTR\else\relax\fi}
17737 \let \@@TeX\TeX
17738 \def \TeX{\@ensure@LTR{\@@TeX}}
17739 \def \pagecontents{\ifvoid\topins\else\unvbox\topins\fi}
17740 \dimen@=\dp\cclv \unvbox\cclv % open up \box255
17741 \ifvoid\footins\else % footnote info is present
17742 \vskip\skip\footins
17743 \footnoterule
17744 \unvbox\footins\fi
17745 \ifrggedbottom \kern-\dimen@ \vfil \fi
17746 \ifvoid\@bidi@copyins@
17747 \else
17748 \vskip\skip\@bidi@copyins@
17749 \unvbox\@bidi@copyins@
17750 \fi
17751 }
17752 \long\def \bidi@reflect@box#1{%
17753 \leavevmode
17754 \setbox\z@\hbox{#1}}%
17755 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
17756 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
17757 }
17758 \def \XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
17759 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
17760 \let \setRL=\setRTL
17761 \let \setLR=\setLTR
17762 \let \unsetRL=\setLTR
17763 \let \bidi@saved@eqno=\eqno
17764 \let \bidi@saved@leqno=\leqno
17765 \def \eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
17766 \def \leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
17767 \def \centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
17768 \def \leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
17769 \def \rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```



125 File pstricks-xetex-bidi.def

```

17770 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
17771 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
17772 \def\endpspicture{%
17773   \ifshowgrid\ifnum\showgridp>0
17774     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
17775   \pst@killglue
17776 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
17777   \endgroup
17778   \egroup
17779   \ifdim\wd\pst@hbox=\z@ \else
17780     %\@pstrickserr{Extraneous space in the pspicture environment}%
17781     %\Type \space <return> \space to proceed.}%
17782   \fi
17783   \ht\pst@hbox=\pst@dimd
17784   \dp\pst@hbox=-\pst@dimb
17785   \setbox\pst@hbox=\hbox{%
17786     \kern-\pst@dima
17787 %   Orig version -----
17788 %\ifx\pst@tempa\@empty\else
17789 %\advance\pst@dimd-\pst@dimb
17790 %\pst@dimd=\pst@tempa\pst@dimd
17791 %\advance\pst@dimd\pst@dimb
17792 %\lower\pst@dimd
17793 %\fi
17794 %----- end Orig
17795   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
17796   \advance\pst@dimd-\pst@dimb
17797   \pst@dimd=0.5\pst@dimd
17798   \else\pst@dimd-\pst@shift\fi
17799   \advance\pst@dimd\pst@dimb
17800   \lower\pst@dimd
17801   \box\pst@hbox
17802   \kern\pst@dimc}%
17803   \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
17804   \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
17805   \fboxsep=0pt
17806   \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
17807   \ifmmode\else\endL\fi
17808   \endgroup%
17809   \psset[pstricks]{shift=0}% reset value
17810 }

```

126 File quotchap-xetex-bidi.def

```

17811 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
17812 \renewcommand{\qauthor}[1]{%
17813   \par\smallskip
17814   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}
17815 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
17816   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
17817     {\chapnumfont
17818       \ifnum \c@secnumdepth >\m@ne%

```



```

17819         \if@mainmatter\thechapter%
17820         \fi\fi
17821         \par\nobreak}%
17822         {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi}
17823     \nobreak\chapterheadendvskip}}
17824 \renewcommand*{\@iprintcites}{%
17825     \vbox to\z@{\leavevmode\copy\@quotebox\vss}
17826     \global\let\@printcites\relax}

```

127 File ragged2e-xetex-bidi.def

```

17827 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
17828 \renewcommand{\Centering}{%
17829     \ifx\\ \@raggedtwoe@savedcr
17830         \let\\ \@centercr
17831     \fi
17832     \let\@gnewline\@raggedtwoe@gnewline
17833     \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
17834     \@rightskip\CenteringRightskip
17835     \if@RTL\leftskip\else\rightskip\fi\@rightskip
17836     \parfillskip\CenteringParfillskip
17837     \parindent\CenteringParindent
17838     \@raggedtwoe@spaceskiptrue
17839     \@raggedtwoe@everyselectfont
17840 }
17841 \renewcommand{\RaggedLeft}{%
17842     \ifx\\ \@raggedtwoe@savedcr
17843         \let\\ \@centercr
17844     \fi
17845     \let\@gnewline\@raggedtwoe@gnewline
17846     \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
17847     \@rightskip\RaggedLeftRightskip
17848     \if@RTL\leftskip\else\rightskip\fi\@rightskip
17849     \parfillskip\RaggedLeftParfillskip
17850     \parindent\RaggedLeftParindent
17851     \@raggedtwoe@spaceskiptrue
17852     \@raggedtwoe@everyselectfont
17853 }
17854 \renewcommand{\RaggedRight}{%
17855     \ifx\\ \@raggedtwoe@savedcr
17856         \let\\ \@centercr
17857     \fi
17858     \let\@gnewline\@raggedtwoe@gnewline
17859     \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
17860     \@rightskip\RaggedRightRightskip
17861     \if@RTL\leftskip\else\rightskip\fi\@rightskip
17862     \parfillskip\RaggedRightParfillskip
17863     \parindent\RaggedRightParindent
17864     \@raggedtwoe@spaceskiptrue
17865     \@raggedtwoe@everyselectfont
17866 }
17867 \renewcommand{\justifying}{%
17868     \let\\ \@raggedtwoe@savedcr
17869     \let\@gnewline\@raggedtwoe@saved@gnewline

```



```

17870 \if@RTL\rightskip\else\leftskip\fi\z@
17871 \@rightskip\z@
17872 \if@RTL\leftskip\else\rightskip\fi\@rightskip
17873 \parfillskip\JustifyingParfillskip
17874 \parindent\JustifyingParindent
17875 \@raggedtwo@spaceskipfalse
17876 \@raggedtwo@everyselectfont
17877 }
17878 \def\@raggedtwo@raggedrightboxes@opt{%
17879 \renewcommand{\@arrayparboxrestore}{%
17880 \let\if@nobreak\iffalse
17881 \let\if@noskipsec\iffalse
17882 \let\par\@par
17883 \let\-\@dischyph
17884 \let'\@acci\let`\@accii\let\=\@acciii
17885 \parskip\z@skip
17886 \everypar{}%
17887 \linewidth\hsize
17888 \@totalleftmargin\z@
17889 \if@RTL
17890 \RaggedLeft
17891 \else
17892 \RaggedRight
17893 \fi
17894 \lineskip\normallineskip
17895 \baselineskip\normalbaselineskip
17896 \sloppy}%
17897 \let\@raggedtwo@raggedrightboxes@opt\relax
17898 }
17899 \def\@raggedtwo@document@opt{%
17900 \AtBeginDocument{\@raggedtwo@abdhook}%
17901 \@raggedtwo@raggedrightboxes@opt
17902 \@raggedtwo@footmisctrue
17903 \let\@raggedtwo@document@opt\relax
17904 }
17905 \def\@raggedtwo@abdhook{%
17906 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
17907 right to left documents and '\string\RaggedRight' for left
17908 to right documents}%
17909 \if@RTL
17910 \RaggedLeft
17911 \else
17912 \RaggedRight
17913 \fi
17914 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
17915 \let\@raggedtwo@abdhook\relax
17916 }
17917 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
17918 \@raggedtwo@raggedrightboxes@opt
17919 }{}
17920 \@ifpackagewith{ragged2e}{document}{%
17921 \@raggedtwo@document@opt
17922 }{}
17923 \let\originRaggedLeft=\RaggedLeft

```




```

17924 \let\origin@RaggedRight=\RaggedRight
17925 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
17926 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

128 File rapport1-xetex-bidi.def

```

17927 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
17928 \renewenvironment{theindex}{%
17929   \if@twocolumn
17930     \@restonecolfalse
17931   \else
17932     \@restonecoltrue
17933   \fi
17934   \columnseprule \z@
17935   \columnsep 35\p@
17936   \twocolumn[\@makeschapterhead{\indexname}]%
17937   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
17938   \thispagestyle{plain}\parindent\z@
17939   \parskip\z@ \@plus .3\p@\relax
17940   \let\item\@idxitem
17941 }{%
17942   \if@restonecol\onecolumn\else\clearpage\fi}
17943 \renewcommand*{\head@style}{%
17944   \interlinepenalty \@M
17945   \hyphenpenalty=\@M \exhyphenpenalty=\@M
17946   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
17947 \if@titlepage
17948   \renewenvironment{abstract}{%
17949     \titlepage
17950     \null\vfil
17951     \section*{\SectFont\abstractname}%
17952     \noindent\ignorespaces}
17953   {\par\vfil\null\endtitlepage}
17954 \else
17955   \renewenvironment{abstract}{%
17956     \if@twocolumn
17957       \section*{\abstractname}%
17958     \else
17959       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
17960       \section*{\small\SectFont\abstractname}%
17961       \noindent\ignorespaces
17962     \fi}
17963   {\if@twocolumn\else\par\egroup\fi}
17964 \fi
17965 \renewcommand*{\regtocline}[3]{%
17966   \ifnum #1>\c@tocdepth
17967   \else
17968     \vskip\z@\@plus.2\p@
17969     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
17970     \if@RTL\rightskip\else\leftskip\fi\unitindent
17971     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
17972     \parfillskip\z@
17973     \@tempdima\unitindent
17974     \parindent\z@

```



```

17975 \leavevmode
17976 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
17977 \hskip 1em \nobreak{\slshape #3}\par
17978 }%
17979 \fi}
17980 \if@oldtoc
17981 \renewcommand*\l@part[2]{%
17982 \ifnum \c@tocdepth >-2\relax
17983 \addpenalty{-\@highpenalty}%
17984 \addvspace{2.25em \@plus\p@}%
17985 \begingroup
17986 \setlength\@tempdima{3em}%
17987 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17988 \parfillskip -\@pnumwidth
17989 {\leavevmode
17990 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
17991 \nobreak
17992 \global\@nobreaktrue
17993 \everypar{\global\@nobreakfalse\everypar{}}%
17994 \endgroup
17995 \fi}
17996 \else
17997 \renewcommand*\l@part{%
17998 \ifnum \c@tocdepth >-2\relax
17999 \addpenalty{-\@highpenalty}%
18000 \addvspace{2.25em \@plus \p@}%
18001 \@regtocline{0}%
18002 \fi}
18003 \fi
18004 \if@oldtoc
18005 \renewcommand*\l@chapter[2]{%
18006 \addpenalty{-\@highpenalty}%
18007 \vskip 1.0em \@plus\p@
18008 \setlength\@tempdima{1.5em}%
18009 \begingroup
18010 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18011 \parfillskip -\@pnumwidth
18012 \leavevmode \bfseries
18013 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
18014 \hskip -\if@RTL\rightskip\else\leftskip\fi
18015 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
18016 \penalty\@highpenalty
18017 \endgroup}
18018 \else
18019 \renewcommand*\l@chapter{\@regtocline{0}}
18020 \fi
18021 \renewcommand*\left@footnoterule{%
18022 \kern-3\p@
18023 \kern.5\baselineskip
18024 \hrule\@width\unitindent
18025 \kern.4\baselineskip
18026 }
18027 \renewcommand*\right@footnoterule{%
18028 \kern-3\p@

```



```

18029 \kern.5\baselineskip
18030 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
18031 \kern.4\baselineskip}
18032 \renewenvironment{thebibliography}[1]
18033     {\chapter*{\bibname}%
18034      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
18035      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18036      \bidi@thebibliography@font@hook%
18037      \list{\@biblabel{\@arabic\c@enumiv}}%
18038          {\settowidth\labelwidth{\@biblabel{#1}}%
18039           \leftmargin\labelwidth
18040           \advance\leftmargin\labelsep
18041           \@openbib@code
18042           \usecounter{enumiv}%
18043           \let\p@enumiv\@empty
18044           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
18045      \sloppy\clubpenalty4000\widowpenalty4000%
18046      \sfcode\.\@m}
18047     {\def\@noitemerr
18048      {\@latex@warning{Empty `thebibliography' environment}}}%
18049     \endlist}
18050 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
18051 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
18052 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
18053 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18054 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
18055 \renewcommand*\theequation{%
18056 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
18057 \renewcommand*\thefigure{%
18058 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
18059 \renewcommand*\thetable{%
18060 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
18061 \if@titlepage
18062 \renewcommand*\TitleFont{\rmfamily}
18063 \renewcommand*\maketitle{%
18064 \begin{titlepage}%
18065 \let\footnotesize\small
18066 \let\right@footnoterule\relax
18067 \let\left@footnoterule\relax
18068 \let\textwidth\footnoterule\relax
18069 \let \footnote \thanks
18070 \long\def\@makefntext##1{\parindent\z@
18071 \def\labelitemi{\textendash}\@revlabeltrue
18072 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
18073 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18074 \if@compatibility\setcounter{page}{0}\fi
18075 \null\vfil
18076 \vskip 60\p@
18077 \begin{center}%
18078 \TitleFont
18079 {\LARGE \def\\{\penalty -\@M}
18080 \if@allcaps
18081 \expandafter\uc\nothanks\@title\thanks\relax
18082 \else

```



```

18083         \@title
18084         \fi\par}%
18085     \vskip 3em%
18086     {\large
18087         \lineskip .75em \parindent\z@
18088         \begin{tabular}[t]{c}%
18089             \if@allcaps
18090                 \expandafter\uc@authornothanks\@author\and\relax
18091             \else
18092                 \@author
18093             \fi
18094         \end{tabular}\par}%
18095     \vskip 1.5em%
18096     {\large
18097         \if@allcaps
18098             \uppercase\expandafter{\@date}%
18099         \else
18100             \@date
18101         \fi\par}%
18102     \end{center}\par
18103     \@thanks
18104     \vfil\null
18105 \end{titlepage}%
18106 \setcounter{footnote}{0}%
18107 \global\let\thanks\relax
18108 \global\let\maketitle\relax
18109 \global\let\@thanks\@empty
18110 \global\let\@author\@empty
18111 \global\let\@title\@empty
18112 \global\let\@date\@empty
18113 \global\let\title\relax
18114 \global\let\author\relax
18115 \global\let\date\relax
18116 \global\let\and\relax
18117 }
18118 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
18119 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
18120     \futurelet\@tempa\uc@ax}
18121 \def\uc@ax{%
18122     \ifx\@tempa\relax
18123     \else
18124         \ \andname \ \ \expandafter\uc@authornothanks
18125     \fi}
18126 \def\uc@tx{\ifx\@tempa\relax
18127     \else \expandafter\uc@ty \fi}
18128 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
18129 \else
18130 \renewcommand*\maketitle{\par
18131     \begin{group
18132         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18133         \def\@makefnmark{\rlap{%
18134             \@textsuperscript{\normalfont\@thefnmark}}}%
18135         \long\def\@makefntext{\@xmakefntext{%
18136             \@textsuperscript{\normalfont\@thefnmark}}}%

```



```

18137 \if@twocolumn
18138 \ifnum \col@number=\@ne
18139 \maketitle
18140 \else
18141 \twocolumn[\maketitle]%
18142 \fi
18143 \else
18144 \newpage
18145 \global\@topnum\z@
18146 \maketitle
18147 \fi
18148 \thispagestyle{plain}\@thanks
18149 \endgroup
18150 \setcounter{footnote}{0}%
18151 \global\let\thanks\relax
18152 \global\let\maketitle\relax
18153 \global\let\@maketitle\relax
18154 \global\let\@thanks\@empty
18155 \global\let\@author\@empty
18156 \global\let\@title\@empty
18157 \global\let\@date\@empty
18158 \global\let\title\relax
18159 \global\let\author\relax
18160 \global\let\date\relax
18161 \global\let\and\relax
18162 }
18163 \def\maketitle{%
18164 \newpage
18165 \null
18166 \vskip 2em%
18167 \begin{center}%
18168 \let \footnote \thanks
18169 {\LARGE \TitleFont \@title \par}%
18170 \vskip 1.5em%
18171 {\large \TitleFont
18172 \lineskip .5em%
18173 \begin{tabular}[t]{c}%
18174 \author
18175 \end{tabular}\par}%
18176 \vskip 1em%
18177 {\large \TitleFont \@date}%
18178 \end{center}%
18179 \par
18180 \vskip 1.5em}
18181 \fi

```

129 File rapport3-xetex-bidi.def

```

18182 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
18183 \renewenvironment{theindex}{%
18184 \if@twocolumn
18185 \restonecolfalse
18186 \else
18187 \restonecoltrue

```



```

18188 \fi
18189 \columnseprule \z@
18190 \columnsep 35\p@
18191 \twocolumn[\@makeschapterhead{\indexname}]%
18192 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
18193 \thispagestyle{plain}\parindent\z@
18194 \parskip\z@ \@plus .3\p@\relax
18195 \let\item\@idxitem
18196 }{%
18197 \if@restonecol\onecolumn\else\clearpage\fi}
18198 \if@titlepage
18199 \renewcommand*\TitleFont{\rmfamily}
18200 \renewcommand*\maketitle{%
18201 \begin{titlepage}%
18202 \let\footnotesize\small
18203 \let\right@footnoterule\relax
18204 \let\left@footnoterule\relax
18205 \let\textwidth\footnoterule\relax
18206 \let \footnote \thanks
18207 \let \LTRfootnote \LTRthanks
18208 \let \RTLfootnote \RTLthanks
18209 \long\def\@makefnctext##1{\parindent\z@
18210 \def\labelitemi{\textendash}\@revlabeltrue
18211 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
18212 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18213 \if@compatibility\setcounter{page}{0}\fi
18214 \null\vfil
18215 \vskip 60\p@
18216 \begin{center}%
18217 \TitleFont
18218 {\LARGE \def\{\{\penalty -\@M}
18219 \if@allcaps
18220 \expandafter\uc@nothanks\@title\thanks\relax
18221 \else
18222 \@title
18223 \fi\par}%
18224 \vskip 3em%
18225 {\large
18226 \lineskip .75em \parindent\z@
18227 \begin{tabular}[t]{c}%
18228 \if@allcaps
18229 \expandafter\uc@authornothanks\@author\and\relax
18230 \else
18231 \@author
18232 \fi
18233 \end{tabular}\par}%
18234 \vskip 1.5em%
18235 {\large
18236 \if@allcaps
18237 \uppercase\expandafter{\@date}%
18238 \else
18239 \@date
18240 \fi\par}%
18241 \end{center}\par

```



```

18242 \thanks
18243 \vfil\null
18244 \end{titlepage}%
18245 \setcounter{footnote}{0}%
18246 \global\let\thanks\relax
18247 \global\let\LTRthanks\relax
18248 \global\let\RTLthanks\relax
18249 \global\let\maketitle\relax
18250 \global\let\@thanks\@empty
18251 \global\let\@author\@empty
18252 \global\let\@title\@empty
18253 \global\let\@date\@empty
18254 \global\let\title\relax
18255 \global\let\author\relax
18256 \global\let\date\relax
18257 \global\let\and\relax
18258 }
18259 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
18260 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
18261 \futurelet\@tempa\uc@ax}
18262 \def\uc@ax{%
18263 \ifx\@tempa\relax
18264 \else
18265 \\\andname \\\expandafter\uc@authornothanks
18266 \fi}
18267 \def\uc@tx{\ifx\@tempa\relax
18268 \else \expandafter\uc@ty \fi}
18269 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
18270 \else
18271 \renewcommand*\maketitle{\par
18272 \begingroup
18273 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18274 \def\@makefnmark{\rlap{%
18275 \@textsuperscript{\normalfont\@thefnmark}}}%
18276 \long\def\@makefntext{\@xmakefntext{%
18277 \@textsuperscript{\normalfont\@thefnmark}}}%
18278 \if@twocolumn
18279 \ifnum \col@number=\@one
18280 \@maketitle
18281 \else
18282 \twocolumn[\@maketitle]%
18283 \fi
18284 \else
18285 \newpage
18286 \global\@topnum\z@
18287 \@maketitle
18288 \fi
18289 \thispagestyle{plain}\@thanks
18290 \endgroup
18291 \setcounter{footnote}{0}%
18292 \global\let\thanks\relax
18293 \global\let\LTRthanks\relax
18294 \global\let\RTLthanks\relax
18295 \global\let\maketitle\relax

```



```

18296 \global\let\@maketitle\relax
18297 \global\let\@thanks\@empty
18298 \global\let\@author\@empty
18299 \global\let\@title\@empty
18300 \global\let\@date\@empty
18301 \global\let\title\relax
18302 \global\let\author\relax
18303 \global\let\date\relax
18304 \global\let\and\relax
18305 }
18306 \def\@maketitle{%
18307 \newpage
18308 \null
18309 \vskip 2em%
18310 \if@titlecentered
18311 \begin{center}%
18312 \let \footnote \thanks
18313 \let \LTRfootnote \LTRthanks
18314 \let \RTLfootnote \RTLthanks
18315 {\LARGE \TitleFont \@title \par}%
18316 \vskip 1.5em%
18317 {\large \TitleFont
18318 \lineskip .5em%
18319 \begin{tabular}[t]{c}%
18320 \@author
18321 \end{tabular}\par}%
18322 \vskip 1em%
18323 {\large \TitleFont \@date}%
18324 \end{center}%
18325 \else
18326 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
18327 {\large \TitleFont \lineskip .5em \tabcolsep\z@
18328 \def\and{%% \begin{tabular} has already started
18329 \end{tabular}\hskip 1em plus .17fil
18330 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabu
18331 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}%
18332 \vskip 1em {\large \TitleFont \@date}
18333 \fi
18334 \par
18335 \vskip 1.5em}
18336 \fi
18337 \renewcommand*\@regtocline[3]{%
18338 \ifnum #1>\c@tocdepth
18339 \else
18340 \vskip\z@\@plus.2\p@
18341 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
18342 \if@RTL\righskip\else\leftskip\fi\unitindent
18343 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
18344 \parfillskip\z@
18345 \@tempdima\unitindent
18346 \parindent\z@
18347 \leavevmode
18348 \hbox{} \hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
18349 \hskip 1em \nobreak{\slshape #3}\par

```




```

18350     }%
18351   \fi}
18352 \if@oldtoc
18353 \renewcommand*\l@part[2]{%
18354   \ifnum \c@tocdepth >-2\relax
18355     \addpenalty{-\@highpenalty}%
18356     \addvspace{2.25em \@plus\p@}%
18357     \begingroup
18358       \setlength\@tempdima{3em}%
18359       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18360       \parfillskip -\@pnumwidth
18361       {\leavevmode
18362         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
18363         \nobreak
18364         \global\@nobreaktrue
18365         \everypar{\global\@nobreakfalse\everypar{}}%
18366       \endgroup
18367   \fi}
18368 \else
18369   \renewcommand*\l@part{%
18370     \ifnum \c@tocdepth >-2\relax
18371       \addpenalty{-\@highpenalty}%
18372       \addvspace{2.25em \@plus \p@}%
18373       \@regtocline{0}%
18374     \fi}
18375 \fi
18376 \if@oldtoc
18377 \renewcommand*\l@chapter[2]{%
18378   \addpenalty{-\@highpenalty}%
18379   \vskip 1.0em \@plus\p@
18380   \setlength\@tempdima{1.5em}%
18381   \begingroup
18382     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18383     \parfillskip -\@pnumwidth
18384     \leavevmode \bfseries
18385     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
18386     \hskip -\if@RTL\rightskip\else\leftskip\fi
18387     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
18388     \penalty\@highpenalty
18389   \endgroup}
18390 \else
18391   \renewcommand*\l@chapter{\@regtocline{0}}
18392 \fi
18393 \renewcommand*\head@style{%
18394   \interlinepenalty \@M
18395   \hyphenpenalty=\@M \exhyphenpenalty=\@M
18396   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
18397 \if@titlepage
18398   \renewenvironment{abstract}{%
18399     \titlepage
18400     \null\vfil
18401     \section*{\SectFont\abstractname}%
18402     \noindent\ignorespaces}
18403   {\par\vfil\null\endtitlepage}

```



```

18404 \else
18405 \renewenvironment{abstract}{%
18406     \if@twocolumn
18407         \section*{\abstractname}%
18408     \else
18409         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
18410         \section*{\small\SectFont\abstractname}%
18411         \noindent\ignorespaces
18412     \fi}
18413     {\if@twocolumn\else\par\egroup\fi}
18414 \fi
18415 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
18416 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
18417 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
18418 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18419 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
18420 \renewcommand*\thefigure{%
18421     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
18422 \renewcommand*\thetable{%
18423     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
18424 \renewcommand*\theequation{%
18425     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
18426 \renewenvironment{thebibliography}[1]
18427     {\chapter*{\bibname}%
18428     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
18429     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18430     \bidi@thebibliography@font@hook%
18431     \list{\@biblabel{\@arabic\c@enumiv}}%
18432         {\settowidth\labelwidth{\@biblabel{#1}}%
18433         \leftmargin\labelwidth
18434         \advance\leftmargin\labelsep
18435         \@openbib@code
18436         \usecounter{enumiv}%
18437         \let\p@enumiv\@empty
18438         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
18439     \sloppy\clubpenalty4000\widowpenalty4000%
18440     \sfcode`. \m}
18441     {\def\@noitemerr
18442     {\@latex@warning{Empty `thebibliography' environment}}}%
18443     \endlist}
18444 \renewcommand*\left@footnoterule{%
18445     \kern-3\p@
18446     \kern.5\baselineskip
18447     \hrule\@width\unitindent
18448     \kern.4\baselineskip
18449 }
18450 \renewcommand*\right@footnoterule{%
18451     \kern-3\p@
18452     \kern.5\baselineskip
18453     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
18454     \kern.4\baselineskip}
18455 \renewcommand*\head@style{%
18456     \interlinepenalty \@M
18457     \hyphenpenalty=\@M \exhyphenpenalty=\@M

```



```
18458 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
```

130 File refrep-xetex-bidi.def

```
18459 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
18460 \if@titlepage
18461 \renewcommand\maketitle{\begin{titlepage}%
18462 \let\footnotesize\small
18463 \let\right@footnoterule\relax
18464 \let\left@footnoterule\relax
18465 \let\textwidth@footnoterule\relax
18466 \let\footnote\thanks
18467 \let\LTRfootnote\LTRthanks
18468 \let\RTLfootnote\RTLthanks
18469 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
18470 \def\@makefnmark%
18471 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
18472 \long\def\@makefntext##1{%
18473 \setpar{\@par
18474 \@tempdima = \hsize
18475 \advance\@tempdima -1em
18476 \parshape \@ne 1em \@tempdima}%
18477 \par\parindent 1em \noindent
18478 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
18479 \null\vfil
18480 \vskip 60\p@
18481 \begin{center}%
18482 {\LARGE \@title \par}%
18483 \vskip 3em%
18484 {\large
18485 \lineskip .75em%
18486 \begin{tabular}[t]{c}%
18487 \@author
18488 \end{tabular}\par}%
18489 \vskip 1.5em%
18490 {\large \@date \par}% % Set date in \large size.
18491 \end{center}\par
18492 \@thanks
18493 \vfil\null
18494 \end{titlepage}%
18495 \setcounter{footnote}{0}%
18496 \global\let\thanks\relax
18497 \global\let\LTRthanks\relax
18498 \global\let\RTLthanks\relax
18499 \global\let\maketitle\relax
18500 \global\let\@thanks\@empty
18501 \global\let\@author\@empty
18502 \global\let\@date\@empty
18503 \global\let\@title\@empty
18504 \global\let\title\relax
18505 \global\let\author\relax
18506 \global\let\date\relax
18507 \global\let\and\relax
18508 }
```



```

18509 \else
18510   \renewcommand\maketitle{\par
18511     \begin{group}
18512       \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
18513       \def\@makefnmark%
18514         {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
18515       \long\def\@makefnmark##1{%
18516         \setpar{\@par
18517           \tempdima = \hsize
18518           \advance\tempdima -1em
18519           \parshape \c@one 1em \tempdima}%
18520         \par\parindent 1em \noindent
18521         \hb@xt@z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
18522       \if@twocolumn
18523         \ifnum \col@number=\c@one
18524           \maketitle
18525         \else
18526           \twocolumn[\maketitle]%
18527         \fi
18528       \else
18529         \newpage
18530         \global\@topnum\z@ % Prevents figures from going at top of page.
18531         \maketitle
18532       \fi
18533       \thispagestyle{empty}\@thanks
18534     \end{group}
18535     \setcounter{footnote}{0}%
18536     \global\let\thanks\relax
18537     \global\let\LTRthanks\relax
18538     \global\let\RTLthanks\relax
18539     \global\let\maketitle\relax
18540     \global\let\@maketitle\relax
18541     \global\let\@thanks\@empty
18542     \global\let\@author\@empty
18543     \global\let\@date\@empty
18544     \global\let\@title\@empty
18545     \global\let\title\relax
18546     \global\let\author\relax
18547     \global\let\date\relax
18548     \global\let\and\relax
18549 }
18550 \def\@maketitle{%
18551   \newpage
18552   \null
18553   \longthickrule\vskip1.5em%
18554   \let \footnote \thanks
18555   \let \LTRfootnote \LTRthanks
18556   \let \RTLfootnote \RTLthanks
18557   {\secshape \parskip\z@ \parindent\z@
18558   \Large\bfseries \@title \par}%
18559   \vskip1.5em\longthickrule\vskip1.5em%
18560   {\normalsize
18561     \lineskip .5em%
18562     \begin{flushright}%

```



```

18563      {\slshape\@author\par}
18564      \vskip 1em%
18565      {\@date}%
18566      \end{flushright}\par}%
18567      \vskip 1.5em}
18568 \fi
18569 \renewcommand*\l@part[2]{%
18570   \ifnum \c@tocdepth >-2\relax
18571     \addpenalty{-\@highpenalty}%
18572     \addvspace{2.25em \@plus\p@}%
18573     \begingroup
18574       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18575       \parfillskip -\@pnumwidth
18576       {\leavevmode
18577        \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
18578        \nobreak
18579        \global\@nobreaktrue
18580        \everypar{\global\@nobreakfalse\everypar{}}%
18581      \endgroup
18582   \fi}
18583 \renewcommand*\l@chapter[2]{%
18584   \ifnum \c@tocdepth >\m@ne
18585     \addpenalty{-\@highpenalty}%
18586     \vskip 1.0em \@plus\p@
18587     \setlength\@tempdima{1.5em}%
18588     \begingroup
18589       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18590       \parfillskip -\@pnumwidth
18591       \leavevmode \bfseries
18592       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
18593       \hskip -\if@RTL\rightskip\else\leftskip\fi
18594       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
18595       \penalty\@highpenalty
18596     \endgroup
18597   \fi}
18598 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
18599                      \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
18600                      \hyphenpenalty=2000}
18601 \renewcommand\left@footnoterule{%
18602   \kern-3\p@
18603   \hrule\@width.4\columnwidth
18604   \kern 2.6\p@}
18605 \renewcommand\right@footnoterule{%
18606   \kern-3\p@
18607   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18608   \kern2.6\p@}
18609 \renewcommand\theequation
18610 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
18611 \renewcommand\thefigure
18612 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
18613 \renewcommand\thetable%
18614 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
18615 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
18616 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```



```

18617 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
18618 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
18619 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
18620 \renewenvironment{thebibliography}[1]
18621     {\chapter*{\bibname
18622         \mkboth{\bibname}{\bibname}}%
18623         \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
18624         \bidi@thebibliography@font@hook%
18625         \list{\@biblabel{\@arabic\c@enumiv}}%
18626             {\settowidth\labelwidth{\@biblabel{#1}}%
18627             \leftmargin\labelwidth
18628             \advance\leftmargin\labelsep
18629             \@openbib@code
18630             \usecounter{enumiv}%
18631             \let\p@enumiv\@empty
18632             \renewcommand\theenumiv{\@arabic\c@enumiv}}%
18633             \sloppy
18634             \clubpenalty4000
18635             \@clubpenalty \clubpenalty
18636             \widowpenalty4000%
18637         \sfcode`\.=\@m}
18638     {\def\@noitemerr
18639         {\@latex@warning{Empty `thebibliography' environment}}}%
18640     \endlist}

```

131 File report-xetex-bidi.def

```

18641 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report cl
18642 \renewenvironment{theindex}
18643     {\if@twocolumn
18644         \@restonecolfalse
18645         \else
18646             \@restonecoltrue
18647             \fi
18648         \columnseprule \z@
18649         \columnsep 35\p@
18650         \twocolumn[\@makeschapterhead{\indexname}]%
18651         \@mkboth{\MakeUppercase\indexname}%
18652             {\MakeUppercase\indexname}%
18653         \thispagestyle{plain}\parindent\z@
18654         \parskip\z@ \@plus .3\p@\relax
18655         \let\item\@idxitem}
18656     {\if@restonecol\onecolumn\else\clearpage\fi}
18657 \if@titlepage
18658 \renewcommand\maketitle{\begin{titlepage}%
18659 \let\footnotesize\small
18660 \let\right@footnoterule\relax
18661 \let\left@footnoterule\relax
18662 \let\textwidth\footnoterule\relax
18663 \let \footnote \thanks
18664 \let \LTRfootnote \LTRthanks
18665 \let \RTLfootnote \RTLthanks
18666 \null\vfil
18667 \vskip 60\p@

```



```

18668 \begin{center}%
18669   {\LARGE \@title \par}%
18670   \vskip 3em%
18671   {\large
18672     \lineskip .75em%
18673     \begin{tabular}[t]{c}%
18674       \@author
18675     \end{tabular}\par}%
18676   \vskip 1.5em%
18677   {\large \@date \par}%           % Set date in \large size.
18678 \end{center}\par
18679 \@thanks
18680 \vfil\null
18681 \end{titlepage}%
18682 \setcounter{footnote}{0}%
18683 \global\let\thanks\relax
18684 \global\let\LTRthanks\relax
18685 \global\let\RTLthanks\relax
18686 \global\let\maketitle\relax
18687 \global\let\@thanks\@empty
18688 \global\let\@author\@empty
18689 \global\let\@date\@empty
18690 \global\let\@title\@empty
18691 \global\let\title\relax
18692 \global\let\author\relax
18693 \global\let\date\relax
18694 \global\let\and\relax
18695 }
18696 \else
18697 \renewcommand\maketitle{\par
18698   \begingroup
18699     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
18700     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
18701     \long\def\@makefntext##1{\parindent 1em\noindent
18702       \hb@xt@1.8em{\%
18703         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
18704     \if@twocolumn
18705       \ifnum \col@number=\@one
18706         \@maketitle
18707       \else
18708         \twocolumn[\@maketitle]%
18709       \fi
18710     \else
18711       \newpage
18712       \global\@topnum\z@   % Prevents figures from going at top of page.
18713       \@maketitle
18714     \fi
18715     \thispagestyle{plain}\@thanks
18716   \endgroup
18717   \setcounter{footnote}{0}%
18718   \global\let\thanks\relax
18719   \global\let\LTRthanks\relax
18720   \global\let\RTLthanks\relax
18721   \global\let\maketitle\relax

```



```

18722 \global\let\@maketitle\relax
18723 \global\let\@thanks\@empty
18724 \global\let\@author\@empty
18725 \global\let\@date\@empty
18726 \global\let\@title\@empty
18727 \global\let\title\relax
18728 \global\let\author\relax
18729 \global\let\date\relax
18730 \global\let\and\relax
18731 }
18732 \def\@maketitle{%
18733 \newpage
18734 \null
18735 \vskip 2em%
18736 \begin{center}%
18737 \let \footnote \thanks
18738 \let \LTRfootnote \LTRthanks
18739 \let \RTLfootnote \RTLthanks
18740 {\LARGE \@title \par}%
18741 \vskip 1.5em%
18742 {\large
18743 \lineskip .5em%
18744 \begin{tabular}[t]{c}%
18745 \@author
18746 \end{tabular}\par}%
18747 \vskip 1em%
18748 {\large \@date}%
18749 \end{center}%
18750 \par
18751 \vskip 1.5em}
18752 \fi
18753 \renewcommand*\l@part[2]{%
18754 \ifnum \c@tocdepth >-2\relax
18755 \addpenalty{-\@highpenalty}%
18756 \addvspace{2.25em \@plus\p@}%
18757 \setlength\@tempdima{3em}%
18758 \begingroup
18759 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18760 \parfillskip -\@pnumwidth
18761 {\leavevmode
18762 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
18763 \nobreak
18764 \global\@nobreaktrue
18765 \everypar{\global\@nobreakfalse\everypar{}}%
18766 \endgroup
18767 \fi}
18768 \renewcommand*\l@chapter[2]{%
18769 \ifnum \c@tocdepth >\m@ne
18770 \addpenalty{-\@highpenalty}%
18771 \vskip 1.0em \@plus\p@
18772 \setlength\@tempdima{1.5em}%
18773 \begingroup
18774 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
18775 \parfillskip -\@pnumwidth

```




```

18776 \leavevmode \bfseries
18777 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
18778 \hskip -\if@RTL\righskip\else\leftskip\fi
18779 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
18780 \penalty\@highpenalty
18781 \endgroup
18782 \fi}
18783 \renewcommand\left@footnoterule{%
18784 \kern-3\p@
18785 \hrule\@width.4\columnwidth
18786 \kern2.6\p@}
18787 \renewcommand\right@footnoterule{%
18788 \kern-3\p@
18789 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18790 \kern2.6\p@}
18791 \renewcommand\theequation
18792 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
18793 \renewcommand \thefigure
18794 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
18795 \renewcommand \thetable
18796 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
18797 \renewcommand \thechapter {\@arabic\c@chapter}
18798 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
18799 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
18800 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
18801 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
18802 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
18803 \def\@makechapterhead#1{%
18804 \vspace*{50\p@}%
18805 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
18806 \ifnum \c@secnumdepth >\m@ne
18807 \huge\bfseries \@chapapp\space \thechapter
18808 \par\nobreak
18809 \vskip 20\p@
18810 \fi
18811 \interlinepenalty\@M
18812 \Huge \bfseries #1\par\nobreak
18813 \vskip 40\p@
18814 }}
18815 \def\@makeschapterhead#1{%
18816 \vspace*{50\p@}%
18817 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
18818 \normalfont
18819 \interlinepenalty\@M
18820 \Huge \bfseries #1\par\nobreak
18821 \vskip 40\p@
18822 }}
18823 \renewenvironment{thebibliography}[1]
18824 {\chapter*{\bibname}%
18825 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
18826 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18827 \bidi@thebibliography@font@hook%
18828 \list{\@biblabel{\@arabic\c@enumiv}}%
18829 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

18830         \leftmargin\labelwidth
18831         \advance\leftmargin\labelsep
18832         \@openbib@code
18833         \usecounter{enumiv}%
18834         \let\p@enumiv\@empty
18835         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
18836     \sloppy
18837     \clubpenalty4000
18838     \@clubpenalty \clubpenalty
18839     \widowpenalty4000%
18840     \sfcode`. \@m}
18841 {\def\@noitemerr
18842   {\@latex@warning{Empty `thebibliography' environment}}}%
18843   \endlist}

```

132 File rotating-xetex-bidi.def

```

18844 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
18845 \def\end@rotfloat{%
18846   \end{minipage}\end{lrbox}%
18847   \stepcounter{r@tfl@t}%
18848   \rot@label{RF\ther@tfl@t}%
18849   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
18850   \edef\@tempa{Adding sideways \@c@type\space on page \R@@page\space}
18851   \rot@mess@toks\expandafter{\@tempa}
18852   \wd\rot@float@box\z@
18853   \ht\rot@float@box\z@
18854   \dp\rot@float@box\z@
18855   \vboxL to \textheight{%
18856     \setkeys{Grot}{units=360}%
18857     \if@rot@twoside
18858     \else
18859       \let\R@@page\rot@LR
18860     \fi
18861     \ifthenelse{\isodd{\R@@page}}{%
18862       \if@rot@twoside
18863         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
18864       \fi
18865       \vfill
18866       \@@line{%
18867         \hskip\rotFPtop
18868         \rotatebox{90}{\box\rot@float@box}%
18869         \hskip\rotFPbot
18870       }%
18871     }{%
18872       \if@rot@twoside
18873         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
18874       \fi
18875       \@@line{%
18876         \hskip\rotFPbot
18877         \rotatebox{-90}{\box\rot@float@box}%
18878         \hskip\rotFPtop
18879       }%
18880     }

```



```

18881 }%
18882 \rot@message{\the\rot@mess@toks}
18883 }%
18884 \end@float
18885 }
18886 \let\endsidewaysfigure\end@rotfloat
18887 \let\endsidewaystable\end@rotfloat
18888 \def\end@rotdblfloat{%
18889 \end{minipage}\end{lrbox}%
18890 \stepcounter{r@tfl@t}%
18891 \rot@label{RF\ther@tfl@t}%
18892 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
18893 \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
18894 \rot@mess@toks\expandafter{\@tempa}
18895 \@tempdima\ht\rot@float@box
18896 \advance\@tempdima by \dp\rot@float@box
18897 \wd\rot@float@box\z@
18898 \ht\rot@float@box\z@
18899 \dp\rot@float@box\z@
18900 \vboxL to \textheight{%
18901 \setkeys{Grot}{units=360}%
18902 \if@rot@twoside
18903 \else
18904 \let\R@@page\rot@LR
18905 \fi
18906 \ifthenelse{\isodd{\R@@page}}{%
18907 \ifrot@messages
18908 \if@rot@twoside
18909 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
18910 \fi
18911 \fi
18912 \vfill
18913 \@@line{%
18914 \hskip\rotFPtop
18915 \rotatebox{90}{\box\rot@float@box}%
18916 \hskip\rotFPbot
18917 }%
18918 }{%
18919 \ifrot@messages
18920 \if@rot@twoside
18921 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
18922 \fi
18923 \fi%
18924 \@@line{%
18925 \hskip\rotFPbot
18926 \rotatebox{-90}{\box\rot@float@box}%
18927 \hskip\rotFPtop
18928 }%
18929 \vfill
18930 }%
18931 \rot@message{\the\rot@mess@toks}%
18932 }%
18933 \end@dblfloat
18934 }

```



```

18935 \def\turn#1{%
18936   \Grot@setangle{#1}%
18937   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
18938 \def\endturn{%
18939   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
18940   \unskip\color@endbox
18941   \Grot@x\z@
18942   \Grot@y\z@
18943   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
18944 }
18945 \def\rotate#1{%
18946   \Grot@setangle{#1}%
18947   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
18948 \def\endrotate{%
18949   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
18950   \unskip\color@endbox
18951   \Grot@x\z@
18952   \Grot@y\z@
18953   \wd0\z@\dp0\z@\ht0\z@
18954   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
18955 }
18956 \def\turnbox#1#2{%
18957   \Grot@setangle{#1}%
18958   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
18959   \Grot@x\z@\Grot@y\z@
18960   \wd0\z@\dp0\z@\ht0\z@
18961   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
18962 }
18963 \def\sideways{%
18964   \Grot@setangle{90}%
18965   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
18966 \def\endsideways{%
18967   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
18968   \unskip\color@endbox
18969   \Grot@x\z@
18970   \Grot@y\z@
18971   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
18972 }

```

133 File scrartcl-xetex-bidi.def

```

18973 \ProvidesFile{scrartcl-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrartcl class f
18974 \newcommand{\scr@saved@LTRfootnotetext}{}
18975 \newcommand{\scr@saved@RTLfootnotetext}{}
18976 \let\scr@saved@footnotetext\@footnotetext
18977 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18978 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18979 \renewcommand{\@footnotetext}[1]{%
18980   \scr@saved@footnotetext{#1}%
18981   \csname FN@mfb@prepare\endcsname
18982 }
18983 \renewcommand{\@LTRfootnotetext}[1]{%
18984   \scr@saved@LTRfootnotetext{#1}%
18985   \csname FN@mfb@prepare\endcsname

```



```

18986 }
18987 \renewcommand{\@RTLfootnotetext}[1]{%
18988   \scr@saved@RTLfootnotetext{#1}%
18989   \csname FN@mfb@prepare\endcsname
18990 }
18991 \renewcommand\deffootnote[4][1]{%
18992   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
18993     \long\def\@makefntext##1{%
18994       \ExecuteDoHook{footnote/text/begin}%
18995       \raggedfootnote
18996       \if@RTL
18997         \rightskip
18998       \else
18999         \leftskip
19000       \fi
19001       #2
19002       \l@addto@macro\@trivlist{%
19003         \ifnum\@listdepth=\@ne
19004           \if@RTL
19005             \advance\rightmargin #2\relax
19006           \else
19007             \advance\leftmargin #2\relax
19008           \fi
19009         \fi
19010       }%
19011       \parindent #3\noindent
19012       \IfArgIsEmpty{#1}{-}{%
19013         \hskip \dimexpr #1-#2\relax
19014       }%
19015       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19016       \ExecuteDoHook{footnote/text/end}%
19017     }%
19018   \else
19019     \ClassInfo{\KOMAClassName}{%
19020       Using old \string\@makefntext\space due to compatibility
19021       level\MessageBreak
19022       less than 3.22}%
19023     \long\def\@makefntext##1{%
19024       \setlength{\@tempdimc}{#3}%
19025       \def\@tempa{#1}\ifx\@tempa\@empty
19026         \@setpar{\@@par
19027           \@tempdima = \hsize
19028           \addtolength{\@tempdima}{-#2}%
19029           \if@RTL
19030             \parshape \@ne \z@ \@tempdima
19031           \else
19032             \parshape \@ne #2 \@tempdima
19033           \fi}%
19034       \else
19035         \addtolength{\@tempdimc}{#2}%
19036         \addtolength{\@tempdimc}{-#1}%
19037         \@setpar{\@@par
19038           \@tempdima = \hsize
19039           \addtolength{\@tempdima}{-#1}%

```



```

19040         \@tempdimb = \hspace
19041         \addtolength{\@tempdimb}{-#2}%
19042         \if@RTL
19043             \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
19044         \else
19045             \parshape \tw@ #1 \@tempdima #2 \@tempdimb
19046         \fi
19047     }%
19048 \fi
19049 \par
19050 \parindent\@tempdimc\noindent
19051 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19052 }%
19053 \fi
19054 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
19055 }
19056 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
19057 \renewcommand*\left@footnoterule{%
19058     \normalsize\ftn@rule@test@values
19059     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19060     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19061     {\usekomafont{footnoterule}{%
19062         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
19063     \kern 2.6\p@}
19064 \renewcommand*\right@footnoterule{%
19065     \normalsize\ftn@rule@test@values
19066     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19067     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19068     {\usekomafont{footnoterule}{%
19069         \hbox to \columnwidth{\hspace \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
19070     \kern 2.6\p@}
19071 \renewcommand*\maketitle[1][1]{%
19072     \expandafter\ifnum \c@name scr@v3.12\endcsname>\scr@compatibility\relax
19073     \else
19074         \def\and{%
19075             \end{tabular}%
19076             \hspace 1em \@plus.17fil%
19077             \begin{tabular}[t]{c}%
19078         }%
19079 \fi
19080 \if@titlepage
19081     \begin{titlepage}
19082         \setcounter{page}{%
19083             #1%
19084         }%
19085     \if@titlepageiscoverpage
19086         \edef\t@titlepage@restore{%
19087             \noexpand\endgroup
19088             \noexpand\global\noexpand\@colht\the\@colht
19089             \noexpand\global\noexpand\@colroom\the\@colroom
19090             \noexpand\global\vs@the\the\vs@the
19091             \noexpand\global\noexpand\@titlepageiscoverpagefalse
19092             \noexpand\let\noexpand\t@titlepage@restore\noexpand\relax
19093         }%

```



```

19094 \begingroup
19095 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
19096 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
19097 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
19098 \textwidth=\dimexpr
19099 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
19100 \textheight=\dimexpr
19101 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
19102 \headheight=0pt
19103 \headsep=0pt
19104 \footskip=\baselineskip
19105 \@colht=\textheight
19106 \@colroom=\textheight
19107 \vsize=\textheight
19108 \columnwidth=\textwidth
19109 \hsize=\columnwidth
19110 \linewidth=\hsize
19111 \else
19112 \let\tITLEPAGE@restore\relax
19113 \fi
19114 \let\footnotesize\small
19115 \let\right@footnoterule\relax
19116 \let\left@footnoterule\relax
19117 \let\textwidth@footnoterule\relax
19118 \let\footnote\thanks
19119 \let\LTRfootnote\LTRthanks
19120 \let\RTLfootnote\RTLthanks
19121 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19122 \let\@oldmakefnmark\@makefnmark
19123 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
19124 \ifx\@extratitle\@empty
19125 \ifx\@frontispiece\@empty
19126 \else
19127 \if@twoside\mbox{}\next@tpage\fi
19128 \noindent\@frontispiece\next@tdpage
19129 \fi
19130 \else
19131 \noindent\@extratitle
19132 \ifx\@frontispiece\@empty
19133 \else
19134 \next@tpage
19135 \noindent\@frontispiece
19136 \fi
19137 \next@tdpage
19138 \fi
19139 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
19140 \ifx\@titlehead\@empty \else
19141 \begin{minipage}[t]{\textwidth}%
19142 \usekomafont{titlehead}{\@titlehead\par}%
19143 \end{minipage}\par
19144 \fi
19145 \null\vfill
19146 \begin{center}
19147 \ifx\@subject\@empty \else

```



```

19148         {\usekomafont{subject}{\@subject\par}}%
19149         \vskip 3em
19150     \fi
19151     {\usekomafont{title}{\huge \@title\par}}%
19152     \vskip 1em
19153     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
19154     \vskip 2em
19155     {%
19156         \usekomafont{author}{%
19157             \lineskip 0.75em
19158             \begin{tabular}[t]{c}
19159                 \@author
19160             \end{tabular}\par
19161         }%
19162     }%
19163     \vskip 1.5em
19164     {\usekomafont{date}{\@date \par}}%
19165     \vskip \z@ \@plus3fill
19166     {\usekomafont{publishers}{\@publishers \par}}%
19167     \vskip 3em
19168     \end{center}\par
19169     \@thanks\global\let\@thanks\@empty
19170     \vfill\null
19171     \if@twoside
19172         \@tempswatrue
19173         \expandafter\ifnum \@nameuse{scr@v03.12}>\scr@compatibility\relax
19174         \else
19175             \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
19176                 \@tempswafalse
19177             \fi\fi
19178         \fi
19179         \if@tempswa
19180             \next@tpage
19181             \begin{minipage}[t]{\textwidth}
19182                 \@uppertitleback
19183             \end{minipage}\par
19184             \vfill
19185             \begin{minipage}[b]{\textwidth}
19186                 \@lowertitleback
19187             \end{minipage}\par
19188             \@thanks\global\let\@thanks\@empty
19189         \fi
19190     \else
19191         \ifx\@uppertitleback\@empty\else
19192             \ClassWarning{\KOMAClassName}{%
19193                 non empty \string\uppertitleback\space ignored
19194                 by \string\maketitle\MessageBreak
19195                 in `twoside=false' mode%
19196             }%
19197         \fi
19198         \ifx\@lowertitleback\@empty\else
19199             \ClassWarning{\KOMAClassName}{%
19200                 non empty \string\lowertitleback\space ignored
19201                 by \string\maketitle\MessageBreak

```




```

19202         in `twoside=false' mode%
19203     }%
19204     \fi
19205 \fi
19206 \ifx\@dedication\@empty
19207 \else
19208     \next@tdpage\null\vfill
19209     {\centering\usekomafont{dedication}{\@dedication \par}}%
19210     \vskip \z@ \@plus3fill
19211     \@thanks\global\let\@thanks\@empty
19212     \cleardoubleemptypage
19213 \fi
19214 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
19215 \end{titlepage}
19216 \else
19217     \par
19218     \@tempcnta=%
19219     #1%
19220     \relax\ifnum\@tempcnta=1\else
19221         \ClassWarning{\KOMAClassName}{%
19222             Optional argument of \string\maketitle\space ignored\MessageBreak
19223             in `titlepage=false' mode%
19224         }%
19225     \fi
19226     \ifx\@uppertitleback\@empty\else
19227         \ClassWarning{\KOMAClassName}{%
19228             non empty \string\uppertitleback\space ignored
19229             by \string\maketitle\MessageBreak
19230             in `titlepage=false' mode%
19231         }%
19232     \fi
19233     \ifx\@lowertitleback\@empty\else
19234         \ClassWarning{\KOMAClassName}{%
19235             non empty \string\lowertitleback\space ignored
19236             by \string\maketitle\MessageBreak
19237             in `titlepage=false' mode%
19238         }%
19239     \fi
19240 \beginngroup
19241     \let\titlepage@restore\relax
19242     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19243     \let\@oldmakefnmark\@makefnmark
19244     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
19245     \next@tdpage
19246     \if@twocolumn
19247         \ifnum \col@number=\@one
19248             \ifx\@extratitle\@empty
19249                 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19250             \else
19251                 \@makeextratitle
19252             \fi
19253             \ifx\@frontispiece\@empty
19254                 \ifx\@extratitle\@empty\else\next@tdpage\fi
19255             \else

```



```

19256         \next@tpage
19257         \@makefrontispiece
19258         \next@tdpage
19259     \fi
19260     \@maketitle
19261 \else
19262     \ifx\@extratitle\@empty
19263         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19264     \else
19265         \twocolumn[\@makeextratitle]%
19266     \fi
19267     \ifx\@frontispiece\@empty
19268         \ifx\@extratitle\@empty\else\next@tdpage\fi
19269     \else
19270         \next@tpage
19271         \twocolumn[\@makefrontispiece]%
19272         \next@tdpage
19273     \fi
19274     \twocolumn[\@maketitle]%
19275 \fi
19276 \else
19277     \ifx\@extratitle\@empty
19278         \ifx\@frontispiece\@empty\else \mbox{}\fi
19279     \else
19280         \@makeextratitle
19281     \fi
19282     \ifx\@frontispiece\@empty
19283         \ifx\@extratitle\@empty\else\next@tdpage\fi
19284     \else
19285         \next@tpage
19286         \@makefrontispiece
19287         \next@tdpage
19288     \fi
19289     \@maketitle
19290 \fi
19291 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
19292 \@thanks\global\let\@thanks\@empty
19293 \endgroup
19294 \fi
19295 \setcounter{footnote}{0}%
19296 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
19297     \let\thanks\relax
19298     \let\LTRthanks\relax
19299     \let\RTLthanks\relax
19300     \let\maketitle\relax
19301     \let\@maketitle\relax
19302     \global\let\@thanks\@empty
19303     \global\let\@author\@empty
19304     \global\let\@date\@empty
19305     \global\let\@title\@empty
19306     \global\let\@subtitle\@empty
19307     \global\let\@extratitle\@empty
19308     \global\let\@frontispiece\@empty
19309     \global\let\@titlehead\@empty

```



```

19310 \global\let\@subject\@empty
19311 \global\let\@publishers\@empty
19312 \global\let\@uppertitleback\@empty
19313 \global\let\@lowertitleback\@empty
19314 \global\let\@dedication\@empty
19315 \global\let\author\relax
19316 \global\let\title\relax
19317 \global\let\extratitle\relax
19318 \global\let\titlehead\relax
19319 \global\let\subject\relax
19320 \global\let\publishers\relax
19321 \global\let\uppertitleback\relax
19322 \global\let\lowertitleback\relax
19323 \global\let\dedication\relax
19324 \global\let\date\relax
19325 \fi
19326 \global\let\and\relax
19327 }%
19328 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
19329 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
19330 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
19331 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
19332 \renewcommand*{\thesubsubsection}{%
19333 \thesubsection\@SepMark\@arabic\c@subsubsection
19334 }
19335 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
19336 \renewcommand*{\thesubparagraph}{%
19337 \theparagraph\@SepMark\@arabic\c@subparagraph
19338 }
19339 \renewenvironment{thebibliography}[1]{%
19340 \if@bib@break@
19341 \bib@beginhook
19342 \else
19343 \bib@heading
19344 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
19345 \noindent\bibpreamble\par\nobreak
19346 \fi\fi
19347 \bib@beginhook
19348 \bib@before@hook
19349 \fi
19350 \renewcommand{\BreakBibliography}[1]{%
19351 \@bib@break
19352 \end{thebibliography}%
19353 \begingroup ##1\endgroup
19354 \begin{thebibliography}{#1}
19355 }%
19356 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19357 \bidi@thebibliography@font@hook%
19358 \list{%
19359 \@biblabel{\@arabic\c@enumiv}%
19360 }{%
19361 \settowidth\labelwidth{\@biblabel{#1}}%
19362 \leftmargin\labelwidth
19363 \advance\leftmargin\labelsep

```



```

19364 \openbib@code
19365 \if@bib@break@
19366 \edef\@tempa{%
19367 \noexpand\usecounter{enumiv}%
19368 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
19369 }\@tempa
19370 \no@bib@break
19371 \else
19372 \usecounter{enumiv}%
19373 \fi
19374 \let\p@enumiv\@empty
19375 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
19376 }%
19377 \sloppy\clubpenalty4000 \widowpenalty4000
19378 \sfcode`\.\=\@m
19379 }{%
19380 \if@bib@break@
19381 \def\@noitemerr{%
19382 \@latex@warning{%
19383 \string\BreakBibliography\space at begin of `thebibliography'
19384 environment\MessageBreak
19385 or following \string\BreakBibliography}%
19386 }%
19387 \else
19388 \def\@noitemerr{%
19389 \@latex@warning{%
19390 Empty `thebibliography' environment or
19391 \string\BreakBibliography\MessageBreak
19392 before end of `thebibliography' environment}%
19393 }%
19394 \fi
19395 \endlist
19396 \if@bib@break@
19397 \else
19398 \bib@after@hook
19399 \let\bib@before@hook\@empty
19400 \let\bib@after@hook\@empty
19401 \fi
19402 \bib@endhook
19403 }
19404 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
19405 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
19406 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
19407 \renewcommand\marginline[1]{%
19408 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}
19409 }
19410 \renewcommand{\@makecaption}[3]{%
19411 \cap@margin
19412 \begin@group
19413 \ifonelinecaptions
19414 \def\stepcounter##1{\advance\value{##1}\@ne}%
19415 \let\refstepcounter\stepcounter
19416 \let\label\@gobble
19417 \let\@footnotetext=\@gobble

```



```

19418 \let\@LTRfootnotetext=\@gobble
19419 \let\@RTLfootnotetext=\@gobble
19420 \let\hypertarget\@gobbletwo
19421 \edef\@xnewline{%
19422   \unexpanded{\ClassInfo{\KOMAClassName}{%
19423     Workaround for not recommended usage of \string\\ or\MessageBreak
19424     \string\newline in caption text
19425   }}%
19426   \hspace*{\linewidth}\hspace{1sp}%
19427 }%
19428 \unexpanded\expandafter{\@xnewline}%
19429 }%
19430 \edef\@xcentercr{%
19431   \unexpanded{\ClassInfo{\KOMAClassName}{%
19432     Workaround for not recommended usage of \string\\ or\MessageBreak
19433     \string\newline in caption text
19434   }}%
19435   \hspace*{\linewidth}\hspace{1sp}%
19436 }%
19437 \unexpanded\expandafter{\@xcentercr}%
19438 }%
19439 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
19440 \ifdim\@tempdima>\cap@width
19441   \aftergroup\scr@makemultilinecaption
19442 \else
19443   \aftergroup\scr@makesinglelinecaption
19444 \fi
19445 \else
19446   \aftergroup\scr@makemultilinecaption
19447 \fi
19448 \endgroup
19449 {#1}{#2}{#3}%
19450 }
19451 \renewcommand{\scr@makesinglelinecaption}[3]{%
19452   {%
19453     \usefontofkomafont{caption}{%
19454       \hb@xt@{\hsize{%
19455         \cap@left
19456         \if@RTL
19457           \beginR
19458           \fi
19459           \scr@makesinglelinecaption{#1}{#2}{#3}%
19460           \if@RTL
19461             \endR
19462           \fi
19463           \cap@right
19464         }\par\kern\dp\strutbox%
19465       }}%
19466     }\kern-\dp\strutbox
19467 }
19468 \renewcommand{\@makecaption}[2]{%
19469   \if@captionabove
19470     \vskip\belowcaptionskip
19471   \else

```



```

19472 \vskip\abovecaptionskip
19473 \fi
19474 \@makecaption\@firstofone{#1}{#2}%
19475 \if@captionabove
19476 \vskip\abovecaptionskip
19477 \else
19478 \vskip\belowcaptionskip
19479 \fi
19480 }
19481
19482 \renewcommand{\scr@makesinglelinecaption}[3]{%
19483   {\usekomafont{caption}{\strut\ignorespaces
19484     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
19485     \ignorespaces #3\unskip}}%
19486 }
19487
19488 \renewcommand{\scr@makemultilinecaption}[3]{%
19489   {%
19490     \usefontofkomafont{caption}{%
19491       \hb@xt@\hsize{%
19492         \cap@left
19493         \vbox{\hsize\cap@width\linewidth\hsize
19494           \scr@ifundefinedorrelax{@captype}{%
19495             \ClassWarning{\KOMAClassName}{%
19496               '\string\caption' outside float.\MessageBreak
19497               Seems you are using '\string\caption' outside a
19498               float.\MessageBreak
19499               Maybe you are using a package that uses
19500               '\string\@makecaption'\MessageBreak
19501               without setting '\string\@captype' before.\MessageBreak
19502               Because I cannot detect the caption type, I'm using\MessageBreak
19503               the empty one.%
19504             }%
19505             \let\@captype\@empty
19506           }{}%
19507           \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
19508             \@nameuse{ragged\@captype caption}%
19509           }%
19510           \ifdofullc@p
19511             \@hangfrom{%
19512               \strut
19513               \scr@smashdp{%
19514                 #1{%
19515                   \usekomafont{caption}{%
19516                     \usekomafont{captionlabel}{#2\captionformat}%
19517                   }%
19518                 }%
19519               }%
19520             }%
19521             {\usekomafont{caption}{#3\scr@endstrut}}\par}%
19522           \else
19523             \ifdim\cap@indent<\z@
19524               \strut
19525               #1{%

```



```

19526         {\usekomafont{caption}{%
19527           \usekomafont{captionlabel}{#2\captionformat}%
19528         }%
19529       }\par}%
19530       \noindent{\usekomafont{caption}{%
19531         \hspace*{-\cap@indent}#3\scr@endstrut
19532       }}\par}%
19533     \else
19534       \if@capbreak
19535         \strut
19536         #1{%
19537           {\usekomafont{caption}{%
19538             \usekomafont{captionlabel}{#2\captionformat}%
19539           }%
19540         }\par}%
19541         \noindent\@hangfrom{\hspace*{\cap@indent}}%
19542         {\usekomafont{caption}{#3\scr@endstrut}}\par}%
19543       \else
19544         \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
19545         {%
19546           \hspace*{-\cap@indent}%
19547           \scr@smashdp{%
19548             #1{\usekomafont{caption}{%
19549               \usekomafont{captionlabel}{#2\captionformat}%
19550             }%
19551           }%
19552         }%
19553         {\usekomafont{caption}{#3\scr@endstrut}}\par}%
19554       }%
19555     \fi
19556   \fi
19557 \fi
19558 }%
19559 \cap@right
19560 }\par\kern\dp\strutbox
19561 }%
19562 }\kern-\dp\strutbox
19563 }
19564
19565 \bidi@AfterFile{longtable-xetex-bidi.def}{%
19566   \if@komalongtable
19567     \renewcommand{\LT@makecaption}[3]{%
19568       \noalign{%
19569         \if@captionabove
19570           \vskip\belowcaptionskip
19571         \else
19572           \vskip\abovecaptionskip
19573         \fi
19574       }%
19575       \LT@mcol\LT@cols c{%
19576         \hbox to\z@{\hss\parbox[t]{\linewidth}{%
19577           \def\@capytype{table}%
19578           \@makecaption{#1}{#2}{#3}%
19579         }\endgraf

```



```

19580         \if@captionabove
19581             \vskip\abovecaptionskip
19582         \else
19583             \vskip\belowcaptionskip
19584         \fi
19585     }%
19586     \hss
19587 }%
19588 }%
19589 }%
19590 \renewcommand*{\scr@LT@array}{}%
19591 \let\scr@LT@array=\LT@array
19592 \renewcommand*{\LT@array}{%
19593     \let\scr@caption=\LT@caption
19594     \def\captionabove{\noalign{\global\@captionabovetrue}%
19595         \scr@caption}%
19596     \def\captionbelow{\noalign{\global\@captionabovetrue}%
19597         \scr@caption}%
19598     \if@tablecaptionabove
19599         \let\LT@caption=\captionabove
19600     \else
19601         \let\LT@caption=\captionbelow
19602     \fi
19603     \scr@LT@array
19604 }%
19605 \ClassInfo{\KOMAClassName}{%
19606     longtable captions redefined%
19607 }%
19608 \fi
19609 }
19610
19611 \CloneTOCEntryStyle{tocline}{part}
19612 \TOCEntryStyleStartInitCode{part}{%
19613     \expandafter\renewcommand%
19614     \csname scr@tso@#1@linefill\endcsname{\hfill}%
19615     \expandafter\renewcommand%
19616     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
19617     \expandafter\renewcommand%
19618     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19619         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
19620     \expandafter\renewcommand\expandafter*%
19621     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
19622 }
19623
19624 \CloneTOCEntryStyle{tocline}{section}
19625 \TOCEntryStyleStartInitCode{section}{%
19626     \expandafter\renewcommand%
19627     \csname scr@tso@#1@linefill\endcsname{%
19628         \if@sectionentrywithdots
19629             {\usekomafont{sectionentrydots}{\TOCLineLeaderFill}}\relax
19630         \else
19631             \hfill
19632         \fi
19633     }%

```




```

19634 \expandafter\renewcommand%
19635 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}}%
19636 \expandafter\renewcommand%
19637 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{
19638 \expandafter\renewcommand\expandafter*%
19639 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
19640 }
19641
19642 \CloneTOCEntryStyle{tocline}{subsection}
19643 \TOCEntryStyleStartInitCode{subsection}{%
19644 \expandafter\renewcommand%
19645 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19646 \expandafter\renewcommand%
19647 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19648 {\normalfont\normalcolor ##1}}%
19649 }
19650
19651 \CloneTOCEntryStyle{subsection}{default}
19652
19653 \DeclareSectionCommand[%
19654 style=section,%
19655 level=1,%
19656 indent=\z@,%
19657 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
19658 afterskip=2.3ex \@plus .2ex,%
19659 tocstyle=section,%
19660 tocindent=0pt,%
19661 tocnumwidth=1.5em%
19662 ]{section}
19663 \DeclareSectionCommand[%
19664 style=part,%
19665 level=\z@,%
19666 tocstyle=part,%
19667 toclevel=\m@ne,%
19668 tocindent=\z@,%
19669 tocnumwidth=2em%
19670 ]{part}
19671 \DeclareSectionCommand[%
19672 style=section,%
19673 level=2,%
19674 indent=\z@,%
19675 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
19676 afterskip=1.5ex \@plus .2ex,%
19677 tocstyle=subsection,%
19678 tocindent=1.5em,%
19679 tocnumwidth=2.3em%
19680 ]{subsection}
19681 \DeclareSectionCommand[%
19682 style=section,%
19683 level=3,%
19684 indent=\z@,%
19685 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
19686 afterskip=1.5ex \@plus .2ex,%
19687 tocstyle=subsection,%

```



```

19688   tocindent=3.8em,%
19689   tocnumwidth=3.2em%
19690 ]{subsubsection}
19691 \DeclareSectionCommand[%
19692   style=section,%
19693   level=4,%
19694   indent=\z@,%
19695   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
19696   afterskip=-1em,%
19697   tocstyle=subsection,%
19698   tocindentfollows=subsubsection,%
19699   tocindent=7.0em,%
19700   tocnumwidth=4.1em%
19701 ]{paragraph}
19702 \DeclareSectionCommand[%
19703   style=section,%
19704   level=5,%
19705   indent=\scr@parindent,%
19706   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
19707   afterskip=-1em,%
19708   tocstyle=subsection,%
19709   tocindent=10em,%
19710   tocnumwidth=5em%
19711 ]{subparagraph}

```

134 File scrbook-xetex-bidi.def

```

19712 \ProvidesFile{scrbook-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrbook class for
19713 \newcommand{\scr@saved@LTRfootnotetext}{}
19714 \newcommand{\scr@saved@RTLfootnotetext}{}
19715 \let\scr@saved@footnotetext\@footnotetext
19716 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
19717 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
19718 \renewcommand{\@footnotetext}[1]{%
19719   \scr@saved@footnotetext{#1}%
19720   \csname FN@mf@prepare\endcsname
19721 }
19722 \renewcommand{\@LTRfootnotetext}[1]{%
19723   \scr@saved@LTRfootnotetext{#1}%
19724   \csname FN@mf@prepare\endcsname
19725 }
19726 \renewcommand{\@RTLfootnotetext}[1]{%
19727   \scr@saved@RTLfootnotetext{#1}%
19728   \csname FN@mf@prepare\endcsname
19729 }
19730 \renewcommand\deffootnote[4][1]{%
19731   \expandafter\ifnum\scr@v@is@ge{3.22}\relax
19732     \long\def\@makefntext##1{%
19733       \ExecuteDoHook{footnote/text/begin}%
19734       \raggedfootnote
19735       \if@RTL
19736         \rightskip
19737       \else
19738         \leftskip

```



```

19739 \fi
19740 #2
19741 \l@addto@macro\@trivlist{%
19742 \ifnum\@listdepth=\@ne\advance
19743 \if@RTL
19744 \rightmargin #2\relax
19745 \else
19746 \leftmargin #2\relax
19747 \fi
19748 \fi
19749 }%
19750 \parindent #3\noindent
19751 \IfArgIsEmpty{#1}{}%
19752 \hskip \dimexpr #1-#2\relax
19753 }%
19754 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19755 \ExecuteDoHook{footnote/text/end}%
19756 }%
19757 \else
19758 \ClassInfo{\KOMAClassName}{%
19759 Using old \string\@makefnmark\space due to compatibility
19760 level\MessageBreak
19761 less than 3.22}%
19762 \long\def\@makefnmark##1{%
19763 \setlength{\@tempdimc}{#3}%
19764 \def\@tempa{#1}\ifx\@tempa\@empty
19765 \setpar{\@par
19766 \@tempdima = \hsize
19767 \addtolength{\@tempdima}{-#2}%
19768 \if@RTL
19769 \parshape \@ne \z@ \@tempdima
19770 \else
19771 \parshape \@ne #2 \@tempdima
19772 \fi
19773 }%
19774 \else
19775 \addtolength{\@tempdimc}{#2}%
19776 \addtolength{\@tempdimc}{-#1}%
19777 \setpar{\@par
19778 \@tempdima = \hsize
19779 \addtolength{\@tempdima}{-#1}%
19780 \@tempdimb = \hsize
19781 \addtolength{\@tempdimb}{-#2}%
19782 \if@RTL
19783 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
19784 \else
19785 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
19786 \fi
19787 }%
19788 \fi
19789 \par
19790 \parindent\@tempdimc\noindent
19791 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
19792 }%

```



```

19793 \fi
19794 \def\@@makefnmark{\hbox{\ftnm@font{#4}}}%
19795 }
19796 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
19797 \renewcommand*\left@footnoterule{%
19798 \normalsize\ftn@rule@test@values
19799 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19800 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19801 {\usekomafont{footnoterule}{%
19802 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}}%
19803 \kern 2.6\p@}
19804 \renewcommand*\right@footnoterule{%
19805 \normalsize\ftn@rule@test@values
19806 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
19807 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
19808 {\usekomafont{footnoterule}{%
19809 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
19810 \kern 2.6\p@}
19811 \renewcommand*\maketitle[1][1]{%
19812 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
19813 \else
19814 \def\and{%
19815 \end{tabular}%
19816 \hskip 1em \@plus.17fil%
19817 \begin{tabular}[t]{c}%
19818 }%
19819 \fi
19820 \if@titlepage
19821 \begin{titlepage}
19822 \setcounter{page}{%
19823 #1%
19824 }%
19825 \if@titlepageiscoverpage
19826 \edef\titlename@restore{%
19827 \noexpand\endgroup
19828 \noexpand\global\noexpand\@colht\the\@colht
19829 \noexpand\global\noexpand\@colroom\the\@colroom
19830 \noexpand\global\vsizethe\vsizethe
19831 \noexpand\global\noexpand\@titlepageiscoverpagefalse
19832 \noexpand\let\noexpand\titlename@restore\noexpand\relax
19833 }%
19834 \begin{group
19835 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
19836 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
19837 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
19838 \textwidth=\dimexpr
19839 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
19840 \textheight=\dimexpr
19841 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
19842 \headheight=0pt
19843 \headsep=0pt
19844 \footskip=\baselineskip
19845 \@colht=\textheight
19846 \@colroom=\textheight

```



```

19847         \vsize=\textheight
19848         \columnwidth=\textwidth
19849         \hsize=\columnwidth
19850         \linewidth=\hsize
19851     \else
19852         \let\tITLEPAGE@restore\relax
19853     \fi
19854     \let\footnotesize\small
19855     \let\right@footnoterule\relax
19856     \let\left@footnoterule\relax
19857     \let\textwidth@footnoterule\relax
19858     \let\footnote\thanks
19859     \let\LTRfootnote\LTRthanks
19860     \let\RTLfootnote\RTLthanks
19861     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19862     \let\@oldmakefnmark\@makefnmark
19863     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
19864     \ifx\@extratitle\@empty
19865         \ifx\@frontispiece\@empty
19866             \else
19867                 \if@twoside\mbox{}\next@tpage\fi
19868                 \noindent\@frontispiece\next@tdpage
19869             \fi
19870         \else
19871             \noindent\@extratitle
19872             \ifx\@frontispiece\@empty
19873                 \else
19874                     \next@tpage
19875                     \noindent\@frontispiece
19876                 \fi
19877                 \next@tdpage
19878             \fi
19879         \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
19880         \ifx\@titlehead\@empty \else
19881             \begin{minipage}[t]{\textwidth}%
19882                 \usekomafont{titlehead}{\@titlehead\par}%
19883             \end{minipage}\par
19884         \fi
19885         \null\vfill
19886         \begin{center}
19887             \ifx\@subject\@empty \else
19888                 {\usekomafont{subject}{\@subject\par}}%
19889                 \vskip 3em
19890             \fi
19891             {\usekomafont{title}{\huge \@title\par}}%
19892             \vskip 1em
19893             {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
19894             \vskip 2em
19895             {%
19896                 \usekomafont{author}{%
19897                     \lineskip 0.75em
19898                     \begin{tabular}[t]{c}
19899                         \@author
19900                     \end{tabular}\par

```



```

19901         }%
19902     }%
19903     \vskip 1.5em
19904     {\usekomafont{date}{\@date \par}}%
19905     \vskip \z@ \@plus3fill
19906     {\usekomafont{publishers}{\@publishers \par}}%
19907     \vskip 3em
19908 \end{center}\par
19909 \@thanks\global\let\@thanks\@empty
19910 \vfill\null
19911 \if@twoside
19912     \@tempswatrue
19913     \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
19914     \else
19915         \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
19916             \@tempswafalse
19917         \fi\fi
19918     \fi
19919     \if@tempswa
19920         \next@tpage
19921         \begin{minipage}[t]{\textwidth}
19922             \@uppertitleback
19923         \end{minipage}\par
19924         \vfill
19925         \begin{minipage}[b]{\textwidth}
19926             \@lowertitleback
19927         \end{minipage}\par
19928         \@thanks\global\let\@thanks\@empty
19929     \fi
19930 \else
19931     \ifx\@uppertitleback\@empty\else
19932         \ClassWarning{\KOMAClassName}{%
19933             non empty \string\uppertitleback\space ignored
19934             by \string\maketitle\MessageBreak
19935             in `twoside=false' mode%
19936         }%
19937     \fi
19938     \ifx\@lowertitleback\@empty\else
19939         \ClassWarning{\KOMAClassName}{%
19940             non empty \string\lowertitleback\space ignored
19941             by \string\maketitle\MessageBreak
19942             in `twoside=false' mode%
19943         }%
19944     \fi
19945 \fi
19946 \ifx\@dedication\@empty
19947 \else
19948     \next@tdpage\null\vfill
19949     {\centering\usekomafont{dedication}{\@dedication \par}}%
19950     \vskip \z@ \@plus3fill
19951     \@thanks\global\let\@thanks\@empty
19952     \cleardoubleemptypage
19953 \fi
19954 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi

```



```

19955 \end{titlepage}
19956 \else
19957 \par
19958 \@tempcnta=%
19959 #1%
19960 \relax\ifnum\@tempcnta=1\else
19961 \ClassWarning{\KOMAClassName}{%
19962 Optional argument of \string\maketitle\space ignored\MessageBreak
19963 in `titlepage=false' mode%
19964 }%
19965 \fi
19966 \ifx\@uppertitleback\@empty\else
19967 \ClassWarning{\KOMAClassName}{%
19968 non empty \string\uppertitleback\space ignored
19969 by \string\maketitle\MessageBreak
19970 in `titlepage=false' mode%
19971 }%
19972 \fi
19973 \ifx\@lowertitleback\@empty\else
19974 \ClassWarning{\KOMAClassName}{%
19975 non empty \string\lowertitleback\space ignored
19976 by \string\maketitle\MessageBreak
19977 in `titlepage=false' mode%
19978 }%
19979 \fi
19980 \begingroup
19981 \let\titlepage@restore\relax
19982 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
19983 \let\@oldmakefnmark\@makefnmark
19984 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
19985 \next@tdpage
19986 \if@twocolumn
19987 \ifnum \col@number=\@ne
19988 \ifx\@extratitle\@empty
19989 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
19990 \else
19991 \@makeextratitle
19992 \fi
19993 \ifx\@frontispiece\@empty
19994 \ifx\@extratitle\@empty\else\next@tdpage\fi
19995 \else
19996 \next@tpage
19997 \@makefrontispiece
19998 \next@tdpage
19999 \fi
20000 \@maketitle
20001 \else
20002 \ifx\@extratitle\@empty
20003 \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20004 \else
20005 \twocolumn[\@makeextratitle]%
20006 \fi
20007 \ifx\@frontispiece\@empty
20008 \ifx\@extratitle\@empty\else\next@tdpage\fi

```



```

20009         \else
20010             \next@tpage
20011             \twocolumn[\@makefrontispiece]%
20012             \next@tdpage
20013         \fi
20014         \twocolumn[\@maketitle]%
20015     \fi
20016 \else
20017     \ifx\@extratitle\@empty
20018     \ifx\@frontispiece\@empty\else \mbox{}\fi
20019 \else
20020     \@makeextratitle
20021 \fi
20022 \ifx\@frontispiece\@empty
20023     \ifx\@extratitle\@empty\else\next@tdpage\fi
20024 \else
20025     \next@tpage
20026     \@makefrontispiece
20027     \next@tdpage
20028 \fi
20029     \@maketitle
20030 \fi
20031 \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
20032 \@thanks\global\let\@thanks\@empty
20033 \endgroup
20034 \fi
20035 \setcounter{footnote}{0}%
20036 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
20037     \let\thanks\relax
20038     \let\LTRthanks\relax
20039     \let\RTLthanks\relax
20040     \let\maketitle\relax
20041     \let\@maketitle\relax
20042     \global\let\@thanks\@empty
20043     \global\let\@author\@empty
20044     \global\let\@date\@empty
20045     \global\let\@title\@empty
20046     \global\let\@subtitle\@empty
20047     \global\let\@extratitle\@empty
20048     \global\let\@frontispiece\@empty
20049     \global\let\@titlehead\@empty
20050     \global\let\@subject\@empty
20051     \global\let\@publishers\@empty
20052     \global\let\@uppertitleback\@empty
20053     \global\let\@lowertitleback\@empty
20054     \global\let\@dedication\@empty
20055     \global\let\author\relax
20056     \global\let\title\relax
20057     \global\let\extratitle\relax
20058     \global\let\titlehead\relax
20059     \global\let\subject\relax
20060     \global\let\publishers\relax
20061     \global\let\uppertitleback\relax
20062     \global\let\lowertitleback\relax

```




```

20063 \global\let\dedication\relax
20064 \global\let\date\relax
20065 \fi
20066 \global\let\and\relax
20067 }%
20068 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
20069 \renewcommand*\autodot{\if@altsecnumformat@SepMark\fi}
20070 \renewcommand*\thesection{%
20071 \expandafter\ifnum\scr@v@is@gt{2.97d}%
20072 \if@mainmatter\thechapter\@SepMark\fi
20073 \else
20074 \thechapter\@SepMark%
20075 \fi
20076 \@arabic\c@section
20077 }
20078 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
20079 \renewcommand*{\thesubsubsection}{%
20080 \thesubsection\@SepMark\@arabic\c@subsubsection
20081 }
20082 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20083 \renewcommand*{\thesubparagraph}{%
20084 \theparagraph\@SepMark\@arabic\c@subparagraph
20085 }
20086 \expandafter\ifnum\scr@v@is@le{2.97d}%
20087 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
20088 \fi
20089 \expandafter\ifnum\scr@v@is@le{2.97d}%
20090 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
20091 \fi
20092 \renewcommand*\theequation{%
20093 \expandafter\ifnum\scr@v@is@gt{2.97d}%
20094 \if@mainmatter\thechapter\@SepMark\fi
20095 \else
20096 \thechapter\@SepMark%
20097 \fi
20098 \@arabic\c@equation
20099 }
20100 \renewenvironment{thebibliography}[1]{%
20101 \if@bib@break@
20102 \bib@beginhook
20103 \else
20104 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
20105 \setchapterpreamble{\bibpreamble}%
20106 \fi\fi
20107 \bib@heading
20108 \bib@beginhook
20109 \bib@before@hook
20110 \fi
20111 \renewcommand{\BreakBibliography}[1]{%
20112 \@bib@break
20113 \end{thebibliography}%
20114 \begingroup ##1\endgroup
20115 \begin{thebibliography}{#1}
20116 }%

```



```

20117 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
20118 \bidi@thebibliography@font@hook%
20119 \list{%
20120 \biblabel{\@arabic\c@enumiv}%
20121 }{%
20122 \settowidth\labelwidth{\@biblabel{#1}}%
20123 \leftmargin\labelwidth
20124 \advance\leftmargin\labelsep
20125 \@openbib@code
20126 \ifbib@break@
20127 \edef\@tempa{%
20128 \noexpand\usecounter{enumiv}%
20129 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
20130 }\@tempa
20131 \no@bib@break
20132 \else
20133 \usecounter{enumiv}%
20134 \fi
20135 \let\p@enumiv\@empty
20136 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
20137 }%
20138 \sloppy\clubpenalty4000 \widowpenalty4000
20139 \sfcode`\.=\@m
20140 }{%
20141 \ifbib@break@
20142 \def\@noitemerr{%
20143 \@latex@warning{%
20144 \string\BreakBibliography\space at begin of `thebibliography'
20145 environment\MessageBreak
20146 or following \string\BreakBibliography}%
20147 }%
20148 \else
20149 \def\@noitemerr{%
20150 \@latex@warning{%
20151 Empty `thebibliography' environment or
20152 \string\BreakBibliography\MessageBreak
20153 before end of `thebibliography' environment}%
20154 }%
20155 \fi
20156 \endlist
20157 \ifbib@break@
20158 \else
20159 \bib@after@hook
20160 \let\bib@before@hook\@empty
20161 \let\bib@after@hook\@empty
20162 \fi
20163 \bib@endhook
20164 }
20165 \renewcommand*\raggeddictum{\ifRTL\raggedright\else\raggedleft\fi}
20166 \renewcommand*\raggeddictumtext{\ifRTL\raggedleft\else\raggedright\fi}
20167 \renewcommand*\raggeddictumauthor{\ifRTL\raggedright\else\raggedleft\fi}
20168 \renewcommand\marginline[1]{%
20169 \marginpar[\ifRTL\raggedright\else\raggedleft\fi{#1}]{\ifRTL\raggedleft\else\raggedright
20170 }

```



```

20171 \renewcommand{\@makecaption}[3]{%
20172   \cap@margin
20173   \begingroup
20174     \ifonelinecaptions
20175       \def\stepcounter##1{\advance\value{##1}\@ne}%
20176       \let\refstepcounter\stepcounter
20177       \let\label\@gobble
20178       \let\@footnotetext=\@gobble
20179       \let\@LTRfootnotetext=\@gobble
20180       \let\@RTLfootnotetext=\@gobble
20181       \let\hypertarget\@gobbletwo
20182       \edef\@xnewline{%
20183         \unexpanded{\ClassInfo{\KOMAClassName}{%
20184           Workaround for not recommended usage of \string\\ or\MessageBreak
20185           \string\newline in caption text
20186         }}%
20187         \hspace*{\linewidth}\hspace{1sp}%
20188       }%
20189       \unexpanded\expandafter{\@xnewline}%
20190     }%
20191     \edef\@xcentercr{%
20192       \unexpanded{\ClassInfo{\KOMAClassName}{%
20193         Workaround for not recommended usage of \string\\ or\MessageBreak
20194         \string\newline in caption text
20195       }}%
20196       \hspace*{\linewidth}\hspace{1sp}%
20197     }%
20198     \unexpanded\expandafter{\@xcentercr}%
20199   }%
20200   \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
20201   \ifdim\@tempdima>\cap@width
20202     \aftergroup\scr@makemultilinecaption
20203   \else
20204     \aftergroup\scr@makesinglelinecaption
20205   \fi
20206   \else
20207     \aftergroup\scr@makemultilinecaption
20208   \fi
20209 \endgroup
20210 {#1}{#2}{#3}%
20211 }
20212 \renewcommand{\scr@makesinglelinecaption}[3]{%
20213   {%
20214     \usefontofkomafont{caption}{%
20215       \hb@xt@{\hsize}{%
20216         \cap@left
20217         \if@RTL
20218           \beginR
20219         \fi
20220         \scr@makesinglelinecaption{#1}{#2}{#3}%
20221         \if@RTL
20222           \endR
20223         \fi
20224         \cap@right

```



```

20225     }\par\kern\dp\strutbox%
20226   }%
20227   }\kern-\dp\strutbox
20228 }
20229 \renewcommand{\@makecaption}[2]{%
20230   \if@captionabove
20231     \vskip\belowcaptionskip
20232   \else
20233     \vskip\abovecaptionskip
20234   \fi
20235   \@makecaption\@firstofone{#1}{#2}%
20236   \if@captionabove
20237     \vskip\abovecaptionskip
20238   \else
20239     \vskip\belowcaptionskip
20240   \fi
20241 }
20242
20243 \renewcommand{\scr@makesinglelinecaption}[3]{%
20244   {\usekomafont{caption}{\strut\ignorespaces
20245     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
20246     \ignorespaces #3\unskip}}%
20247 }
20248
20249 \renewcommand{\scr@makemultilinecaption}[3]{%
20250   {%
20251     \usefontofkomafont{caption}{%
20252       \hb@xt@{\hsize}{%
20253         \cap@left
20254         \vbox{\hsize\cap@width\linewidth\hsize
20255           \scr@ifundefinedorrelax{@captype}{%
20256             \ClassWarning{\KOMAClassName}{%
20257               `string\caption' outside float.\MessageBreak
20258               Seems you are using `string\caption' outside a
20259               float.\MessageBreak
20260               Maybe you are using a package that uses
20261               `string\@makecaption'\MessageBreak
20262               without setting `string\@captype' before.\MessageBreak
20263               Because I cannot detect the caption type, I'm using\MessageBreak
20264               the empty one.%
20265             }%
20266             \let\@captype\empty
20267           }{}%
20268           \scr@ifundefinedorrelax{ragged\@captype}{\raggedcaption}{%
20269             \@nameuse{ragged\@captype caption}}%
20270           }%
20271           \ifdofullc@p
20272             \@hangfrom{%
20273               \strut
20274               \scr@smashdp{%
20275                 #1{%
20276                   \usekomafont{caption}{%
20277                     \usekomafont{captionlabel}{#2\captionformat}}%
20278                   }%

```



```

20279         }%
20280     }%
20281 }%
20282 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20283 \else
20284 \ifdim\cap@indent<\z@
20285 \strut
20286 #1{%
20287     {\usekomafont{caption}{%
20288         \usekomafont{captionlabel}{#2\captionformat}%
20289     }}%
20290 }%
20291 \noindent{{\usekomafont{caption}{%
20292     \hspace*{-\cap@indent}#3\scr@endstrut
20293 }}\par}%
20294 \else
20295 \if@capbreak
20296 \strut
20297 #1{%
20298     {\usekomafont{caption}{%
20299         \usekomafont{captionlabel}{#2\captionformat}%
20300     }}
20301 }%
20302 \noindent\@hangfrom{\hspace*{\cap@indent}}%
20303 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20304 \else
20305 \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
20306 {%
20307     \hspace*{-\cap@indent}%
20308     \scr@smashdp{%
20309         #1{\usekomafont{caption}{%
20310             \usekomafont{captionlabel}{#2\captionformat}%
20311         }}%
20312     }%
20313 }%
20314 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
20315 }%
20316 \fi
20317 \fi
20318 \fi
20319 }%
20320 \cap@right
20321 }\par\kern\dp\strutbox
20322 }%
20323 }\kern-\dp\strutbox
20324 }
20325
20326
20327 \bidi@AfterFile{longtable-xetex-bidi.def}{%
20328 \if@komalongtable
20329 \renewcommand{\LT@makecaption}[3]{%
20330 \noalign{%
20331 \if@captionabove
20332 \vskip\belowcaptionskip

```



```

20333         \else
20334             \vskip\abovecaptionskip
20335         \fi
20336     }%
20337     \LT@mcol\LT@cols c{%
20338         \hbox to\z@{\hss\parbox[t]{\linewidth{%
20339             \def\@capytype{table}%
20340             \@makecaption{#1}{#2}{#3}%
20341             \endgraf
20342             \if@captionabove
20343                 \vskip\abovecaptionskip
20344             \else
20345                 \vskip\belowcaptionskip
20346             \fi
20347         }}%
20348         \hss
20349     }%
20350 }%
20351 }%
20352 \renewcommand*{\scr@LT@array}{}%
20353 \let\scr@LT@array=\LT@array
20354 \renewcommand*{\LT@array}{%
20355     \let\scr@caption=\LT@caption
20356     \def\captionabove{\noalign{\global\@captionabovetrue}%
20357         \scr@caption}%
20358     \def\captionbelow{\noalign{\global\@captionabovetrue}%
20359         \scr@caption}%
20360     \if@tablecaptionabove
20361         \let\LT@caption=\captionabove
20362     \else
20363         \let\LT@caption=\captionbelow
20364     \fi
20365     \scr@LT@array
20366 }%
20367 \ClassInfo{\KOMAClassName}{%
20368     longtable captions redefined%
20369 }%
20370 \fi
20371 }
20372
20373 \CloneTOCEntryStyle{tocline}{part}
20374 \TOCEntryStyleStartInitCode{part}{%
20375     \expandafter\renewcommand%
20376     \csname scr@tso@#1@linefill\endcsname{\hfill}%
20377     \expandafter\renewcommand%
20378     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
20379     \expandafter\renewcommand%
20380     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20381         {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
20382     \expandafter\renewcommand\expandafter*%
20383     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
20384 }
20385
20386 \CloneTOCEntryStyle{tocline}{chapter}

```



```

20387 \TOCEntryStyleStartInitCode{chapter}{%
20388   \expandafter\renewcommand%
20389   \csname scr@tso@#1@linefill\endcsname{%
20390     \if@chapterentrywithdots
20391       {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
20392     \else
20393       \hfill
20394     \fi
20395   }%
20396   \expandafter\renewcommand%
20397   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}}%
20398   \expandafter\renewcommand%
20399   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20400     {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
20401   \expandafter\renewcommand\expandafter*%
20402   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
20403 }
20404
20405 \CloneTOCEntryStyle{tocline}{section}
20406 \TOCEntryStyleStartInitCode{section}{%
20407   \expandafter\renewcommand%
20408   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20409   \expandafter\renewcommand%
20410   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20411     {\normalfont\normalcolor ##1}}%
20412 }
20413
20414 \CloneTOCEntryStyle{section}{default}
20415
20416 \DeclareSectionCommand[%
20417   style=chapter,%
20418   level=\z@,%
20419   pagestyle=plain,%
20420   tocstyle=chapter,%
20421   tocindent=\z@,%
20422   tocnumwidth=1.5em%
20423 ]{chapter}
20424 \DeclareSectionCommand[%
20425   style=section,%
20426   level=1,%
20427   indent=\z@,%
20428   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
20429   afterskip=2.3ex \@plus.2ex,%
20430   tocstyle=section,%
20431   tocindentfollows=chapter,%
20432   tocindent=1.5em,%
20433   tocnumwidth=2.3em%
20434 ]{section}
20435 \DeclareSectionCommand[%
20436   style=part,%
20437   level=\m@ne,%
20438   pagestyle=plain,%
20439   tocstyle=part,%
20440   toplevel=\m@ne,%

```



```

20441   tocindent=\z@,%
20442   tocnumwidth=2em%
20443 }{part}
20444 \DeclareSectionCommand[%
20445   style=section,%
20446   level=2,%
20447   indent=\z@,%
20448   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
20449   afterskip=1.5ex \@plus .2ex,%
20450   tocstyle=section,%
20451   tocindent=3.8em,%
20452   tocnumwidth=3.2em%
20453 ]{subsection}
20454 \DeclareSectionCommand[%
20455   style=section,%
20456   level=3,%
20457   indent=\z@,%
20458   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
20459   afterskip=1.5ex \@plus .2ex,%
20460   tocstyle=section,%
20461   tocindent=7.0em,%
20462   tocnumwidth=4.1em%
20463 ]{subsubsection}
20464 \DeclareSectionCommand[%
20465   style=section,%
20466   level=4,%
20467   indent=\z@,%
20468   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
20469   afterskip=-1em,%
20470   tocindentfollows=subsubsection,%
20471   tocstyle=section,%
20472   tocindent=10em,%
20473   tocnumwidth=5em%
20474 ]{paragraph}
20475 \DeclareSectionCommand[%
20476   style=section,%
20477   level=5,%
20478   indent=\scr@parindent,%
20479   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
20480   afterskip=-1em,%
20481   tocstyle=section,%
20482   tocindent=12em,%
20483   tocnumwidth=6em%
20484 ]{subparagraph}

```

135 File scrreprt-xetex-bidi.def

```

20485 \ProvidesFile{scrreprt-xetex-bidi.def}[2022/05/27 v1.3 bidi adaptations for scrreprt class f
20486 \newcommand{\scr@saved@LTRfootnotetext}{}
20487 \newcommand{\scr@saved@RTLfootnotetext}{}
20488 \let\scr@saved@footnotetext\@footnotetext
20489 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
20490 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
20491 \renewcommand{\@footnotetext}[1]{%

```




```

20492 \scr@saved@footnotetext{#1}%
20493 \csname FN@mf@prepare\endcsname
20494 }
20495 \renewcommand{\@LTRfootnotetext}[1]{%
20496 \scr@saved@LTRfootnotetext{#1}%
20497 \csname FN@mf@prepare\endcsname
20498 }
20499 \renewcommand{\@RTLfootnotetext}[1]{%
20500 \scr@saved@RTLfootnotetext{#1}%
20501 \csname FN@mf@prepare\endcsname
20502 }
20503 \renewcommand\deffootnote[4][]{%
20504 \expandafter\ifnum\scr@v@is@ge{3.22}\relax
20505 \long\def\@makefntext##1{%
20506 \ExecuteDoHook{footnote/text/begin}%
20507 \raggedfootnote
20508 \if@RTL
20509 \rightskip
20510 \else
20511 \leftskip
20512 \fi
20513 #2
20514 \l@addto@macro\@trivlist{%
20515 \ifnum\@listdepth=\@ne
20516 \if@RTL
20517 \advance\rightmargin #2\relax
20518 \else
20519 \advance\leftmargin #2\relax
20520 \fi
20521 \fi
20522 }%
20523 \parindent #3\noindent
20524 \IfArgIsEmpty{#1}{-}{%
20525 \hskip \dimexpr #1-#2\relax
20526 }%
20527 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
20528 \ExecuteDoHook{footnote/text/end}%
20529 }%
20530 \else
20531 \ClassInfo{\KOMAClassName}{%
20532 Using old \string\@makefntext\space due to compatibility
20533 level\MessageBreak
20534 less than 3.22}%
20535 \long\def\@makefntext##1{%
20536 \setlength{\@tempdimc}{#3}%
20537 \def\@tempa{#1}\ifx\@tempa\@empty
20538 \setpar{\@par
20539 \@tempdima = \hsize
20540 \addtolength{\@tempdima}{-#2}%
20541 \if@RTL
20542 \parshape \@ne \z@ \@tempdima
20543 \else
20544 \parshape \@ne #2 \@tempdima
20545 \fi

```



```

20546         }%
20547     \else
20548         \addtolength{\@tempdimc}{#2}%
20549         \addtolength{\@tempdimc}{-#1}%
20550         \@setpar{\@par
20551             \@tempdima = \hsize
20552             \addtolength{\@tempdima}{-#1}%
20553             \@tempdimb = \hsize
20554             \addtolength{\@tempdimb}{-#2}%
20555             \if@RTL
20556                 \parshape \tw@ \z@ \@tempdima \z@ \@tempdimb
20557             \else
20558                 \parshape \tw@ #1 \@tempdima #2 \@tempdimb
20559             \fi
20560         }%
20561     \fi
20562 \par
20563 \parindent\@tempdimc\noindent
20564 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
20565 }%
20566 \fi
20567 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
20568 }
20569 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
20570 \renewcommand*\left@footnoterule{%
20571     \normalsize\ftn@rule@test@values
20572     \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
20573     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20574     {\usekomafont{footnoterule}{%
20575         \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
20576     \kern 2.6\p}
20577 \renewcommand*\right@footnoterule{%
20578     \normalsize\ftn@rule@test@values
20579     \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
20580     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
20581     {\usekomafont{footnoterule}{%
20582         \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
20583         \kern 2.6\p}
20584 \renewcommand*\maketitle[1][1]{%
20585     \expandafter\ifnum \csname scr@v3.12\endcsname>\scr@compatibility\relax
20586     \else
20587         \def\and{%
20588             \end{tabular}%
20589             \hspace 1em \@plus.17fil%
20590             \begin{tabular}[t]{c}%
20591         }%
20592     \fi
20593 \if@titlepage
20594     \begin{titlepage}
20595     \setcounter{page}{%
20596         #1%
20597     }%
20598     \if@titlepageiscoverpage
20599     \edef\titlepage@restore{%

```



```

20600         \noexpand\endgroup
20601         \noexpand\global\noexpand\@colht\the\@colht
20602         \noexpand\global\noexpand\@colroom\the\@colroom
20603         \noexpand\global\vsizethe\vsizethe
20604         \noexpand\global\noexpand\@titlepageiscoverpagefalse
20605         \noexpand\let\noexpand\titlepage@restore\noexpand\relax
20606     }%
20607     \begingroup
20608     \topmargin=\dimexpr \coverpagetopmargin-1in\relax
20609     \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
20610     \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
20611     \textwidth=\dimexpr
20612     \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
20613     \textheight=\dimexpr
20614     \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
20615     \headheight=0pt
20616     \headsep=0pt
20617     \footskip=\baselineskip
20618     \@colht=\textheight
20619     \@colroom=\textheight
20620     \vsizethe=\textheight
20621     \columnwidth=\textwidth
20622     \hsize=\columnwidth
20623     \linewidth=\hsize
20624     \else
20625         \let\titlepage@restore\relax
20626     \fi
20627     \let\footnotesize\small
20628     \let\right@footnoterule\relax
20629     \let\left@footnoterule\relax
20630     \let\textwidth@footnoterule\relax
20631     \let\footnote\thanks
20632     \let\LTRfootnote\LTRthanks
20633     \let\RTLfootnote\RTLthanks
20634     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20635     \let\@oldmakefnmark\@makefnmark
20636     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
20637     \ifx\@extratitle\@empty
20638         \ifx\@frontispiece\@empty
20639             \else
20640                 \if@twoside\mbox{}\next@tpage\fi
20641                 \noindent\@frontispiece\next@tdpage
20642             \fi
20643         \else
20644             \noindent\@extratitle
20645             \ifx\@frontispiece\@empty
20646                 \else
20647                     \next@tpage
20648                     \noindent\@frontispiece
20649                 \fi
20650                 \next@tdpage
20651             \fi
20652     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
20653     \ifx\@titlehead\@empty \else

```



```

20654     \begin{minipage}[t]{\textwidth}%
20655         \usekomafont{titlehead}{\@titlehead\par}%
20656     \end{minipage}\par
20657 \fi
20658 \null\vfill
20659 \begin{center}
20660     \ifx\@subject\@empty \else
20661         {\usekomafont{subject}{\@subject\par}}%
20662         \vskip 3em
20663     \fi
20664     {\usekomafont{title}{\huge \@title\par}}%
20665     \vskip 1em
20666     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}{\@subtitle\par}\fi}%
20667     \vskip 2em
20668     {%
20669         \usekomafont{author}{%
20670             \lineskip 0.75em
20671             \begin{tabular}[t]{c}
20672                 \@author
20673             \end{tabular}\par
20674         }%
20675     }%
20676     \vskip 1.5em
20677     {\usekomafont{date}{\@date \par}}%
20678     \vskip \z@ \@plus3fill
20679     {\usekomafont{publishers}{\@publishers \par}}%
20680     \vskip 3em
20681 \end{center}\par
20682 \@thanks\global\let\@thanks\@empty
20683 \vfill\null
20684 \if@twoside
20685     \@tempswatrue
20686     \expandafter\ifnum \@nameuse{scr@v@3.12}>\scr@compatibility\relax
20687 \else
20688     \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
20689         \@tempswafalse
20690     \fi\fi
20691 \fi
20692 \if@tempswa
20693     \next@tpage
20694     \begin{minipage}[t]{\textwidth}
20695         \@uppertitleback
20696     \end{minipage}\par
20697     \vfill
20698     \begin{minipage}[b]{\textwidth}
20699         \@lowertitleback
20700     \end{minipage}\par
20701     \@thanks\global\let\@thanks\@empty
20702 \fi
20703 \else
20704     \ifx\@uppertitleback\@empty\else
20705         \ClassWarning{\KOMAClassName}{%
20706             non empty \string\uppertitleback\space ignored
20707             by \string\maketitle\MessageBreak

```



```

20708         in `twoside=false' mode%
20709     }%
20710 \fi
20711 \ifx\@lowertitleback\@empty\else
20712     \ClassWarning{\KOMAClassName}{%
20713         non empty \string\lowertitleback\space ignored
20714         by \string\maketitle\MessageBreak
20715         in `twoside=false' mode%
20716     }%
20717 \fi
20718 \fi
20719 \ifx\@dedication\@empty
20720 \else
20721     \next@tdpage\null\vfill
20722     {\centering\usekomafont{dedication}{\@dedication \par}}%
20723     \vskip \z@ \@plus3fill
20724     \@thanks\global\let\@thanks\@empty
20725     \cleardoubleemptypage
20726 \fi
20727 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
20728 \end{titlepage}
20729 \else
20730 \par
20731 \@tempcnta=%
20732 #1%
20733 \relax\ifnum\@tempcnta=1\else
20734     \ClassWarning{\KOMAClassName}{%
20735         Optional argument of \string\maketitle\space ignored\MessageBreak
20736         in `titlepage=false' mode%
20737     }%
20738 \fi
20739 \ifx\@uppertitleback\@empty\else
20740     \ClassWarning{\KOMAClassName}{%
20741         non empty \string\uppertitleback\space ignored
20742         by \string\maketitle\MessageBreak
20743         in `titlepage=false' mode%
20744     }%
20745 \fi
20746 \ifx\@lowertitleback\@empty\else
20747     \ClassWarning{\KOMAClassName}{%
20748         non empty \string\lowertitleback\space ignored
20749         by \string\maketitle\MessageBreak
20750         in `titlepage=false' mode%
20751     }%
20752 \fi
20753 \begingroup
20754     \let\titlepage@restore\relax
20755     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
20756     \let\@oldmakefnmark\@makefnmark
20757     \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
20758     \next@tdpage
20759     \if@twocolumn
20760         \ifnum \col@number=\@one
20761             \ifx\@extratitle\@empty

```



```

20762         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20763     \else
20764         \@makeextratitle
20765     \fi
20766     \ifx\@frontispiece\@empty
20767         \ifx\@extratitle\@empty\else\next@tdpage\fi
20768     \else
20769         \next@tpage
20770         \@makefrontispiece
20771         \next@tdpage
20772     \fi
20773     \@maketitle
20774 \else
20775     \ifx\@extratitle\@empty
20776         \ifx\@frontispiece\@empty\else\if@twoside\mbox{}\fi\fi
20777     \else
20778         \twocolumn[\@makeextratitle]%
20779     \fi
20780     \ifx\@frontispiece\@empty
20781         \ifx\@extratitle\@empty\else\next@tdpage\fi
20782     \else
20783         \next@tpage
20784         \twocolumn[\@makefrontispiece]%
20785         \next@tdpage
20786     \fi
20787     \twocolumn[\@maketitle]%
20788 \fi
20789 \else
20790     \ifx\@extratitle\@empty
20791         \ifx\@frontispiece\@empty\else \mbox{}\fi
20792     \else
20793         \@makeextratitle
20794     \fi
20795     \ifx\@frontispiece\@empty
20796         \ifx\@extratitle\@empty\else\next@tdpage\fi
20797     \else
20798         \next@tpage
20799         \@makefrontispiece
20800         \next@tdpage
20801     \fi
20802     \@maketitle
20803 \fi
20804     \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
20805     \@thanks\global\let\@thanks\@empty
20806 \endgroup
20807 \fi
20808 \setcounter{footnote}{0}%
20809 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
20810     \let\thanks\relax
20811     \let\LTRthanks\relax
20812     \let\RTLthanks\relax
20813     \let\maketitle\relax
20814     \let\@maketitle\relax
20815     \global\let\@thanks\@empty

```



```

20816 \global\let\@author\@empty
20817 \global\let\@date\@empty
20818 \global\let\@title\@empty
20819 \global\let\@subtitle\@empty
20820 \global\let\@extratitle\@empty
20821 \global\let\@frontispiece\@empty
20822 \global\let\@titlehead\@empty
20823 \global\let\@subject\@empty
20824 \global\let\@publishers\@empty
20825 \global\let\@uppertitleback\@empty
20826 \global\let\@lowertitleback\@empty
20827 \global\let\@dedication\@empty
20828 \global\let\author\relax
20829 \global\let\title\relax
20830 \global\let\extratitle\relax
20831 \global\let\titlehead\relax
20832 \global\let\subject\relax
20833 \global\let\publishers\relax
20834 \global\let\uppertitleback\relax
20835 \global\let\lowertitleback\relax
20836 \global\let\dedication\relax
20837 \global\let\date\relax
20838 \fi
20839 \global\let\and\relax
20840 }%
20841 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
20842 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
20843 \renewcommand*\thesection{%
20844 \thechapter\@SepMark%
20845 \@arabic\c@section
20846 }
20847 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
20848 \renewcommand*\thesubsubsection{%
20849 \thesubsection\@SepMark\@arabic\c@subsubsection
20850 }
20851 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
20852 \renewcommand*\thesubparagraph{%
20853 \theparagraph\@SepMark\@arabic\c@subparagraph
20854 }
20855 \expandafter\ifnum\scr@v@is@le{2.97d}%
20856 \renewcommand*\thefigure{\thechapter\@SepMark\@arabic\c@figure}
20857 \fi
20858 \expandafter\ifnum\scr@v@is@le{2.97d}%
20859 \renewcommand*\thetable{\thechapter\@SepMark\@arabic\c@table}
20860 \fi
20861 \renewcommand*\theequation{%
20862 \thechapter\@SepMark%
20863 \@arabic\c@equation
20864 }
20865 \renewenvironment{thebibliography}[1]{%
20866 \if@bib@break@
20867 \bib@beginhook
20868 \else
20869 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else

```



```

20870         \setchapterpreamble{\bibpreamble}%
20871     \fi\fi
20872     \bib@heading
20873     \bib@beginhook
20874     \bib@before@hook
20875 \fi
20876 \renewcommand{\BreakBibliography}[1]{%
20877     \@bib@break
20878     \end{thebibliography}%
20879     \begingroup ##1\endgroup
20880     \begin{thebibliography}{#1}
20881 }%
20882 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
20883 \bidi@thebibliography@font@hook%
20884 \list{%
20885     \@biblabel{\@arabic\c@enumiv}%
20886 }{%
20887     \settowidth\labelwidth{\@biblabel{#1}}%
20888     \leftmargin\labelwidth
20889     \advance\leftmargin\labelsep
20890     \@openbib@code
20891     \if@bib@break@
20892         \edef\@tempa{%
20893             \noexpand\usecounter{enumiv}%
20894             \noexpand\setcounter{enumiv}{\the\c@enumiv}%
20895         }\@tempa
20896         \no@bib@break
20897     \else
20898         \usecounter{enumiv}%
20899     \fi
20900     \let\p@enumiv\@empty
20901     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
20902 }%
20903 \sloppy\clubpenalty4000 \widowpenalty4000
20904 \sfcode`\.=\@m
20905 }{%
20906     \if@bib@break@
20907         \def\@noitemerr{%
20908             \@latex@warning{%
20909                 \string\BreakBibliography\space at begin of `thebibliography'
20910                 environment\MessageBreak
20911                 or following \string\BreakBibliography}%
20912             }%
20913     \else
20914         \def\@noitemerr{%
20915             \@latex@warning{%
20916                 Empty `thebibliography' environment or
20917                 \string\BreakBibliography\MessageBreak
20918                 before end of `thebibliography' environment}%
20919             }%
20920     \fi
20921     \endlist
20922     \if@bib@break@
20923     \else

```




```

20924 \bib@after@hook
20925 \let\bib@before@hook\@empty
20926 \let\bib@after@hook\@empty
20927 \fi
20928 \bib@endhook
20929 }
20930 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
20931 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
20932 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
20933 \renewcommand\marginline[1]{%
20934 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
20935 }
20936 \renewcommand{\@makecaption}[3]{%
20937 \cap@margin
20938 \begingroup
20939 \ifonelinecaptions
20940 \def\stepcounter##1{\advance\value{##1}\@ne}%
20941 \let\refstepcounter\stepcounter
20942 \let\label\@gobble
20943 \let\@footnotetext=\@gobble
20944 \let\@LTRfootnotetext=\@gobble
20945 \let\@RTLfootnotetext=\@gobble
20946 \let\hypertarget\@gobbletwo
20947 \edef\@xnewline{%
20948 \unexpanded{\ClassInfo{\KOMAClassName}{%
20949 Workaround for not recommended usage of \string\\ or\MessageBreak
20950 \string\newline in caption text
20951 }%
20952 \hspace*{\linewidth}\hspace{1sp}%
20953 }%
20954 \unexpanded\expandafter{\@xnewline}%
20955 }%
20956 \edef\@xcentercr{%
20957 \unexpanded{\ClassInfo{\KOMAClassName}{%
20958 Workaround for not recommended usage of \string\\ or\MessageBreak
20959 \string\newline in caption text
20960 }%
20961 \hspace*{\linewidth}\hspace{1sp}%
20962 }%
20963 \unexpanded\expandafter{\@xcentercr}%
20964 }%
20965 \settowidth{\@tempdima}{\scr@makesinglelinecaption{#1}{#2}{#3}}%
20966 \ifdim\@tempdima>\cap@width
20967 \aftergroup\scr@makemultilinecaption
20968 \else
20969 \aftergroup\scr@makesinglelinecaption
20970 \fi
20971 \else
20972 \aftergroup\scr@makemultilinecaption
20973 \fi
20974 \endgroup
20975 {#1}{#2}{#3}%
20976 }
20977 \renewcommand{\scr@makesinglelinecaption}[3]{%

```



```

20978 {%
20979   \usefontofkomafont{caption}{%
20980     \hb@xt@\hsize{%
20981       \cap@left
20982       \if@RTL
20983         \beginR
20984         \fi
20985       \scr@@makesinglelinecaption{#1}{#2}{#3}%
20986       \if@RTL
20987       \endR
20988       \fi
20989       \cap@right
20990     }\par\kern\dp\strutbox%
20991   }%
20992 }\kern-\dp\strutbox
20993 }
20994 \renewcommand{\@makecaption}[2]{%
20995   \if@captionabove
20996     \vskip\belowcaptionskip
20997   \else
20998     \vskip\abovecaptionskip
20999   \fi
21000   \@makecaption\@firstofone{#1}{#2}%
21001   \if@captionabove
21002     \vskip\abovecaptionskip
21003   \else
21004     \vskip\belowcaptionskip
21005   \fi
21006 }
21007
21008 \renewcommand{\scr@@makesinglelinecaption}[3]{%
21009   {\usekomafont{caption}{\strut\ignorespaces
21010     #1{\usekomafont{captionlabel}{#2\captionformat}}}%
21011     \ignorespaces #3\unskip}}%
21012 }
21013
21014 \renewcommand{\scr@makemultilinecaption}[3]{%
21015   {%
21016     \usefontofkomafont{caption}{%
21017       \hb@xt@\hsize{%
21018         \cap@left
21019         \vbox{\hsize\cap@width\linewidth\hsize
21020           \scr@ifundefinedorrelax{@captive}{%
21021             \ClassWarning{\KOMAClassName}{%
21022               `string\caption' outside float.\MessageBreak
21023               Seems you are using `string\caption' outside a
21024               float.\MessageBreak
21025               Maybe you are using a package that uses
21026               `string\@makecaption'\MessageBreak
21027               without setting `string\@captive' before.\MessageBreak
21028               Because I cannot detect the caption type, I'm using\MessageBreak
21029               the empty one.%
21030             }%
21031             \let\@captive\@empty

```



```

21032 }{}%
21033 \scr@ifundefinedorrelax{ragged\@captype caption}{\raggedcaption}{%
21034 \@nameuse{ragged\@captype caption}%
21035 }%
21036 \ifdofullc@p
21037 \@hangfrom{%
21038 \strut
21039 \scr@smashdp{%
21040 #1{%
21041 \usekomafont{caption}{%
21042 \usekomafont{captionlabel}{#2\captionformat}%
21043 }%
21044 }%
21045 }%
21046 }%
21047 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21048 \else
21049 \ifdim\cap@indent<\z@
21050 \strut
21051 #1{%
21052 {\usekomafont{caption}{%
21053 \usekomafont{captionlabel}{#2\captionformat}%
21054 }%
21055 }\par}%
21056 \noindent{{\usekomafont{caption}{%
21057 \hspace*{-\cap@indent}#3\scr@endstrut
21058 }}\par}%
21059 \else
21060 \if@capbreak
21061 \strut
21062 #1{%
21063 {\usekomafont{caption}{%
21064 \usekomafont{captionlabel}{#2\captionformat}%
21065 }%
21066 }\par}%
21067 \noindent\@hangfrom{\hspace*{\cap@indent}}%
21068 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21069 \else
21070 \@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
21071 {%
21072 \hspace{-\cap@indent}%
21073 \scr@smashdp{%
21074 #1{\usekomafont{caption}{%
21075 \usekomafont{captionlabel}{#2\captionformat}%
21076 }%
21077 }%
21078 }%
21079 {{\usekomafont{caption}{#3\scr@endstrut}}\par}%
21080 }%
21081 \fi
21082 \fi
21083 \fi
21084 }%
21085 \cap@right

```



```

21086     }\par\kern\dp\strutbox
21087   }%
21088 }\kern-\dp\strutbox
21089 }
21090
21091
21092 \bidi@AfterFile{longtable-xetex-bidi.def}{%
21093   \if@komalongtable
21094     \renewcommand{\LT@makecaption}[3]{%
21095       \noalign{%
21096         \if@captionabove
21097           \vskip\belowcaptionskip
21098         \else
21099           \vskip\abovecaptionskip
21100         \fi
21101       }%
21102       \LT@mcot\LT@cols c{%
21103         \hbox to\z@{\hss\parbox[t]{\linewidth{%
21104           \def\@capytype{table}%
21105           \@makecaption{#1}{#2}{#3}%
21106           \endgraf
21107           \if@captionabove
21108             \vskip\abovecaptionskip
21109           \else
21110             \vskip\belowcaptionskip
21111           \fi
21112         }%
21113         \hss
21114       }%
21115     }%
21116   }%
21117   \renewcommand*{\scr@LT@array}{}%
21118   \let\scr@LT@array=\LT@array
21119   \renewcommand*{\LT@array}{%
21120     \let\scr@caption=\LT@caption
21121     \def\captionabove{\noalign{\global\@captionabovetrue}%
21122       \scr@caption}%
21123     \def\captionbelow{\noalign{\global\@captionabovetrue}%
21124       \scr@caption}%
21125     \if@tablecaptionabove
21126       \let\LT@caption=\captionabove
21127     \else
21128       \let\LT@caption=\captionbelow
21129     \fi
21130     \scr@LT@array
21131   }%
21132   \ClassInfo{\KOMAClassName}{%
21133     longtable captions redefined%
21134   }%
21135 \fi
21136 }
21137
21138 \CloneTOCEntryStyle{tocline}{part}
21139 \TOCEntryStyleStartInitCode{part}{%

```



```

21140 \expandafter\renewcommand%
21141 \csname scr@tso@#1@linefill\endcsname{\hfill}%
21142 \expandafter\renewcommand%
21143 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
21144 \expandafter\renewcommand%
21145 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21146   {\usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
21147 \expandafter\renewcommand\expandafter*%
21148 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
21149 }
21150
21151 \CloneTOCEntryStyle{tocline}{chapter}
21152 \TOCEntryStyleStartInitCode{chapter}{%
21153   \expandafter\renewcommand%
21154   \csname scr@tso@#1@linefill\endcsname{%
21155     \if@chapterentrywithdots
21156       {\usekomafont{chapterentrydots}{\TOCLineLeaderFill}}\relax
21157     \else
21158       \hfill
21159     \fi
21160   }%
21161   \expandafter\renewcommand%
21162   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
21163   \expandafter\renewcommand%
21164   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21165     {\usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
21166   \expandafter\renewcommand\expandafter*%
21167   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
21168 }
21169
21170 \CloneTOCEntryStyle{tocline}{section}
21171 \TOCEntryStyleStartInitCode{section}{%
21172   \expandafter\renewcommand%
21173   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
21174   \expandafter\renewcommand%
21175   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
21176     {\normalfont\normalcolor ##1}}%
21177 }
21178
21179 \CloneTOCEntryStyle{section}{default}
21180
21181 \DeclareSectionCommand[%
21182   style=chapter,%
21183   level=\z@,%
21184   pagestyle=plain,%
21185   tocstyle=chapter,%
21186   tocindent=\z@,%
21187   tocnumwidth=1.5em%
21188 ]{chapter}
21189 \DeclareSectionCommand[%
21190   style=section,%
21191   level=1,%
21192   indent=\z@,%
21193   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%

```



```

21194 afterskip=2.3ex \@plus.2ex,%
21195 tocstyle=section,%
21196 tocindentfollows=chapter,%
21197 tocindent=1.5em,%
21198 tocnumwidth=2.3em%
21199 ]{section}
21200 \DeclareSectionCommand[%
21201   style=part,%
21202   level=\m@ne,%
21203   pagestyle=plain,%
21204   tocstyle=part,%
21205   toplevel=\m@ne,%
21206   tocindent=\z@,%
21207   tocnumwidth=2em%
21208 ]{part}
21209 \DeclareSectionCommand[%
21210   style=section,%
21211   level=2,%
21212   indent=\z@,%
21213   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
21214   afterskip=1.5ex \@plus .2ex,%
21215   tocstyle=section,%
21216   tocindent=3.8em,%
21217   tocnumwidth=3.2em%
21218 ]{subsection}
21219 \DeclareSectionCommand[%
21220   style=section,%
21221   level=3,%
21222   indent=\z@,%
21223   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
21224   afterskip=1.5ex \@plus .2ex,%
21225   tocstyle=section,%
21226   tocindent=7.0em,%
21227   tocnumwidth=4.1em%
21228 ]{subsubsection}
21229 \DeclareSectionCommand[%
21230   style=section,%
21231   level=4,%
21232   indent=\z@,%
21233   beforekip=3.25ex \@plus1ex \@minus .2ex,%
21234   afterskip=-1em,%
21235   tocindentfollows=subsubsection,%
21236   tocstyle=section,%
21237   tocindent=10em,%
21238   tocnumwidth=5em%
21239 ]{paragraph}
21240 \DeclareSectionCommand[%
21241   style=section,%
21242   level=5,%
21243   indent=\scr@parindent,%
21244   beforekip=3.25ex \@plus1ex \@minus .2ex,%
21245   afterskip=-1em,%
21246   tocstyle=section,%
21247   tocindent=12em,%

```



```

21248   tocnumwidth=6em%
21249 ]{\subparagraph}

```

136 File sidecap-xetex-bidi.def

```

21250 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package f
21251 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
21252   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
21253 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
21254 \renewcommand*{\SC@justify@caption}{\if@RTL%
21255 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
21256   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

137 File soul-xetex-bidi.def

```

21257 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeT
21258 \long\def\SOUL@start#1{%
21259   \let\bid@RTL@everypar\@empty
21260   \let\<\SOUL@lowerthan
21261   \let\>\empty
21262   \def\soulomit{\noexpand\soulomit}%
21263   \gdef\SOUL@eventuallyexhyphen##1{%
21264     \let\SOUL@soeventuallyskip\relax
21265     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
21266       \@minus\fontdimen4\font
21267     \SOUL@ignorespacesfalse
21268     \leavevmode
21269     \SOUL@preamble
21270     \SOUL@lasttoken={}%
21271     \SOUL@word={}%
21272     \SOUL@minus\z@
21273     \SOUL@comma\z@
21274     \SOUL@apo\z@
21275     \SOUL@grave\z@
21276     \SOUL@do{#1}%
21277     \SOUL@postamble
21278 }}
21279 \def\SOUL@ulunderline#1{%
21280   \setbox\z@\hbox{#1}%
21281   \dimen@=\wd\z@
21282   \dimen@i=\SOUL@uloverlap
21283   \advance\dimen@2\dimen@i
21284   \if@RTL
21285     \unhcopy\z@
21286     \llap{%
21287       \null
21288       \kern-\dimen@i
21289       \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
21290     }%
21291   \else
21292     \rlap{%
21293       \null
21294       \kern-\dimen@i
21295       \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%

```



```

21296 }%
21297 \unhcopy\z@
21298 \fi
21299 }
21300 \def\bidi@SOUL@ulleaders{%
21301 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\r
21302 }
21303 \def\SOUL@uleveryspace#1{%
21304 \if@RTL
21305 #1%
21306 \bidi@SOUL@ulleaders
21307 \hskip\spaceskip
21308 \else
21309 \SOUL@ulcolor{%
21310 #1%
21311 \SOUL@ulleaders
21312 \hskip\spaceskip
21313 }%
21314 \fi
21315 \null
21316 }

```

138 File stabular-xetex-bidi.def

```

21317 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
21318 \def\@stabular{%
21319 \leavevmode \bgroup \if@RTLtab\beginR \fi
21320 \let\@acol\@tabacol
21321 \let\@classz\@tabclassz
21322 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
21323 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
21324 \egroup \if@RTLtab\endR\fi\egroup}
21325 \expandafter \let \csname endstabular*\endcsname = \endstabular
21326 \def\@sarray[#1]#2{%
21327 \bgroup
21328 \setbox\@arstrutbox\hbox{%
21329 \vrule \@height\arraystretch\ht\strutbox
21330 \@depth\arraystretch \dp\strutbox
21331 \@width\z}%
21332 \@mkpream{#2}%
21333 \edef\@preamble{%
21334 \ialign \noexpand\@halignto
21335 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
21336 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
21337 \let\@tabularnewline\%
21338 \let\@sharp##%
21339 \set@typeset@protect
21340 \lineskip\z@skip\baselineskip\z@skip
21341 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
21342 \@preamble}

```

139 File subfigure-xetex-bidi.def

```

21343 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure packa

```




```

21344 \AtBeginDocument{%
21345 \let\p@subfigure=\thefigure
21346 \let\p@subtable=\thetable%
21347 }

```

140 File tabs-xetex-bidi.def

```

21348 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for Xe
21349 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
21350
21351 \expandafter\let\csname endtabular*\endcsname=\endtabular
21352
21353 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
21354 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
21355 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
21356
21357 \def\array[#1]#2{% remember global variables to allow recursion:
21358 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
21359 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
21360 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
21361 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
21362 \else \let\@tarlinesep\tablinesep \fi
21363 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
21364 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
21365 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
21366 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
21367 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@@size
21368 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
21369 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
21370 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
21371 \let\protect\noexpand
21372 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
21373 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
21374 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
21375 \if#1t\top \else \if#1b\box \else \vcenter \fi\fi
21376 \bgroup \let\par\empty
21377 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
21378 \advance\extrarulesep.5\arrayrulewidth
21379 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
21380 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \box \fi\bgroup\fi
21381 \preamble}

```

141 File tabularx-xetex-bidi.def

```

21382 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package
21383 \def\TX@endtabularx{%
21384 \expandafter\expandafter\expandafter
21385 \TX@find@endtabularxa\csname end\TX@\endcsname
21386 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
21387 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
21388 \let\verb\TX@verb
21389 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
21390 \edef\TX@ckpt{\cl@ckpt}%
21391 \let\@elt\relax

```



```

21392 \TX@old@table\maxdimen
21393 \TX@col@width\TX@target
21394 \global\TX@cols\@ne
21395 \TX@typeout@
21396 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
21397 \TX@trial{\def\NC@rewrite@X{%
21398 \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
21399 \loop
21400 \TX@arith
21401 \ifTX@
21402 \TX@trial{%
21403 \repeat
21404 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
21405 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
21406 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
21407 \csname tabular*\expandafter\endcsname\expandafter\TX@target
21408 \the\toks@
21409 \csname endtabular*\endcsname}%
21410 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
21411 \ifnum0=\fi}%
21412 \expandafter\expandafter\expandafter
21413 \TX@find@endtabularxbb
21414 \expandafter\end\expandafter{\TX@}%
21415 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
21416 }
21417
21418 \def\TX@trial#1{%
21419 \setbox\@tempboxa\hbox{%
21420 #1\relax
21421 \let\@footnotetext\TX@trial@ftn
21422 \let\@LTRfootnotetext\TX@trial@ftn
21423 \let\@RTLfootnotetext\TX@trial@ftn
21424 \let\TX@vwarn\@empty
21425 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
21426 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
21427 \def\write{\begingroup
21428 \def\let{\afterassignment\endgroup\toks@}%
21429 \afterassignment\let\count@}%
21430 \hbadness\@M
21431 \hfuzz\maxdimen
21432 \let\hbadness\@tempcnta
21433 \let\hfuzz\@tempdima
21434 \expandafter\tabular\the\toks@
21435 \endtabular}%
21436 \TX@ckpt
21437 \TX@typeout@{\@spaces
21438 \expandafter\TX@align
21439 \the\wd\@tempboxa\space\space\space\space\space\@@
21440 \expandafter\TX@align
21441 \the\TX@col@width\space\space\space\space\space\@@
21442 \@spaces\the\TX@cols}}
21443
21444 \long\def\TX@LTRftntext#1{%
21445 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext

```



```

21446          [\the\csname c@\mpfn\endcsname]]%
21447 \global\TX@ftn\expandafter{\@tempa{#1}}}%
21448 \long\def\TX@xLTRftntext[#1]#2{%
21449 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
21450
21451 \long\def\TX@RTLftntext#1{%
21452 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
21453          [\the\csname c@\mpfn\endcsname]]%
21454 \global\TX@ftn\expandafter{\@tempa{#1}}}%
21455 \long\def\TX@xRTLftntext[#1]#2{%
21456 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

142 File tabulary-xetex-bidi.def

```

21457 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
21458 \def\@testpach{\@chclass
21459 \ifnum \@lastchclass=6 \one \@chnum \one \else
21460 \ifnum \@lastchclass=7 5 \else
21461 \ifnum \@lastchclass=8 \tw@ \else
21462 \ifnum \@lastchclass=9 \thr@@
21463 \else \z@
21464 \ifnum \@lastchclass = 10 \else
21465 \edef\@nextchar{\expandafter\string\@nextchar}%
21466 \@chnum
21467 \if \@nextchar c\z@ \else
21468 \if \@nextchar \if@RTLtab r\else l\fi\one \else
21469 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
21470 \if \@nextchar C7 \else
21471 \if \@nextchar L8 \else
21472 \if \@nextchar R9 \else
21473 \if \@nextchar J10 \else
21474 \z@ \@chclass
21475 \if \@nextchar |\@one \else
21476 \if \@nextchar !6 \else
21477 \if \@nextchar @7 \else
21478 \if \@nextchar <8 \else
21479 \if \@nextchar >9 \else
21480 10
21481 \@chnum
21482 \if \@nextchar m\thr@@\else
21483 \if \@nextchar p4 \else
21484 \if \@nextchar b5 \else
21485 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
21486 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```

143 File tc-xetex-bidi.def

```

21487 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for Xe
21488 \def\@cliptoboxdim#1{%
21489 \setbox#1=\hbox{%
21490 \Gin@defaultbp\WIDTH{\wd#1}%
21491 \Gin@defaultbp\DEPTH{\dp#1}%
21492 \@tempdima\ht#1%
21493 \advance\@tempdima\dp#1%

```



```

21494      \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
21495      \beginL\special{pdf:bcontent }%
21496      \special{%
21497          pdf:literal direct
21498          0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
21499      }%
21500      \special{pdf:literal direct W }%
21501      \special{pdf:literal direct n }%
21502          \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
21503      \special{pdf:econtent }\endL%
21504  }%
21505 }

```

144 File tcolorbox-xetex-bidi.def

```

21506 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
21507 \let\endtcblrbox=\endminipage
21508 \let\endtcbsavebox=\endtcblrbox
21509
21510 \bidi@patchcmd{\tcb@vbox}{%
21511   \let\@footnotetext\@mpfootnotetext%
21512 }{%
21513   \let\@footnotetext\@mpfootnotetext%
21514   \let\@LTRfootnotetext\@mpLTRfootnotetext%
21515   \let\@RTLfootnotetext\@mpRTLfootnotetext%
21516 }{}{}
21517
21518 \bidi@patchcmd{\endtcbsavebox}{%
21519   \footnoterule%
21520 }{%
21521   \bidi@mpfootnoterule%
21522 }{}{}
21523 \bidi@apptocmd\tcb@icolorbox{%
21524   \@bidi@list@minipage@parboxfalse
21525 }{}{}

```

145 File titlesec-xetex-bidi.def

```

21526 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package
21527 \renewcommand\filright{%
21528   \gdef\ttl@filleft##1{\hskip##1}%
21529   \gdef\ttl@filright##1{\hfill}%
21530   \let\\\@centercr
21531   \advance\rightskip\z@ \@plus 1fil
21532   \parfillskip\z@}
21533 \def\ttlhang#1#2#3#4#5#6#7#8{%
21534   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
21535   \setlength\leftskip{#6}%
21536   \setlength\rightskip{#7}%
21537   \interlinepenalty\@M
21538   \ttl@changecentercr
21539   \ttl@beginlongest
21540   #1{\ifhmode\ttl@hmode@error\fi
21541     \ttl@glcmds

```



```

21542 \parindent\z@
21543 \leavevmode
21544 \begingroup
21545 \ifttl@label
21546 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
21547 \ifRTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
21548 \llap{\box\z@}%
21549 \fi
21550 #4{#8}%
21551 \kern\z@\strut\@par
21552 \endgroup
21553 \nobreak\ttl@midlongest#5\@par}%
21554 \ttl@endlongest}

```

146 File titletoc-xetex-bidi.def

```

21555 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
21556 \renewcommand\filright{%
21557 \gdef\ttl@filleft##1{\hskip##1}%
21558 \gdef\ttl@filright##1{\hfill}%
21559 \let\\\@centercr
21560 \advance\rightskip\z@ \@plus 1fil
21561 \parfillskip\z@}
21562 \renewcommand\contentspush[1]{%
21563 \sbox\z@{#1}%
21564 \xdef\ttl@b{\advance\ifRTL\rightskip\else\leftskip\fi\the\wd\z@}%
21565 \aftergroup\ttl@b
21566 \leavevmode\llap{\box\z@}}
21567 \def\ttl@outnoblock#1#2#3{%
21568 \begingroup
21569 \ifnum\ttl@b>\ttl@a
21570 \nobreak
21571 \else\ifnum\ttl@b<\ttl@a
21572 \addpenalty{\@secpenalty}%
21573 \else
21574 \addpenalty{\z@}%
21575 \fi\fi
21576 \ttl@contentsstretch
21577 \nobreak
21578 \ifcase#1\relax\else\interlinepenalty\M\fi
21579 \parindent\z@
21580 \ifx\@nil#2%
21581 \PackageError{titletoc}{Unimplemented}%
21582 {The optional argument is currently mandatory}%
21583 \else
21584 \ifRTL\setlength\rightskip{#2}\else
21585 \setlength\leftskip{#2}\fi%
21586 \fi
21587 \ifRTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
21588 \let\contentsmargin\ttl@margin
21589 \def\ttl@makeline##1{##1}%
21590 #3%
21591 \addtolength{\parfillskip}{-\ttl@corr}%
21592 \ifRTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%

```



```

21593 \let\ttl@leaders\leaders}
21594 \renewcommand\ttl@margin[2][\z@]{%
21595   \def\ttl@corr{#1}%
21596   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
21597   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
21598   \def\@pnumwidth{#2}}
21599 \let\ttl@savel@part\l@part
21600 \def\l@part{\ttl@lselect{part}}
21601
21602 \let\ttl@savel@chapter\l@chapter
21603 \def\l@chapter{\ttl@lselect{chapter}}

```

147 File tocbibbind-xetex-bidi.def

```

21604 \ProvidesFile{tocbibbind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibbind packa
21605 \if@dotocbib
21606   \@ifpackageloaded{natbib}{}{% natbib not loaded
21607     \renewcommand{\bibsection}{\tcb@cb@bchapsec}
21608     \renewenvironment{thebibliography}[1]{%
21609       \bibsection
21610       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
21611   \renewenvironment{thebibitemlist}[1]{
21612     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
21613     \bidi@thebibliography@font@hook%
21614     \list{\@biblabel{\@arabic{c@enumiv}}}%
21615       {\settowidth\labelwidth{\@biblabel{#1}}%
21616        \leftmargin\labelwidth
21617        \advance\leftmargin\labelsep
21618        \@openbib@code
21619        \usecounter{enumiv}%
21620        \let\p@enumiv\@empty
21621        \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
21622     \sloppy
21623     \clubpenalty4000
21624     \@clubpenalty \clubpenalty
21625     \widowpenalty4000%
21626     \sfcode`\.\@m}
21627   {\def\@noitemerr
21628     {\@latex@warning{Empty `thebibliography' environment}}}%
21629   \endlist}
21630
21631   \@ifpackagewith{chapterbib}{sectionbib}%
21632     {\renewcommand{\sectionbib}[2]{}}%
21633     {}
21634
21635 \fi
21636 \if@inltxdoc\else
21637   \renewenvironment{theindex}%
21638     {\if@twocolumn
21639      \@restonecolfalse
21640      \else
21641        \@restonecoltrue
21642      \fi
21643     \if@bibchapter

```



```

21644 \if@donumindex
21645 \refstepcounter{chapter}
21646 \twocolumn[\vspace*{2\topskip}%
21647 \@makechapterhead{\indexname}]]%
21648 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
21649 \chaptermark{\indexname}
21650 \else
21651 \if@dotocind
21652 \twocolumn[\vspace*{2\topskip}%
21653 \@makeschapterhead{\indexname}]]%
21654 \prw@mkboth{\indexname}
21655 \addcontentsline{toc}{chapter}{\indexname}
21656 \else
21657 \twocolumn[\vspace*{2\topskip}%
21658 \@makeschapterhead{\indexname}]]%
21659 \prw@mkboth{\indexname}
21660 \fi
21661 \fi
21662 \else
21663 \if@donumindex
21664 \twocolumn[\vspace*{-1.5\topskip}%
21665 \@nameuse{\@tocextra}{\indexname}]]%
21666 \csname \@tocextra mark\endcsname{\indexname}
21667 \else
21668 \if@dotocind
21669 \twocolumn[\vspace*{-1.5\topskip}%
21670 \toc@headstar{\@tocextra}{\indexname}]]%
21671 \prw@mkboth{\indexname}
21672 \addcontentsline{toc}{\@tocextra}{\indexname}
21673 \else
21674 \twocolumn[\vspace*{-1.5\topskip}%
21675 \toc@headstar{\@tocextra}{\indexname}]]%
21676 \prw@mkboth{\indexname}
21677 \fi
21678 \fi
21679 \fi
21680 \thispagestyle{plain}\parindent\z@
21681 \parskip\z@ \@plus .3\p@\relax
21682 \let\item\@idxitem}
21683 {\if@restonecol\onecolumn\else\clearpage\fi}
21684 \fi

```

148 File tocloft-xetex-bidi.def

```

21685 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package f
21686 \let\cftdot\@SepMark
21687 \if@cfthaspart
21688 \renewcommand*{\l@part}[2]{
21689 \cftdopartfalse
21690 \ifnum \c@tocdepth >-2\relax
21691 \if@cfthaschapter
21692 \cftdoparttrue
21693 \fi
21694 \ifnum \c@tocdepth >\m@ne

```



```

21695     \if@cfthaschapter\else
21696         \cftdoparttrue
21697     \fi
21698 \fi
21699 \fi
21700 \if@cftdopart
21701     \if@cfthaschapter
21702         \addpenalty{-\@highpenalty}
21703     \else
21704         \addpenalty\@secpenalty
21705     \fi
21706     \addvspace{\cftbeforepartskip}
21707     \begingroup
21708         {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
21709         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21710         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21711         \parindent \cftpartindent\relax\@afterindenttrue
21712         \interlinepenalty\@M
21713         \leavevmode
21714         \@tempdima \cftpartnumwidth\relax
21715         \let\@cftbsnum \cftpartpresnum
21716         \let\@cftasnum \cftpartaftersnum
21717         \let\@cftasnumb \cftpartaftersnumb
21718         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
21719         {\cftpartfont \cftpartpresnum #1}
21720         \cftpartfillnum{#2}}
21721     \nobreak
21722     \if@cfthaschapter
21723         \global\@nobreaktrue
21724         \everypar{\global\@nobreakfalse\everypar{}}
21725     \else
21726         \if@compatibility
21727             \global\@nobreaktrue
21728             \everypar{\global\@nobreakfalse\everypar{}}
21729         \fi
21730     \fi
21731 \endgroup
21732 \fi}
21733 \fi
21734 \if@cfthaschapter
21735 \renewcommand*{\l@chapter}[2]{
21736     \ifnum \c@tocdepth >\m@ne
21737         \addpenalty{-\@highpenalty}
21738         \vskip \cftbeforechapskip
21739         {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
21740         \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21741         \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21742         \parindent \cftchapindent\relax\@afterindenttrue
21743         \interlinepenalty\@M
21744         \leavevmode
21745         \@tempdima \cftchapnumwidth\relax
21746         \let\@cftbsnum \cftchappresnum
21747         \let\@cftasnum \cftchapaftersnum
21748         \let\@cftasnumb \cftchapaftersnumb

```




```

21749 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21750 {\cftchapfont #1}\nobreak
21751 \cftchapfillnum{#2}}
21752 \fi}
21753 \fi
21754 \renewcommand*{\l@section}[2]{%
21755 \ifnum \c@tocdepth >\z@
21756 \if@cfthaschapter
21757 \vskip \cftbeforesecskip
21758 \else
21759 \addpenalty\@secpenalty
21760 \addvspace{\cftbeforesecskip}
21761 \fi
21762 {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
21763 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21764 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21765 \parindent \cftsecindent\relax\@afterindenttrue
21766 \interlinepenalty\@M
21767 \leavevmode
21768 \@tempdima \cftsecnumwidth\relax
21769 \let\@cftbsnum \cftsecpresnum
21770 \let\@cftasnum \cftsecaftersnum
21771 \let\@cftasnumb \cftsecaftersnumb
21772 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21773 {\cftsecfont #1}\nobreak
21774 \cftsecfillnum{#2}}
21775 \fi}
21776 \renewcommand*{\l@subsection}[2]{%
21777 \ifnum \c@tocdepth >\@ne
21778 \vskip \cftbeforesubsecskip
21779 {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
21780 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21781 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21782 \parindent \cftsubsecindent\relax\@afterindenttrue
21783 \interlinepenalty\@M
21784 \leavevmode
21785 \@tempdima \cftsubsecnumwidth\relax
21786 \let\@cftbsnum \cftsubsecpresnum
21787 \let\@cftasnum \cftsubsecaftersnum
21788 \let\@cftasnumb \cftsubsecaftersnumb
21789 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21790 {\cftsubsecfont #1}\nobreak
21791 \cftsubsecfillnum{#2}}
21792 \fi}
21793 \renewcommand*{\l@subsubsection}[2]{%
21794 \ifnum \c@tocdepth >\tw@
21795 \vskip \cftbeforesubsubsecskip
21796 {\if@RTL\righskip\else\leftskip\fi \cftsubsubsecindent\relax
21797 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21798 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21799 \parindent \cftsubsubsecindent\relax\@afterindenttrue
21800 \interlinepenalty\@M
21801 \leavevmode
21802 \@tempdima \cftsubsubsecnumwidth\relax

```



```

21803 \let\@cftbsnum \cftsubsubsecpresnum
21804 \let\@cftasnum \cftsubsubsecaftersnum
21805 \let\@cftasnumb \cftsubsubsecaftersnumb
21806 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
21807 {\cftsubsubsecfont #1}\nobreak
21808 \cftsubsubsecfillnum{#2}}
21809 \fi}
21810 \renewcommand*{\l@paragraph}[2]{%
21811 \ifnum \c@tocdepth >3\relax
21812 \vskip \cftbeforeparaskip
21813 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
21814 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21815 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21816 \parindent \cftparaindent\relax\@afterindenttrue
21817 \interlinepenalty\@M
21818 \leavevmode
21819 \@tempdima \cftparanumwidth\relax
21820 \let\@cftbsnum \cftparapresnum
21821 \let\@cftasnum \cftparaaftersnum
21822 \let\@cftasnumb \cftparaaftersnumb
21823 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
21824 {\cftparafont #1}\nobreak
21825 \cftparafillnum{#2}}
21826 \fi}
21827 \renewcommand*{\l@subparagraph}[2]{%
21828 \ifnum \c@tocdepth >4\relax
21829 \vskip \cftbeforesubparaskip
21830 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
21831 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21832 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21833 \parindent \cftsubparaindent\relax\@afterindenttrue
21834 \interlinepenalty\@M
21835 \leavevmode
21836 \@tempdima \cftsubparanumwidth\relax
21837 \let\@cftbsnum \cftsubparapresnum
21838 \let\@cftasnum \cftsubparaaftersnum
21839 \let\@cftasnumb \cftsubparaaftersnumb
21840 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
21841 {\cftsubparafont #1}\nobreak
21842 \cftsubparafillnum{#2}}
21843 \fi}
21844 \renewcommand*{\l@figure}[2]{%
21845 \ifnum \c@lofdepth >\z@
21846 \vskip \cftbeforefigskip
21847 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
21848 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21849 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21850 \parindent \cftfigindent\relax\@afterindenttrue
21851 \interlinepenalty\@M
21852 \leavevmode
21853 \@tempdima \cftfignumwidth\relax
21854 \let\@cftbsnum \cftfigpresnum
21855 \let\@cftasnum \cftfigaftersnum
21856 \let\@cftasnumb \cftfigaftersnumb

```



```

21857 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
21858 {\cftfigfont #1}\nobreak
21859 \cftfigfillnum{#2}}
21860 \fi
21861 }
21862 \renewcommand*{\l@table}[2]{%
21863 \ifnum\c@lotdepth >\z@
21864 \vskip \cftbeforetabskip
21865 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
21866 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
21867 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
21868 \parindent \cfttabindent\relax\@afterindenttrue
21869 \interlinepenalty\@M
21870 \leavevmode
21871 \@tempdima \cfttabnumwidth\relax
21872 \let\@cftbsnum \cfttabpresnum
21873 \let\@cftasnum \cfttabaftersnum
21874 \let\@cftasnumb \cfttabaftersnumb
21875 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
21876 {\cfttabfont #1}\nobreak
21877 \cfttabfillnum{#2}}
21878 \fi
21879 }
21880 \renewcommand{\@cftl@subfig}{
21881 \renewcommand*{\l@subfigure}[2]{%
21882 \ifnum \c@lofdepth > \toclevel@subfigure
21883 \vskip \cftbeforesubfigskip
21884 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubfigindent\relax
21885 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
21886 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
21887 \parindent \cftsubfigindent\relax\@afterindenttrue
21888 \interlinepenalty\@M
21889 \leavevmode
21890 \@tempdima \cftsubfignumwidth\relax
21891 \let\@cftbsnum \cftsubfigpresnum
21892 \let\@cftasnum \cftsubfigaftersnum
21893 \let\@cftasnumb \cftsubfigaftersnumb
21894 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
21895 {\cftsubfigfont ##1}\nobreak
21896 \cftsubfigfillnum{##2}}
21897 \fi
21898 }
21899 }
21900 \renewcommand{\@cftl@subtab}{
21901 \renewcommand*{\l@subtable}[2]{%
21902 \ifnum \c@lotdepth > \toclevel@subtable
21903 \vskip \cftbeforesubtabskip
21904 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubtabindent\relax
21905 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
21906 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
21907 \parindent \cftsubtabindent\relax\@afterindenttrue
21908 \interlinepenalty\@M
21909 \leavevmode
21910 \@tempdima \cftsubtabnumwidth\relax

```



```

21911 \let\@cftbsnum \cftsubtabpresnum
21912 \let\@cftasnum \cftsubtabaftersnum
21913 \let\@cftasnumb \cftsubtabaftersnumb
21914 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
21915 {\cftsubtabfont ##1}\nobreak
21916 \cftsubtabfillnum{##2}}
21917 \fi
21918 }
21919 }
21920 \renewcommand{\newlistentry}[4][\@empty]{%
21921 \ifundefined{c@#2}{% check & set the counter
21922 \ifx \@empty#1\relax
21923 \newcounter{#2}
21924 \else
21925 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
21926 {#1 has no counter for use as a `within'}
21927 \newcounter{#2}}%
21928 {\newcounter{#2}[#1]%
21929 \expandafter\edef\csname the#2\endcsname{%
21930 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
21931 \fi
21932 \setcounter{#2}{0}
21933 }
21934 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
21935
21936 \@namedef{l@#2}##1##2{%
21937 \ifnum \@nameuse{c@#3depth} > #4\relax
21938 \vskip \@nameuse{cftbefore#2skip}
21939 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
21940 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
21941 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
21942 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
21943 \interlinepenalty\@M
21944 \leavevmode
21945 \@tempdima \@nameuse{cft#2numwidth}\relax
21946 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
21947 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
21948 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
21949 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
21950 {\@nameuse{cft#2font}##1}\nobreak
21951 \@nameuse{cft#2fillnum}{##2}}
21952 \fi
21953 } % end of \l@#2
21954
21955 \expandafter\newlength\csname cftbefore#2skip\endcsname
21956 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2p@}
21957 \expandafter\newlength\csname cft#2indent\endcsname
21958 \expandafter\newlength\csname cft#2numwidth\endcsname
21959 \ifcase #4\relax % 0
21960 \setlength{\@nameuse{cft#2indent}}{0em}
21961 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
21962 \or % 1
21963 \setlength{\@nameuse{cft#2indent}}{1.5em}
21964 \setlength{\@nameuse{cft#2numwidth}}{2.3em}

```



```

21965 \or % 2
21966 \setlength{\@nameuse{cft#2indent}}{3.8em}
21967 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
21968 \or % 3
21969 \setlength{\@nameuse{cft#2indent}}{7.0em}
21970 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
21971 \else % anything else
21972 \setlength{\@nameuse{cft#2indent}}{10.0em}
21973 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
21974 \fi
21975 \@namedef{cft#2font}{\normalfont}
21976 \@namedef{cft#2presnum}{}
21977 \@namedef{cft#2aftersnum}{}
21978 \@namedef{cft#2aftersnumb}{}
21979 \@namedef{cft#2dotsep}{\cftdotsep}
21980 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
21981 \@namedef{cft#2pagefont}{\normalfont}
21982 \@namedef{cft#2afterpnum}{}
21983 \@namedef{toclevel@#2}{#4}
21984 \@namedef{cft#2fillnum}##1{%
21985 \{\@nameuse{cft#2leader}\}\nobreak
21986 \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
21987 } % end \newlistentry
21988 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
21989 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
21990 \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
21991 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax
21992 \textit{#1}\protect\par}}}}

```

149 File tocbasic-xetex-bidi.def

```

21993 \ProvidesFile{tocbasic-xetex-bidi.def}[2022/05/27 v0.4 bidi adaptations for tocbasic package]
21994 \bidi@undef\scr@dte@def@l@undottedtocline
21995 \bidi@undef\scr@dte@undottedtocline@init
21996 \DeclareTOCEntryStyle{undottedtocline}{%
21997 \DefineTOCEntryLengthOption{indent}%
21998 {scr@tso@}{@indent}{entry indent}%
21999 \DefineTOCEntryLengthOption{numwidth}%
22000 {scr@tso@}{@numwidth}{entry number width}%
22001 \@ifundefined{#1tocdepth}{%
22002 \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
22003 \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
22004 \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
22005 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
22006 \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
22007 \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
22008 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
22009 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
22010 \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
22011 \expandafter\let\csname #1tocdepth\expandafter\endcsname
22012 \csname #1numdepth\endcsname
22013 }%
22014 }%
22015 }%

```



```

22016         }%
22017     }%
22018 }%
22019 }%
22020 }%
22021 }%
22022 }{}%
22023 \@ifundefined{scr@tso@#1@indent}{%
22024     \@ifundefined{scr@#1@tocindent}{%
22025         \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22026             \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22027                 \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
22028                     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
22029                         \scr@ifundefinedorrelax{l@chapter}{%
22030                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
22031                                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22032                                     \Ifstr{#1}{subsubsection}{%
22033                                         \@namedef{scr@tso@#1@indent}{3.8em}%
22034                                     }{%
22035                                         \Ifstr{#1}{paragraph}{%
22036                                             \@namedef{scr@tso@#1@indent}{7em}%
22037                                         }{%
22038                                             \Ifstr{#1}{subparagraph}{%
22039                                                 \@namedef{scr@tso@#1@indent}{10em}%
22040                                             }{%
22041                                                 }%
22042                                             }%
22043                                         }%
22044                                     }%
22045                                 }%
22046                             }{}%
22047                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22048                                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
22049                                     \Ifstr{#1}{subsubsection}{%
22050                                         \@namedef{scr@tso@#1@indent}{7.0em}%
22051                                     }{%
22052                                         \Ifstr{#1}{paragraph}{%
22053                                             \@namedef{scr@tso@#1@indent}{10em}%
22054                                         }{%
22055                                             \Ifstr{#1}{subparagraph}{%
22056                                                 \@namedef{scr@tso@#1@indent}{12em}%
22057                                             }{%
22058                                                 }%
22059                                             }%
22060                                         }%
22061                                     }%
22062                                 }%
22063                             }%
22064                         }%
22065                     }%
22066                 }%
22067             }%
22068         }{}%
22069         \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%

```



```

22070 }%
22071 }{}%
22072 \@ifundefined{scr@tso@#1@numwidth}{%
22073   \@ifundefined{scr@#1@tocnumwidth}{%
22074     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22075       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22076         \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
22077           \scr@ifundefinedorrelax{chapter}{%
22078             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
22079               \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22080                 \Ifstr{#1}{subsubsection}{%
22081                   \@namedef{scr@tso@#1@numwidth}{3.2em}%
22082                 }{%
22083                   \Ifstr{#1}{paragraph}{%
22084                     \@namedef{scr@tso@#1@numwidth}{4.1em}%
22085                   }{%
22086                     \Ifstr{#1}{subparagraph}{%
22087                       \@namedef{scr@tso@#1@numwidth}{5em}%
22088                     }{%
22089                       }%
22090                     }%
22091                   }%
22092                 }%
22093               }%
22094             }{}%
22095           \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22096             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
22097               \Ifstr{#1}{subsubsection}{%
22098                 \@namedef{scr@tso@#1@numwidth}{3.1em}%
22099               }{%
22100                 \Ifstr{#1}{paragraph}{%
22101                   \@namedef{scr@tso@#1@numwidth}{5em}%
22102                 }{%
22103                   \Ifstr{#1}{subparagraph}{%
22104                     \@namedef{scr@tso@#1@numwidth}{6em}%
22105                   }{%
22106                     }%
22107                   }%
22108                 }%
22109               }%
22110             }%
22111           }%
22112         }%
22113       }%
22114     }%
22115   }{}%
22116   \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
22117 }%
22118 }{}%
22119 }]{%
22120 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
22121   \ifnum \@nameuse{#1tocdepth}<\@ne
22122     \scr@ifundefinedorrelax{chapter}{%
22123       \addpenalty\@secpenalty

```



```

22124      \addvspace{1.0em \@plus\p@}%
22125    }{%
22126      \addpenalty{-\@highpenalty}%
22127      \vskip 1.0em \@plus\p@
22128    }%
22129  \else
22130    \addpenalty\@secpenalty
22131    \addvspace{1.0em \@plus\p@}%
22132  \fi
22133  \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
22134  \begingroup
22135    \parindent \z@ \bidi@rightskip \@pnumwidth
22136    \parfillskip -\@pnumwidth
22137    \leavevmode
22138    \bfseries
22139    \advance\bidi@leftskip\@tempdima
22140    \iftocfeature{\@currentt}{noindent}{%
22141      \hskip -\bidi@leftskip
22142    }{%
22143      \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
22144      \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
22145    }%
22146    ##1%
22147    \nobreak
22148    \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
22149    \par
22150    \penalty\@highpenalty
22151  \endgroup
22152  \fi
22153 }
22154
22155 \bidi@undef\scr@dte@def@l@largetocline
22156 \bidi@undef\scr@dte@largetocline@init
22157 \DeclareTOCEntryStyle{largetocline}[{%
22158   \DefineTOCEntryLengthOption{indent}%
22159   {scr@tso@}{@indent}{entry indent}%
22160   \@ifundefined{#1tocdepth}{%
22161     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
22162       \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
22163         \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
22164           \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
22165             \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
22166               \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
22167                 \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
22168                   \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
22169                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
22170                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
22171                         \csname #1numdepth\endcsname
22172                     }%
22173                   }%
22174                 }%
22175               }%
22176             }%
22177           }%

```




```

22178     }%
22179   }%
22180   }%
22181 }{}%
22182 \ifundefined{scr@tso@#1@indent}{%
22183   \ifundefined{scr@#1@tocindent}{%
22184     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22185       \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22186         \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
22187           \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
22188             \scr@ifundefinedorrelax{1@chapter}{%
22189               \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
22190                 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22191                   \Ifstr{#1}{subsubsection}{%
22192                     \@namedef{scr@tso@#1@indent}{3.8em}%
22193                   }%
22194                   \Ifstr{#1}{paragraph}{%
22195                     \@namedef{scr@tso@#1@indent}{7em}%
22196                   }%
22197                   \Ifstr{#1}{subparagraph}{%
22198                     \@namedef{scr@tso@#1@indent}{10em}%
22199                   }%
22200                 }%
22201               }%
22202             }%
22203           }%
22204         }%
22205       }%
22206       \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22207         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
22208           \Ifstr{#1}{subsubsection}{%
22209             \@namedef{scr@tso@#1@indent}{7.0em}%
22210           }%
22211           \Ifstr{#1}{paragraph}{%
22212             \@namedef{scr@tso@#1@indent}{10em}%
22213           }%
22214           \Ifstr{#1}{subparagraph}{%
22215             \@namedef{scr@tso@#1@indent}{12em}%
22216           }%
22217         }%
22218       }%
22219     }%
22220   }%
22221 }%
22222 }%
22223 }%
22224 }%
22225 }%
22226 }%
22227 }{%
22228   \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
22229 }%
22230 }{}%
22231 }]%

```



```

22232 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
22233   \ifnum \@nameuse{#1tocdepth}<\@ne
22234     \scr@ifundefinedorrelax{chapter}{%
22235       \addpenalty\@secpenalty
22236       \addvspace{2.25em \@plus\p@}%
22237     }{%
22238       \addpenalty{-\@highpenalty}%
22239       \addvspace{2.25em \@plus\p@}%
22240     }%
22241   \else
22242     \addpenalty\@secpenalty
22243     \addvspace{2.25em \@plus\p@}%
22244   \fi
22245   \setlength\@tempdima{3em}%
22246   \begingroup
22247     \parindent \z@ \bidi@rightskip \@pnumwidth
22248     \parfillskip -\@pnumwidth
22249     \leavevmode
22250     \large
22251     \bfseries
22252     \IfTocFeature{\@currentx}{noindent}{%
22253     }{%
22254       \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
22255     }%
22256     ##1%
22257     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
22258     \par
22259     \nobreak
22260     \ifnum 0=
22261       \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
22262       \global\@nobreaktrue
22263       \everypar{\global\@nobreakfalse\everypar{}}%
22264     \fi
22265   \endgroup
22266 \fi
22267 }
22268
22269 \renewcommand*{\scr@dte@tocline}[3]{%
22270   \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
22271   \else
22272     \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
22273     \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
22274     \@nameuse{Ifscr@tso@#1@dynindent}{%
22275       \expandafter\ifx\csname scr@tso@#1@indentfollows\endcsname\@empty
22276       \PackageWarning{tocbasic}{`dynindent' for `#1' not available}%
22277     \else
22278       \edef\reserved@a{\@nameuse{scr@tso@#1@indentfollows}}%
22279       \@for \reserved@a:=\reserved@a\do {%
22280         \scr@trim@spaces\reserved@a
22281         \ifx\reserved@a\@empty\else
22282           \scr@ifundefinedorrelax{\reserved@a tocdepth}{%
22283           }{%
22284             \ifnum \@nameuse{\reserved@a tocdepth}<\@nameuse{#1tocdepth}%
22285             \@tempdima\@nameuse{scr@tso@\reserved@a @indent}\relax

```



```

22286         \@nameuse{Ifscr@tso@\reserved@a @dynnumwidth}{%
22287         \scr@ifundefinedorrelax
22288         {scr@dte@\reserved@a @lastmaxnumwidth}{%
22289         \advance\@tempdima
22290         \@nameuse{scr@tso@\reserved@a @numwidth}\relax
22291         }{%
22292         \advance\@tempdima
22293         \@nameuse{scr@dte@\reserved@a @lastmaxnumwidth}\relax
22294         }%
22295     }{%
22296         \advance\@tempdima
22297         \@nameuse{scr@tso@\reserved@a @numwidth}\relax
22298     }%
22299     \ifdim \@tempdima>\@nameuse{scr@tso@#1@indent}\relax
22300     \expandafter\edef\csname scr@tso@#1@indent\endcsname
22301     {\the\@tempdima}%
22302     \fi
22303     \fi
22304     }%
22305     \fi
22306     }%
22307     \fi
22308     }{}%
22309     {%
22310         \Ifocfeature{\@currentx}{noindent}{%
22311             \bidi@leftskip \z@
22312         }{%
22313             \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
22314         }%
22315         \bidi@rightskip \@nameuse{scr@tso@#1@rightindent}\relax
22316         \parfillskip -\bidi@rightskip
22317         \@nameuse{Ifscr@tso@#1@raggedpage}{%
22318             \addtolength{\parfillskip}{\z@ \@plus 1fil}%
22319         }{}%
22320         \Ifocfeature{\@currentx}{noindent}{%
22321             \parindent \z@
22322         }{%
22323             \parindent \@nameuse{scr@tso@#1@indent}\relax
22324         }%
22325         \@afterindenttrue
22326         \interlinepenalty\@M
22327         \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
22328             \addtolength\bidi@rightskip\@flushglue
22329         \else
22330             \def\reserved@a{\raggedright}%
22331             \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
22332                 \addtolength\bidi@rightskip\@flushglue
22333             \else
22334                 \renewcommand\reserved@a{\raggedright}%
22335                 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
22336                     \addtolength\bidi@rightskip\@flushglue
22337             \fi
22338         \fi
22339     \fi

```



```

22340 \leavevmode
22341 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
22342 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
22343   \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
22344   \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
22345     \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
22346   \fi
22347 }%
22348 }{}%
22349 \advance\@bidi@leftskip \@tempdima
22350 \null\nobreak\hskip -\@bidi@leftskip
22351 {%
22352   \usetocbasicnumberline
22353   \let\scr@dte@numberline@box\@numberline@box
22354   \def\@numberline@box##1{%
22355     \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
22356     \global\scr@dte@tocline@numberwidth
22357     \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
22358     \relax
22359     \ifdim \scr@dte@tocline@numberwidth
22360       >\@nameuse{scr@dte@#1@maxnumwidth}\relax
22361     \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
22362   \fi
22363   \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
22364   \ifdim \scr@dte@tocline@numberwidth
22365     >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
22366     +\@nameuse{scr@tso@#1@numsep}\relax\relax
22367     \PackageWarning{tocbasic}{%
22368       number width of #1 toc entries should be
22369       increased!\MessageBreak
22370       Currently used number width =
22371       \the\wd\scr@dte@tocline@numbox,\MessageBreak
22372       Wanted number separation
22373       \space\space\space =
22374       \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
22375       Reserved number width \space\space\space\space\space\space =
22376       \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
22377     }%
22378   \fi
22379 }%
22380 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
22381 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
22382   {\parfillskip\@flushglue\par}\nobreak\hskip-\@bidi@leftskip
22383 }{}%
22384 }%
22385 {\@nameuse{scr@tso@#1@entryformat}{%
22386   #2%
22387   \nobreak
22388   {%
22389     \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
22390     \nobreak
22391     \expandafter\let\expandafter\scr@dte@pagenumberwidth
22392     \csname scr@tso@#1@pagenumberwidth\endcsname
22393     \@nameuse{scr@tso@#1@pagenumberbox}{%

```



```

22394         \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
22395     }%
22396 }%
22397 }}\@par
22398 }%
22399 }%
22400 \tocbasic@SetPenaltyByTOCLevel{#1}%
22401 \fi
22402 }
22403
22404
22405 \bidi@undef\scr@dte@def@1@tocline
22406 \bidi@undef\scr@dte@tocline@init
22407 \DeclareTOCEntryStyle{tocline}[{%
22408     \DefineTOCEntryLengthOption{beforeskip}%
22409     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
22410     \DefineTOCEntryIfOption{breakafternumber}%
22411     {scr@tso@}{@breakafternumber}{line break after number flag}%
22412     \DefineTOCEntryIfOption{dynnumwidth}%
22413     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
22414     \DefineTOCEntryListOption{indentfollows}%
22415     {scr@tso@}{@indentfollows}{list of levels that define the indent}%
22416     \DefineTOCEntryIfOption{dynindent}%
22417     {scr@tso@}{@dynindent}{dynamic indent width flag}%
22418     \DefineTOCEntryCommandOption{entryformat}%
22419     {scr@tso@}{@entryformat}[1]{entry format}%
22420     \DefineTOCEntryCommandOption{entrynumberformat}%
22421     {scr@tso@}{@numberformat}[1]{entry number format}%
22422     \DefineTOCEntryCommandOption{linefill}[{\TOCLineLeaderFill}]%
22423     {scr@tso@}{@linefill}{filling between text and page number}%
22424     \DefineTOCEntryLengthOption{numsep}%
22425     {scr@tso@}{@numsep}{entry number separation}%
22426     \DefineTOCEntryCommandOption{onstarthigherlevel}%
22427     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
22428     \DefineTOCEntryCommandOption{onstartlowerlevel}%
22429     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
22430     \DefineTOCEntryCommandOption{onstartsamelevel}%
22431     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
22432     \DefineTOCEntryCommandOption{pagenumberbox}%
22433     {scr@tso@}{@pagenumberbox}[1]{page number box}%
22434     \DefineTOCEntryCommandOption{pagenumberformat}%
22435     {scr@tso@}{@pagenumberformat}[1]{page number format}%
22436     \DefineTOCEntryLengthOption{pagenumberwidth}%
22437     {scr@tso@}{@pagenumberwidth}{width of page number box}%
22438     \DefineTOCEntryLengthOption{rightindent}%
22439     {scr@tso@}{@rightindent}{entry's text right indent}%
22440     \DefineTOCEntryOption{raggedentrytext}[true]{%
22441         \FamilySetBool{KOMAarg}{raggedentrytext}{@tempswa}{##1}%
22442         \ifx\FamilyKeyState\FamilyKeyStateProcessed
22443             \if@tempswa
22444                 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
22445                 \raggedright
22446             \else
22447                 \expandafter\let\csname ragged\scr@dte@current entry\endcsname

```



```

22448         \relax
22449         \fi
22450     \fi
22451 }%
22452 \DefineTOCEntryIfOption{raggedpagenumber}%
22453     {scr@tso@}{@raggedpage}{page number ragged flag}%
22454 \DefineTOCEntryLengthOption{indent}%
22455     {scr@tso@}{@indent}{entry indent}%
22456 \DefineTOCEntryLengthOption{numwidth}%
22457     {scr@tso@}{@numwidth}{entry number width}%
22458 \scr@ifundefinedorrelax{#1tocdepth}{%
22459     \Ifstrstart{#1}{sub}{%
22460         \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
22461             \expandafter\edef\csname #1tocdepth\endcsname{%
22462                 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
22463             }%
22464         }%
22465     }{}%
22466 }{}%
22467 \@ifundefined{#1tocdepth}{%
22468     \Ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
22469         \Ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
22470             \Ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
22471                 \Ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
22472                     \Ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
22473                         \Ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
22474                             \Ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
22475                                 \Ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
22476                                     \Ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
22477                                         \expandafter\let\csname #1tocdepth\endcsname
22478                                             \csname #1numdepth\endcsname
22479                                     }%
22480                                 }%
22481                             }%
22482                         }%
22483                     }%
22484                 }%
22485             }%
22486         }%
22487     }{}%
22488 }{}%
22489 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
22490     \@ifundefined{scr@#1@tocindent}{%
22491         \Ifstrstart{#1}{sub}{%
22492             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
22493                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
22494                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
22495                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
22496                     \relax
22497                 }%
22498             }%
22499         }{}%
22500         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
22501             \expandafter\edef\csname scr@tso@#1@indent\endcsname{%

```



```

22502         \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@indent}%
22503         \relax
22504     }%
22505 }{%
22506     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
22507         \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@indent}%
22508         +\noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%
22509         \relax
22510     }%
22511 }%
22512 }%
22513 }{}%
22514 }{%
22515     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
22516 }%
22517 }{}%
22518 \scr@ifundefinedorrelax{scr@tso@#1@pagenumberwidth}{%
22519     \Ifstrstart{#1}{sub}{%
22520         \scr@ifundefinedorrelax{scr@tso@scr@dte@nosub{#1}@pagenumberwidth}{%
22521             \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
22522         }{%
22523             \expandafter\let
22524             \csname scr@tso@#1@pagenumberwidth\expandafter\endcsname
22525             \csname scr@tso@scr@dte@nosub{#1}@pagenumberwidth\endcsname
22526         }%
22527     }{%
22528         \@namedef{scr@tso@#1@pagenumberwidth}{\@pnumwidth}%
22529     }%
22530 }{}%
22531 \scr@ifundefinedorrelax{scr@tso@#1@rightindent}{%
22532     \Ifstrstart{#1}{sub}{%
22533         \scr@ifundefinedorrelax{scr@tso@scr@dte@nosub{#1}@rightindent}{%
22534             \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
22535         }{%
22536             \expandafter\let
22537             \csname scr@tso@#1@rightindent\expandafter\endcsname
22538             \csname scr@tso@scr@dte@nosub{#1}@rightindent\endcsname
22539         }%
22540     }{%
22541         \@namedef{scr@tso@#1@rightindent}{\@tocrmarg}%
22542     }%
22543 }{}%
22544 \@ifundefined{scr@tso@#1@indent}{%
22545     \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22546     \Ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22547     \Ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
22548     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
22549         \scr@ifundefinedorrelax{l@chapter}{%
22550             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
22551             \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22552             \Ifstr{#1}{subsubsection}{%
22553                 \@namedef{scr@tso@#1@indent}{3.8em}%
22554             }{%
22555                 \Ifstr{#1}{paragraph}{%

```



```

22556         \@namedef{scr@tso@#1@indent}{7em}%
22557     }{%
22558         \Ifstr{#1}{subparagraph}{%
22559             \@namedef{scr@tso@#1@indent}{10em}%
22560         }{%
22561             }%
22562         }%
22563     }%
22564 }%
22565 }%
22566 }{%
22567     \Ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
22568         \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
22569             \Ifstr{#1}{subsubsection}{%
22570                 \@namedef{scr@tso@#1@indent}{7.0em}%
22571             }{%
22572                 \Ifstr{#1}{paragraph}{%
22573                     \@namedef{scr@tso@#1@indent}{10em}%
22574                 }{%
22575                     \Ifstr{#1}{subparagraph}{%
22576                         \@namedef{scr@tso@#1@indent}{12em}%
22577                     }{%
22578                         }%
22579                     }%
22580                 }%
22581             }%
22582         }%
22583     }%
22584 }%
22585 }%
22586 }%
22587 }%
22588 }{%
22589     \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
22590         \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
22591             \Ifstrstart{#1}{sub}{%
22592                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
22593                     \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
22594                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
22595                         +.9em%
22596                     }%
22597                 }%
22598             }%
22599         }{%
22600             }%
22601             \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
22602         }%
22603     }{%
22604         \@ifundefined{scr@tso@#1@numwidth}{%
22605             \Ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22606                 \Ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22607                     \Ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
22608                         \scr@ifundefinedorrelax{chapter}{%
22609                             \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%

```




```

22610 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22611 \Ifstr{#1}{subsubsection}{%
22612 \@namedef{scr@tso@#1@numwidth}{3.2em}%
22613 }{%
22614 \Ifstr{#1}{paragraph}{%
22615 \@namedef{scr@tso@#1@numwidth}{4.1em}%
22616 }{%
22617 \Ifstr{#1}{subparagraph}{%
22618 \@namedef{scr@tso@#1@numwidth}{5em}%
22619 }{%
22620 }%
22621 }%
22622 }%
22623 }%
22624 }%
22625 }{%
22626 \Ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
22627 \Ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
22628 \Ifstr{#1}{subsubsection}{%
22629 \@namedef{scr@tso@#1@numwidth}{3.1em}%
22630 }{%
22631 \Ifstr{#1}{paragraph}{%
22632 \@namedef{scr@tso@#1@numwidth}{5em}%
22633 }{%
22634 \Ifstr{#1}{subparagraph}{%
22635 \@namedef{scr@tso@#1@numwidth}{6em}%
22636 }{%
22637 }%
22638 }%
22639 }%
22640 }%
22641 }%
22642 }%
22643 }%
22644 }%
22645 }%
22646 }{}%
22647 \expandafter\renewcommand%
22648 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
22649 \expandafter\renewcommand%
22650 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
22651 \expandafter\renewcommand%
22652 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
22653 \@ifundefined{scr@tso@#1@beforeskip}{%
22654 \Ifstr{#1}{part}{%
22655 \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
22656 }{%
22657 \Ifstr{#1}{chapter}{%
22658 \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
22659 }{%
22660 \Ifstr{#1}{section}{%
22661 \scr@ifundefinedorrelax{1@chapter}{%
22662 \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
22663 }{}%

```



```

22664     }{}%
22665   }%
22666 }%
22667   \expandafter\renewcommand\expandafter*%
22668   \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
22669 }{}%
22670 \ifundefined{scr@dte@#1@maxnumwidth}{%
22671   \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
22672   \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
22673 }{}%
22674 \renewcommand*{\scr@dte@donumwidth}{%
22675   \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
22676 \expandafter\renewcommand\expandafter*%
22677 \csname scr@tso@#1@numsep\endcsname{.4em}%
22678 \expandafter\renewcommand%
22679 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
22680 \Ifstr{#1}{part}{%
22681   \expandafter\providecommand%
22682   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
22683 }{}%
22684 \Ifstr{#1}{chapter}{%
22685   \expandafter\providecommand%
22686   \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
22687 }{}%
22688 \scr@ifundefinedorrelax{1@chapter}{%
22689   \Ifstr{#1}{section}{%
22690     \expandafter\providecommand%
22691     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
22692   }{}%
22693 }{}%
22694 \expandafter\providecommand%
22695 \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
22696 }%
22697 }%
22698 \expandafter\renewcommand
22699 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
22700 \ifundefined{scr@tso@#1@linefill}{%
22701   \Ifstr{#1}{part}{%
22702     \@namedef{scr@tso@#1@linefill}{\hfill}%
22703   }{}%
22704   \Ifstr{#1}{chapter}{%
22705     \@namedef{scr@tso@#1@linefill}{\hfill}%
22706   }{}%
22707   \scr@ifundefinedorrelax{1@chapter}{%
22708     \Ifstr{#1}{section}{%
22709       \@namedef{scr@tso@#1@linefill}{\hfill}%
22710     }{}%
22711   }{}%
22712   \expandafter\renewcommand%
22713   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
22714 }%
22715 }%
22716 }{}%
22717 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%

```



```

22718 \Ifstr{#1}{part}{%
22719   \expandafter\providecommand%
22720   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
22721 }{%
22722   \Ifstr{#1}{chapter}{%
22723     \expandafter\providecommand%
22724     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
22725   }{%
22726     \scr@ifundefinedorrelax{1@chapter}{%
22727       \Ifstr{#1}{section}{%
22728         \expandafter\providecommand%
22729         \csname scr@tso@#1@pagenumberformat\endcsname[1]{\bfseries ##1}%
22730       }{%
22731       }{%
22732         \expandafter\providecommand%
22733         \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
22734           {\normalfont\normalcolor ##1}}%
22735       }%
22736     }%
22737   \expandafter\renewcommand%
22738   \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
22739     \hb@xt@{\nameuse{scr@dte@pagenumberwidth}}{\hfil ##1}}%
22740   \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
22741   \expandafter\renewcommand\csname Ifscr@tso@#1@dynindent\endcsname[2]{##2}%
22742   \scr@ifundefinedorrelax{scr@tso@#1@indentfollows}{%
22743     \Ifstrstart{#1}{sub}{%
22744       \expandafter\edef\csname scr@tso@#1@indentfollows\endcsname{%
22745         \scr@dte@nosub{#1}%
22746       }%
22747     }{%
22748       \expandafter\let\csname scr@tso@#1@indentfollows\endcsname\@empty
22749     }%
22750   }{%
22751   }%
22752   \scr@dte@tocline{#1}{##1}{##2}%
22753 }
22754
22755 \renewcommand*{\scr@tso@figure@pagenumberformat}[1]{%
22756   {\normalfont\normalcolor #1}%
22757 }
22758
22759 \renewcommand*{\scr@tso@table@pagenumberformat}[1]{%
22760   {\normalfont\normalcolor #1}%
22761 }
22762

```

150 File tocstyle-xetex-bidi.def

```

22763 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
22764 \renewcommand*{\tocstyle@dottedtocline}[5]{%
22765   \let\numberline\tocstyle@numberline
22766   \ifnum #1>\c@tocdepth \else
22767     \if@tocstyle@penalties
22768       \begingroup

```



```

22769      \@tempcnta 20010
22770      \advance \@tempcnta by -#1
22771      \ifnum \@tempcnta>\lastpenalty
22772        \aftergroup\penalty\aftergroup\@lowpenalty
22773      \fi
22774    \endgroup
22775  \fi
22776  \edef\tocstyledepth{#1}%
22777  \tocstyle@activate@features
22778  \ifx\tocstyle@feature@entryvskip\relax
22779    \vskip \z@ \@plus.2\p@
22780  \else
22781    \addvspace{\tocstyle@feature@entryvskip}%
22782  \fi
22783  {%
22784    \parskip \z@ \parindent \z@ \if@RTL\righskip\else\leftskip\fi \z@ \if@RTL\leftskip\el
22785    \tocstyle@feature@raggedhook
22786    \@tempdima #3\relax
22787    \@tempdimb #2\relax
22788    \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
22789    \ifnum #1>\z@\relax
22790      \@tempcnta #1\relax \advance\@tempcnta \m@ne
22791      \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
22792        \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
22793          \@tempdimb
22794          \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
22795          \advance\@tempdimb
22796          \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
22797        \fi
22798      \fi
22799    \fi
22800    \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
22801    \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
22802      \ifdim \@tempdimb>
22803        \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
22804        \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
22805          @#1\endcsname{\the\@tempdimb}%
22806      \fi
22807    \else
22808      \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
22809        @#1\endcsname{\the\@tempdimb}%
22810    \fi
22811    \iftocstyle@autolength
22812      \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
22813        \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
22814        \relax
22815      \fi
22816      \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
22817        \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
22818        \relax
22819      \fi
22820      \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
22821      \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
22822    \else

```



```

22823      \@tempdimb #2\relax
22824      \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
22825    \fi
22826    \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
22827      \ifdim \@tempdima>
22828        \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
22829        \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
22830          @\endcsname{\the\@tempdima}%
22831      \fi
22832    \else
22833      \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
22834        @\endcsname{\the\@tempdima}%
22835    \fi
22836    \ifcase\tocstyle@indentstyle\relax\else
22837      \@tempdimb \z@
22838      \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
22839        \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
22840        \relax
22841      \fi
22842      \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
22843      \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
22844    \fi
22845    \advance\parindent \@tempdimb\@afterindenttrue
22846    \advance\if@RTL\rightskip\else\leftskip\fi \parindent
22847    \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
22848    \parfillskip -\if@RTL\leftskip\else\rightskip\fi
22849    \ifx\tocstyle@feature@parfillskip\relax\else
22850      \advance\parfillskip \tocstyle@feature@parfillskip\relax
22851    \fi
22852    \interlinepenalty\@M
22853    \leavevmode
22854    \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
22855    \null\nobreak
22856    \iftocstyle@indentnotnumbered\else
22857      \hskip -\if@RTL\rightskip\else\leftskip\fi
22858    \fi
22859    \tocstyle@feature@entryhook
22860    {#4}\nobreak
22861    \ifx\tocstyle@feature@leaders\relax
22862      \leaders\hbox{$\m@th
22863        \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
22864        \mkern \@dotsep mu$}\hfill
22865    \else
22866      \tocstyle@feature@leaders
22867    \fi
22868    \nobreak
22869    \ifx\tocstyle@feature@pagenumberbox\relax
22870      \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
22871    \else
22872      \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
22873    \fi
22874    \par
22875  }%
22876  \if@tocstyle@penalties

```



```

22877 \bgroup
22878 \@tempcnta 20009
22879 \advance\@tempcnta by -#1
22880 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
22881 \reserved@a
22882 \fi
22883 \fi}
22884 \renewcommand*{\tocstyle@numberline}[1]{%
22885 \beginngroup
22886 \ifx\tocstyle@feature@spaceafternumber\relax
22887 \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
22888 \else
22889 \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
22890 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
22891 \fi
22892 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
22893 \ifdim \@tempdima >
22894 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
22895 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
22896 @\tocstyledepth\endcsname{\the\@tempdima}%
22897 \fi
22898 \else
22899 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
22900 @\tocstyledepth\endcsname{\the\@tempdima}%
22901 \fi
22902 \endgroup
22903 \iftocstyle@indentnotnumbered
22904 \hskip -\if@RTL\rightskip\else\leftskip\fi
22905 \fi
22906 \ifcase \tocstyle@indentstyle
22907 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
22908 \or
22909 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
22910 \else
22911 \ifx\tocstyle@feature@spaceafternumber\relax
22912 \hbox{\tocstyle@@numberline{#1}\enskip}%
22913 \else
22914 \hbox{\tocstyle@@numberline{#1}\hskip
22915 \tocstyle@feature@spaceafternumber\relax}%
22916 \fi
22917 \fi
22918 }
22919 \AtBeginDocument{%
22920 \ifcsname l@part\endcsname
22921 \ifcsname l@chapter\endcsname
22922 \setbox\@tempboxa\vbox{\hsize\maxdimen
22923 \l@part{\tocstyle@l@define{part}{-1}}}%
22924 \else
22925 \setbox\@tempboxa\vbox{\hsize\maxdimen
22926 \l@part{\tocstyle@l@define{part}{0}}}%
22927 \fi
22928 \fi
22929 \ifcsname l@chapter\endcsname
22930 \setbox\@tempboxa\vbox{\hsize\maxdimen

```



```

22931 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
22932 \fi
22933 \ifcsname l@section\endcsname
22934 \setbox\@tempboxa\vbox{\hsize\maxdimen
22935 \l@section{\tocstyle@l@define{section}{1}}{}}%
22936 \fi
22937 \ifcsname l@subsection\endcsname
22938 \setbox\@tempboxa\vbox{\hsize\maxdimen
22939 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
22940 \fi
22941 \ifcsname l@subsubsection\endcsname
22942 \setbox\@tempboxa\vbox{\hsize\maxdimen
22943 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
22944 \fi
22945 \ifcsname l@paragraph\endcsname
22946 \setbox\@tempboxa\vbox{\hsize\maxdimen
22947 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
22948 \fi
22949 \ifcsname l@subparagraph\endcsname
22950 \setbox\@tempboxa\vbox{\hsize\maxdimen
22951 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
22952 \fi
22953 \ifcsname l@table\endcsname
22954 \setbox\@tempboxa\vbox{\hsize\maxdimen
22955 \l@table{\tocstyle@l@define{table}{1}}{}}%
22956 \fi
22957 \ifcsname l@figure\endcsname
22958 \setbox\@tempboxa\vbox{\hsize\maxdimen
22959 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
22960 \fi
22961 \def\@tempa#1#2#3#4#5{%
22962 \ifnum #1>\c@tocdepth \else
22963 \vskip \z@ \@plus.2\p@
22964 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@toc
22965 \parindent #2\relax\@afterindenttrue
22966 \interlinepenalty\@M
22967 \leavevmode
22968 \@tempdima #3\relax
22969 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
22970 {#4}\nobreak
22971 \leaders\hbox{$\m@th
22972 \mkern \dotsep mu\hbox{.}\mkern \dotsep
22973 mu$}\hfill
22974 \nobreak
22975 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
22976 \par}%
22977 \fi}%
22978 \ifx\@dottedtocline\@tempa\else
22979 \tocstyle@macrochangewarning\@dottedtocline
22980 \fi
22981 \let\tocstyle@saved@dottedtocline\@dottedtocline
22982 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
22983 \ifx\numberline\@tempa\else
22984 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%

```



```

22985 \ifx\numberline@tempa\else
22986 \tocstyle@macrochangewarning\numberline
22987 \fi
22988 \fi
22989 \let\tocstyle@saved@numberline\numberline
22990 }
22991 \renewcommand*{\tocstyle@l@define}[2]{%
22992 \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
22993 \edef\@tempa{%
22994 \noexpand\global\noexpand\let
22995 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
22996 \expandafter\noexpand\csname l@#1\endcsname
22997 \noexpand\gdef
22998 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
22999 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
23000 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
23001 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
23002 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
23003 }%
23004 }%
23005 \PackageInfo{tocstyle}{prepare \expandafter\string
23006 \csname l@#1\endcsname\space for redefinition}%
23007 \@tempa
23008 }

```

151 File `todonotes-xetex-bidi.def`

```

23009 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
23010 \newif\if@bidi@todonotes@textdirection@RTL
23011 \newif\if@bidi@todonotes@figposition@right
23012 \newcommand{\@bidi@todonotes@align}{}%
23013 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
23014 \newcommand{\@bidi@todonotes@textdirection}{}%
23015 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
23016 \ifcase\@bidi@todonotes@tempb\relax
23017 \@bidi@todonotes@textdirection@RTLtrue
23018 \let\@bidi@todonotes@textdirection\RLE
23019 \or
23020 \@bidi@todonotes@textdirection@RTLfalse
23021 \let\@bidi@todonotes@textdirection\LRE
23022 \fi}
23023 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
23024 \ifcase\@bidi@todonotes@tempb\relax
23025 \@bidi@todonotes@figposition@righttrue
23026 \or
23027 \@bidi@todonotes@figposition@rightfalse
23028 \fi}
23029 \if@todonotes@disabled%
23030 \else % \if@todonotes@disabled
23031 \renewcommand{\@todonotes@drawInlineNote}{%
23032 \if@todonotes@dviStyle%
23033 {\par\noindent\begin{tikzpicture}[remember picture]%
23034 \draw node[inline notestyle] {};\end{tikzpicture}\par}%
23035 \if@todonotes@authorgiven%

```




```

23036         {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
23037     \else%
23038         {\noindent \@todonotes@sizecommand \@todonotes@text}%
23039     \fi
23040     {\par\noindent\begin{tikzpicture}[remember picture]%
23041         \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
23042 \else%
23043     {\par\noindent\begin{tikzpicture}[remember picture]%
23044         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
23045         \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@
23046             \if@todonotes@authorgiven%
23047                 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text
23048             \else%
23049                 {\noindent \@todonotes@sizecommand \@todonotes@text}%
23050             \fi};%
23051         \end{tikzpicture}\par}%
23052 \fi}%
23053 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
23054 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
23055     \node [coordinate] (inText) {};%
23056 \end{tikzpicture}%
23057 \marginpar[{} Draw note in left margin
23058     \@todonotes@drawMarginNote%
23059     \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
23060 }]{% Draw note in right margin
23061     \@todonotes@drawMarginNote%
23062     \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
23063 }%
23064 }%
23065 \renewcommand{\@todonotes@drawMarginNote}{%
23066 \if@todonotes@dviStyle%
23067     \begin{tikzpicture}[remember picture]%
23068         \draw node[notestyle] {};%
23069     \end{tikzpicture}\\%
23070     \begin{minipage}{\@todonotes@textwidth}%
23071         \if@todonotes@authorgiven%
23072             \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
23073         \else%
23074             \@todonotes@sizecommand \@todonotes@text%
23075         \fi%
23076     \end{minipage}\\%
23077     \begin{tikzpicture}[remember picture]%
23078         \draw node[notestyle] (inNote) {};%
23079     \end{tikzpicture}%
23080 \else%
23081     \let\originalHbadness\hbadness%
23082     \hbadness 100000%
23083     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
23084         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
23085         \node(X){\vphantom{X}};%
23086         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@
23087             {\@todonotes@text};%
23088         \if@todonotes@authorgiven%
23089             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@

```



```

23090          {\@todonotes@sizecommand\@todonotes@author}};%
23091          \node(Y)[below=of X]{};%
23092          \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todo
23093                {\@todonotes@text}};%
23094          \else%
23095          \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todo
23096                {\@todonotes@text}};%
23097          \fi%
23098          \end{tikzpicture}}%
23099          \hbadness \originalHbadness%
23100 \fi}%
23101 \renewcommand{\missingfigure}[2][]{%
23102 \setkeys{todonotes}{#1}%
23103 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
23104 \par
23105 \noindent
23106 \begin{tikzpicture}
23107 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
23108      (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
23109 \if@bidi@todonotes@figposition@right%
23110 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
23111 \fi%
23112 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
23113      (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
23114 \if@bidi@todonotes@figposition@right%
23115 \end{scope}
23116 \begin{scope}[xshift=-3.8cm]
23117 \fi%
23118 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
23119 \draw (2, -0.3) node[right, text
23120      width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
23121 \if@bidi@todonotes@figposition@right%
23122 \end{scope}
23123 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
23124 \fi%
23125 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
23126 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
23127 \if@bidi@todonotes@figposition@right%
23128 \end{scope}
23129 \fi%
23130 \end{tikzpicture}}\hfill
23131 }% Ending \missingfigure command
23132 \fi % Ending \@todonotes@ifdisabled
23133 \presetkeys%
23134 {todonotes}%
23135 {align=left,%
23136 textdirection=lefttoright,%
23137 figposition=left}{}%

```

152 File wrapfig-xetex-bidi.def

```

23138 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package f
23139 \let\WF@@everypar\@everypar
23140 \def\WF@putfigmaybef%

```



```

23141 \ifinner
23142 \vskip-\parskip \global\WF@floatfalse
23143 \let\pagetotal\maxdimen % kludge flag for "not top of page"
23144 \else % outer page
23145 \@tempdima\pagedepth % save page depth
23146 {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
23147 \penalty\interlinepenalty % update pg. parameters
23148 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
23149 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
23150 \global\WF@floatfalse
23151 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
23152 \else
23153 \ifdim\WF@size>\@tempdimb
23154 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
23155 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
23156 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
23157 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
23158 \advance\dimen@.5\baselineskip
23159 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
23160 \global\WF@floatfalse \pagebreak
23161 \fi
23162 \else % \WF@info{Fits in \the\@tempdimb;}%
23163 \global\WF@floatfalse
23164 \fi\fi
23165 \vskip\@tempdima\relax % (return erased page depth)
23166 \fi
23167 \noindent
23168 \ifWF@float
23169 \WF@fltmes
23170 \else % putting here;
23171 \WF@info{Put \WF@wfname here:}%
23172 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
23173 \lccode`i`\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
23174 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
23175 \hbox to \z@{\% llap or rlap depending on {l} or {r}; calc effective width
23176 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
23177 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
23178 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
23179 \xdef\WF@adjlw{\the\@tempdima}%
23180 \ifnum `l=\WF@place % fig on left
23181 \if@RTL%
23182 \kern\@tempdimb \kern\columnsep
23183 \def\@tempa{\hss}% position to left of the gap
23184 \else%
23185 \hss % figure overlaps space to the left
23186 \def\@tempa{\kern\columnsep}% position to left of the gap
23187 \fi%
23188 \else % fig on right
23189 \if@RTL%
23190 \hss
23191 \@tempdima\z@
23192 \def\@tempa{\kern\columnsep}
23193 \else%
23194 \@tempdima\z@ % no left indentation

```



```

23195 \kern\@tempdimb \kern\columnsep
23196 \def\@tempa{\hss}% figure overlaps space to the right
23197 \fi%
23198 \fi
23199 \ifdim\@tempdimb<\hsize
23200 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
23201 \xdef\WF@adjtlm{\the\@tempdima}%
23202 \else
23203 \xdef\WF@wrapil{\z@ \the\hsize}%
23204 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
23205 \fi
23206 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
23207 \global\advance\WF@size-\intextsep
23208 \else % \WF@info{Putting \WF@wfname in middle of page}%
23209 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
23210 \fi \dp\WF@box\z@ \box\WF@box \@tempa
23211 }% end \hbox to Opt
23212 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
23213 \fi}

```

153 File xcolor-xetex-bidi.def

```

23214 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for
23215 \long\def\color@b@x#1#2#3%
23216 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
23217 \setbox\z@\hbox{\kern\fbboxsep\setcolor\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
23218 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
23219 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
23220 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
23221 \def\normalcolor{\let\currentcolor\defaultcolor\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
23222 \DeclareRobustCommand\color
23223 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]}
23224 \def\@undeclaredcolor[#1]#2%
23225 {\begingroup
23226 \let\@ccls\@empty
23227 \XC@getmodclr12{#1}{#2}{}%
23228 {\ifblendcolors
23229 \ifx\colorblend\@empty\else
23230 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
23231 \XC@coremodel\@mod\@clr\xcolor@{}{}\@mod\@clr
23232 \fi
23233 \fi
23234 \ifconvertcolorsU
23235 \edef\@tmp{\XC@tgt@mod{\@mod}}%
23236 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
23237 \fi
23238 \ifmaskcolors
23239 \convertcolorspec\@mod\@clr\XC@mmod\@clr
23240 \let\@mod\XC@mmod
23241 \XC@inflate\@mod\XC@mclr\@clr\@tmp
23242 \expandafter\XC@mul\@tmp,\@clr
23243 \fi
23244 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
23245 \expandafter\endgroup\@tmp}}

```



```

23246 \def\@declaredcolor#1%
23247 {\XC@edef\XC@tmp{#1}\XC@tstfalse
23248 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
23249 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
23250 \ifconvertcolorsU\XC@tsttrue\fi
23251 \fi
23252 \ifXC@tst
23253 \expandafter\XC@declaredcolor\else
23254 \expandafter\XC@declaredcolor\fi}
23255 \def\XC@undeclaredcolor#1#2%
23256 {\@ifundefinedmodel{#1}%
23257 {\c@lor@error{model `#1'}}%
23258 {\@nameuse{color@#1}\current@color{#2}}%
23259 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
23260 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
23261 \def\XC@declaredcolor
23262 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
23263 \edef\current@color{\XC@current@color}%
23264 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
23265 \DeclareRobustCommand\bidicolor
23266 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
23267 \def\@bidiundeclaredcolor[#1]#2%
23268 {\begingroup
23269 \let\@c@ls\@empty
23270 \XC@getmodclr12{#1}{#2}{}%
23271 {\ifblendcolors
23272 \ifx\colorblend\@empty\else
23273 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
23274 \XC@coremodel\@mod\@clr\xcolor@{}{\@mod\@clr
23275 \fi
23276 \fi
23277 \ifconvertcolorsU
23278 \edef\@tmp{\XC@tgtmod{\@mod}}%
23279 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
23280 \fi
23281 \ifmaskcolors
23282 \convertcolorspec\@mod\@clr\XC@mmod\@clr
23283 \let\@mod\XC@mmod
23284 \XC@inflate\@mod\XC@mclr\@clr\@tmp
23285 \expandafter\XC@mul\@tmp,\@clr
23286 \fi
23287 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
23288 \expandafter\endgroup\@tmp}}
23289 \def\XC@bidiundeclaredcolor#1#2%
23290 {\@ifundefinedmodel{#1}%
23291 {\c@lor@error{model `#1'}}%
23292 {\@nameuse{color@#1}\current@color{#2}}%
23293 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
23294 \XC@display}}
23295 \def\@bidideclaredcolor#1%
23296 {\XC@edef\XC@tmp{#1}\XC@tstfalse
23297 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
23298 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
23299 \ifconvertcolorsU\XC@tsttrue\fi

```



```

23300 \fi
23301 \ifXC@@tst
23302   \expandafter\XC@bidideclaredcolor\else
23303   \expandafter\XC@bidideclaredcolor\fi}
23304 \def\XC@bidideclaredcolor
23305 {\XC@split\XC@@tmp
23306  \edef\@@tmp{\noexpand\@bidiundeclaredcolor[\@@mod]{\@@clr}}%
23307  \expandafter\endgroup\@@tmp}
23308 \def\XC@bidideclaredcolor
23309 {\XC@let\Nc\XC@current@color{\string\color@\XC@@tmp}%
23310  \edef\current@color{\XC@current@color}%
23311  \XC@display}
23312 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
23313 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
23314 \def\color@fbbox#1#2#3#4%
23315 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
23316  {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
23317 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\setcolor\ifhmode

```

154 File latex-xetex-bidi.def

```

23318 \ProvidesFile{latex-xetex-bidi.def}[2022/06/10 v1.4.6 bidi adaptations for `latex.ltx' for
23319 \newcommand{\TeXXeTOn}{\TeXXeTstate\@ne}
23320 \newcommand{\TeXXeTOff}{\TeXXeTstate\z@}
23321 \TeXXeTOn
23322 \def\bidi@RTL@everypar{\setbox\z@\lastbox\ifRTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox
23323   \let\bidi@o@everypar=\everypar
23324   \newtoks\bidi@n@everypar
23325   \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
23326   \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
23327   \let\everypar=\bidi@n@everypar
23328 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
23329 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
23330 \protected\def\hboxR{\hbox\bgroup
23331 \everyhbox{%
23332 \aftergroup\egroup
23333 \everyhbox{%
23334 \beginR
23335 \@hboxRconstructtrue
23336 \bgroup
23337 \aftergroup\endR
23338 \aftergroup\egroup
23339 }\hbox}
23340 \protected\def\hboxL{\hbox\bgroup
23341 \everyhbox{%
23342 \aftergroup\egroup
23343 \everyhbox{%
23344 \beginL
23345 \@hboxRconstructfalse
23346 \bgroup
23347 \aftergroup\endL
23348 \aftergroup\egroup
23349 }\hbox}
23350 \protected\def\vboxR{\vbox\bgroup

```



```

23351 \everyvbox{%
23352 \aftergroup\egroup
23353 \everyvbox{}}%
23354 \@RTLtrue
23355 \@RTLtabtrue
23356 \bgroup
23357 \aftergroup\egroup
23358 }\vbox}
23359 \protected\def\vboxL{\vbox\bgroup
23360 \everyvbox{%
23361 \aftergroup\egroup
23362 \everyvbox{}}%
23363 \@RTLfalse
23364 \@RTLtabfalse
23365 \bgroup
23366 \aftergroup\egroup
23367 }\vbox}
23368 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
23369 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
23370 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@\bidi@beamer}
23371 \def\endLTR{\par}
23372 \newenvironment{LTR*}{\LTR
23373 \everypar{%
23374 {\setbox\z@\lastbox
23375 \ifvoid\z@
23376 \kern-\parindent
23377 \fi}%
23378 }%
23379 }\endLTR\@endpetrue}
23380 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@\bidi@beamer}
23381 \def\endRTL{\par}
23382 \newenvironment{RTL*}{\RTL
23383 \everypar{%
23384 {\setbox\z@\lastbox
23385 \ifvoid\z@
23386 \kern-\parindent
23387 \fi}%
23388 }%
23389 }\endRTL\@endpetrue}
23390 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\bidi@beamer@ragged}
23391 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\bidi@beamer@ragged}
23392 \let\unsetRTL=\setLTR
23393 \let\unsetLTR=\setRTL
23394 \let\LR=\LRE
23395 \let\RL=\RLE
23396 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
23397 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
23398 \let\@ensure@RL=\@ensure@RTL
23399 \let\@ensure@LR=\@ensure@LTR
23400 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
23401 \let\@ensure@maindir=\@ensure@dir
23402 \def\@RTL{RTL}
23403 \def\@LTR{LTR}
23404 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}

```



```

23405 \def\reset@dir{\ifx\saved@@dir\@@RTL\setRTL\else\ifx\saved@@dir\@@LTR\setLTR\else\relax\fi}%
23406 \let\@@TeX\TeX
23407 \def\TeX{\@ensure@LTR{\@@TeX}}
23408 \let\@@LaTeX\LaTeX
23409 \def\LaTeX{\@ensure@LTR{\@@LaTeX}}
23410 \let\@@LaTeXe\LaTeXe
23411 \def\LaTeXe{\@ensure@LTR{\@@LaTeXe}}
23412 \long\def\@bidi@reflect@box#1{%
23413   \leavevmode
23414   \setbox\z@\hbox{\{#1\}}%
23415   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
23416   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
23417 }
23418 \bidi@newrobustcmd*\XeTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
23419   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
23420 \bidi@newrobustcmd*\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
23421   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
23422 \let\setRL=\setRTL
23423 \let\setLR=\setLTR
23424 \let\unsetRL=\setLTR
23425 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
23426 \ifpackageloaded{array}{%
23427   \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
23428     \leavevmode
23429     \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
23430       \let\dollarend\end\group
23431     \@tabarray}
23432 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
23433 }{%
23434 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
23435   \leavevmode \hbox \bgroup
23436   $\left.\let\@acol\@tabacol
23437   \let\@classz\@tabclassz
23438   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
23439
23440 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
23441   \egroup\right\rbrace $\egroup}}
23442 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
23443   \ialign{##\hfil$\&\quad{##}\hfil\crr#1\crr}}\,,\right\}}
23444 \renewenvironment{RTLcases}{%
23445   \bidi@matrix@check\RTLcases\env@RTLcases
23446 }{%
23447   \endbidi@tabular@RTLcases%
23448 }
23449 \def\env@RTLcases{%
23450   \let\@ifnextchar\bidi@new@ifnextchar
23451   \def\arraystretch{1.2}%
23452   \bidi@tabular@RTLcases{@}r@{\quad}r@{}%
23453 }
23454 \def\SepMark#1{\gdef\@SepMark{#1}}
23455 \SepMark{.}
23456 \def\@thmcountersep{\@SepMark}
23457 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
23458 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}

```




```

23459 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
23460 \newcommand*{\bidi@thebibliography@font@hook}{}
23461 \def\list#1#2{%
23462   \ifnum \@listdepth >5\relax
23463     \@toodeep
23464   \else
23465     \global\advance\@listdepth\@ne
23466   \fi
23467   \rightmargin\z@
23468   \listparindent\z@
23469   \itemindent\z@
23470   \csname @list\romannumeral\the\@listdepth\endcsname
23471   \def\@itemlabel{#1}%
23472   \let\makelabel\@mklab
23473   \@nmbrlistfalse
23474   #2\relax
23475   \@trivlist
23476   \parskip\parsep
23477   \parindent\listparindent
23478   \advance\linewidth -\rightmargin
23479   \advance\linewidth -\leftmargin
23480   \if@bidi@list@minipage@parbox
23481     \if@RTL
23482       \advance\@totalleftmargin \leftmargin
23483     \else
23484       \advance\@totalleftmargin \rightmargin
23485     \fi
23486   \else
23487     \if@hboxRconstruct
23488       \if@bidi@list@minipage@parbox@not@nob
23489         \if@RTL
23490           \advance\@totalleftmargin \rightmargin
23491         \else
23492           \advance\@totalleftmargin \leftmargin
23493         \fi
23494       \else
23495         \if@RTL
23496           \advance\@totalleftmargin \leftmargin
23497         \else
23498           \advance\@totalleftmargin \rightmargin
23499         \fi\fi
23500       \else
23501         \if@RTL
23502           \advance\@totalleftmargin \rightmargin
23503         \else
23504           \advance\@totalleftmargin \leftmargin
23505         \fi\fi\fi
23506       \parshape \@ne \@totalleftmargin \linewidth
23507       \ignorespaces}
23508 \long\def\@iiparbox#1#2[#3]#4#5{%
23509   \leavevmode
23510   \@pboxswfalse
23511   \if@hboxRconstruct
23512     \@bidi@list@minipage@parbox@not@nobtrue

```



```

23513 \fi
23514 \if@RTL
23515 \ifx#1t%
23516 \@bidi@list@minipage@parboxtrue
23517 \else
23518 \ifx#1b%
23519 \@bidi@list@minipage@parboxtrue
23520 \fi
23521 \fi
23522 \fi
23523 \setlength\@tempdima{#4}%
23524 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
23525 \ifx\relax#2\else
23526 \setlength\@tempdimb{#2}%
23527 \edef\@parboxto{to\the\@tempdimb}%
23528 \fi
23529 \if#1b\vbox
23530 \else\if #1t\vtop
23531 \else\ifmmode\vcenter
23532 \else\@pboxswtrue $\vcenter
23533 \fi\fi\fi
23534 \@parboxto{\let\hss\vss\let\unhbox\unvbox
23535 \csname bm@#3\endcsname}%
23536 \if@pboxsw \m@th$\fi
23537 \@end@tempboxa}
23538 \newenvironment{LTRitems}
23539 {\par\@RTLfalse\@RTLtabfalse\bidi@beamer@ragged
23540 \if@bidi@list@minipage@parbox
23541 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
23542 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
23543 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
23544 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
23545 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
23546 \ignorespaces}{\vskip\z@}
23547 \newenvironment{RTLitems}
23548 {\par\@RTLtrue\@RTLtabtrue\bidi@beamer@ragged
23549 \if@bidi@list@minipage@parbox
23550 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
23551 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
23552 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
23553 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
23554 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
23555 \ignorespaces}{\vskip\z@}
23556 \newenvironment{LTRbibitems}
23557 {\par\@RTLfalse\@RTLtabfalse\bidi@beamer@ragged
23558 \if@bidi@list@minipage@parbox
23559 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
23560 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
23561 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
23562 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
23563 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
23564 \ignorespaces}{\vskip\z@}
23565 \newenvironment{RTLbibitems}
23566 {\par\@RTLtrue\@RTLtabtrue\bidi@beamer@ragged

```



```

23567             \if@bidi@list@minipage@parbox
23568             \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
23569             \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
23570             \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
23571             \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
23572             \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
23573             \ignorespaces}{\vskip\z@}
23574 \def\raggedright{%
23575   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
23576   \leftskip\z@skip
23577   \parindent\z@\parfillskip\z@skip}
23578 \let\@bidi@orig@raggedleft\raggedleft
23579 \let\@bidi@orig@raggedright\raggedright
23580 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRco
23581 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRco
23582 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
23583 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
23584 \def\centerline#1{%
23585   \if@RTL\@@line{\hss\beginR#1\endR\hss}
23586   \else\@@line{\hss#1\hss}\fi}
23587 \def\leftline#1{%
23588   \if@RTL\@@line{\beginR#1\endR\hss}
23589   \else\@@line{#1\hss}\fi}
23590 \def\rightline#1{%
23591   \if@RTL\@@line{\hss\beginR#1\endR}
23592   \else\@@line{\hss#1}\fi}
23593 \let\@bidi@orig@leftline\leftline
23594 \let\@bidi@orig@rightline\rightline
23595 \def\leftline#1{\ifhmode\if@RTL\@bidi@orig@rightline{#1}\else\@bidi@orig@leftline{#1}\fi\else}
23596 \def\rightline#1{\ifhmode\if@RTL\@bidi@orig@leftline{#1}\else\@bidi@orig@rightline{#1}\fi\else}
23597 \def\bidirlap#1{\hb@xt@ \z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
23598 \def\bidillap#1{\hb@xt@ \z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
23599 \def\@hangfrom#1{\setbox\@tempboxa\hbox{\{#1\}}%
23600   \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
23601 \def\narrower{%
23602   \advance\if@RTL\rightskip\else\leftskip\fi\parindent
23603   \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
23604 \def\underline#1{%
23605   \relax
23606   \ifmmode\@@underline{#1}%
23607   \else
23608   \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
23609   \else
23610   $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
23611 \if@compatibility
23612   \let\underline=\underline
23613 \fi
23614 \def\@tabular{%
23615   \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
23616   $\let\@acol\@tabacol
23617   \let\@classz\@tabclassz
23618   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
23619 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
23620   \egroup $\if@RTLtab\endR\fi\egroup}

```



```

23621 \expandafter \let \csname endtabular*\endcsname = \endtabular
23622 \def \@array[#1]#2{%
23623   \if #1t\top \else \if#1b\vbox \else \vcenter \fi\fi
23624   \bgroup
23625   \setbox\@arstrutbox\hbox{%
23626     \vrule \@height\arraystretch\ht\strutbox
23627     \@depth\arraystretch \dp\strutbox
23628     \@width\z@}%
23629   \@mkpream{#2}%
23630   \edef \@preamble{%
23631     \ialign \noexpand\@halignto
23632       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
23633   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
23634   \let\tabularnewline\%
23635   \let\par\@empty
23636   \let\@sharp##%
23637   \set@typeset@protect
23638   \lineskip\z@skip\baselineskip\z@skip
23639   \ifhmode \@preamerr\z@ \@@par\fi
23640   \if RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
23641   \@preamble}
23642 \def \array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
23643 \let\@classiv\@arrayclassiv
23644 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
23645 \def \@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
23646   \ifnum \@lastchclass=3 5 \else
23647   \z@ \if #1c\@cnum \z@ \else
23648     \if \if RTLtab#1r\else#1l\fi\@cnum \@ne \else
23649     \if \if RTLtab#1l\else#1r\fi\@cnum \tw@ \else
23650     \@chclass \if #1|\@ne \else
23651     \if #1@\tw@ \else
23652     \if #1p3 \else \z@ \@preamerr 0\fi
23653   \fi \fi \fi \fi \fi \fi
23654 \fi}
23655 \def \bm@l{\if RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
23656 \def \bm@r{\if RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
23657 \def \bm@t{\unhbox\@tempboxa\hss}
23658 \def \bm@b{\hss\unhbox\@tempboxa}
23659 \def \@dottedtocline#1#2#3#4#5{%
23660   \ifnum #1>\c@tocdepth \else
23661     \vskip \z@ \@plus.2\p@
23662     {\if RTL\rightskip\else\leftskip\fi #2\relax \if RTL\leftskip\else\rightskip\fi \@tocma
23663     \parindent #2\relax\@afterindenttrue
23664     \interlinepenalty\@M
23665     \leavevmode
23666     \@tempdima #3\relax
23667     \advance\if RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if RTL\right
23668     {#4}\nobreak
23669     \leaders\hbox{$\m@th
23670       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
23671       mu$}\hfill
23672     \nobreak
23673     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
23674   \par}%

```



```

23675 \fi}
23676
23677 \newcount\ bidi@column@check@number
23678
23679 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
23680
23681 \def\ bidi@set@column@status#1#2{%
23682   \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
23683
23684 \if@twocolumn
23685 \newcommand\DetectColumn[3][1]{%
23686   \ifx\ bidi@firstcolumn@status\write\relax
23687     \PackageError{bidi}%
23688       {Option 'DetectColumn' not selected}%
23689       {\string\DetectColumn\space
23690        requires the use of the 'DetectColumn'
23691        option on the package}%
23692   \fi
23693   \global\advance\ bidi@column@check@number\@ne
23694   \edef\ bidi@column@type{\expandafter\ifx
23695     \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
23696     0\else
23697     \csname bidi@column-\the\ bidi@column@check@number\endcsname
23698     \fi}%
23699   \ifcase \ bidi@column@type\relax
23700     \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
23701   \or
23702     #2% % 1 First column
23703   \or
23704     #3% % 2 Second (Last column)
23705   \else
23706     \ERROR
23707   \fi
23708   \edef\next{\write\@auxout
23709     {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}}%
23710     {\ bidi@column@type}}}%
23711   \next
23712 }
23713
23714 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
23715   \ifnum #2=\ bidi@current@column@status\else
23716     \@tempwattrue
23717   \fi}%
23718 }
23719 \fi
23720
23721 \def\RTL@outputdblcol{%
23722   \if@firstcolumn
23723     \global\@firstcolumnfalse
23724     \global\setbox\@leftcolumn\copy\@outputbox
23725     \splitmaxdepth\maxdimen
23726     \vbadness\maxdimen
23727     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
23728     \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```



```

23729 \toks@\expandafter{\topmark}%
23730 \xdef\@firstcoltopmark{\the\toks@}%
23731 \toks@\expandafter{\splitfirstmark}%
23732 \xdef\@firstcolfirstmark{\the\toks@}%
23733 \ifx\@firstcolfirstmark\empty
23734 \global\let\@setmarks\relax
23735 \else
23736 \gdef\@setmarks{%
23737 \let\firstmark\@firstcolfirstmark
23738 \let\topmark\@firstcoltopmark}%
23739 \fi
23740 \else
23741 \global\@firstcolumntrue
23742 \setbox\@outputbox\vbox{%
23743 \hb@xt@\textwidth{%
23744 \hskip \columnwidth
23745 \hfil
23746 {\normalcolor\vrule \@width\columnseprule}%
23747 \hfil
23748 \hb@xt@\columnwidth{%
23749 \bidi@firstcolumn@status@write%
23750 \box\@leftcolumn \hss}%
23751 \hskip -\textwidth
23752 \hb@xt@\columnwidth{%
23753 \bidi@lastcolumn@status@write%
23754 \box\@outputbox \hss}%
23755 \hskip \columnsep
23756 \hskip \columnwidth }}%
23757 \@combinedblfloats
23758 \@setmarks
23759 \@outputpage
23760 \begingroup
23761 \@dblfloatplacement
23762 \@startdblcolumn
23763 \@whilesw@if@fcolmade \fi{\@outputpage
23764 \@startdblcolumn}%
23765 \endgroup
23766 \fi}%
23767
23768 \def\LTR@outputdblcol{%
23769 \if@firstcolumn
23770 \global\@firstcolumnfalse
23771 \global\setbox\@leftcolumn\copy\@outputbox
23772 \splitmaxdepth\maxdimen
23773 \vbadness\maxdimen
23774 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
23775 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
23776 \toks@\expandafter{\topmark}%
23777 \xdef\@firstcoltopmark{\the\toks@}%
23778 \toks@\expandafter{\splitfirstmark}%
23779 \xdef\@firstcolfirstmark{\the\toks@}%
23780 \ifx\@firstcolfirstmark\empty
23781 \global\let\@setmarks\relax
23782 \else

```



```

23783     \gdef\@setmarks{%
23784         \let\firstmark\@firstcolfirstmark
23785         \let\topmark\@firstcoltopmark}%
23786     \fi
23787 \else
23788     \global\@firstcolumntrue
23789     \setbox\@outputbox\vbox{%
23790         \hb@xt@\textwidth{%
23791             \hb@xt@\columnwidth{%
23792                 \bidi@firstcolumn@status@write%
23793                 \box\@leftcolumn \hss}%
23794             \hfil
23795             {\normalcolor\vrule \@width\columnseprule}%
23796             \hfil
23797             \hb@xt@\columnwidth{%
23798                 \bidi@lastcolumn@status@write%
23799                 \box\@outputbox \hss}}}%
23800 \@combinedblfloats
23801     \@setmarks
23802     \@outputpage
23803     \begingroup
23804         \@dblfloatplacement
23805         \@startdblcolumn
23806         \@whiles\if@fcolmade \fi{\@outputpage
23807             \@startdblcolumn}%
23808     \endgroup
23809 \fi}%
23810
23811
23812 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
23813 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
23814 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
23815
23816 \bidi@patchcmd\@makecol{%
23817     \ifvoid\footins
23818         \setbox\@outputbox \box\@cclv
23819     \else
23820         \setbox\@outputbox \vbox {%
23821             \boxmaxdepth \@maxdepth
23822             \unvbox \@cclv
23823             \vskip \skip\footins
23824             \color@begingroup
23825                 \normalcolor
23826                 \footnoterule
23827             \unvbox \footins
23828             \color@endgroup
23829         }%
23830     \fi
23831 }{%
23832     \ifvoid\footins
23833         \ifvoid\@bidi@copyins@
23834             \setbox\@outputbox \box\@cclv
23835         \else
23836             \setbox\@outputbox \vbox {%

```



```

23837         \boxmaxdepth \@maxdepth
23838         \unvbox \@cclv
23839         \vskip \skip\@bidi@copyins@
23840         \color@begingroup
23841         \normalcolor
23842         \unvbox \@bidi@copyins@
23843         \color@endgroup
23844     }%
23845     \fi
23846     \else
23847         \setbox\@outputbox \vbox {%
23848             \boxmaxdepth \@maxdepth
23849             \unvbox \@cclv
23850             \vskip \skip\footins
23851             \color@begingroup
23852             \normalcolor
23853             \footnoterule
23854             \unvbox \footins
23855             \color@endgroup
23856             \ifvoid\@bidi@copyins@
23857             \else
23858                 \vskip \skip\@bidi@copyins@
23859                 \color@begingroup
23860                 \normalcolor
23861                 \unvbox \@bidi@copyins@
23862                 \color@endgroup
23863             \fi
23864         }%
23865     \fi
23866 }{}{}
23867
23868 \def\LTRmarginpar{%
23869     \ifhmode
23870         \bsphack
23871         \@floatpenalty -\@Mii
23872     \else
23873         \@floatpenalty-\@Miii
23874     \fi
23875     \ifinner
23876         \@parmoderr
23877         \@floatpenalty\z@
23878     \else
23879         \@next\@currbox\@freelist{}{}%
23880         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
23881         {\@floatpenalty\z@
23882         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
23883     \fi
23884     \ifnextchar [\@LTRxmpar\@LTRympar}
23885 \long\def\@LTRxmpar[#1]#2{%
23886     \LTRsavemarbox\@marbox{#1}%
23887     \LTRsavemarbox\@currbox{#2}%
23888     \@xympar}
23889 \long\def\@LTRympar#1{%
23890     \LTRsavemarbox\@marbox{#1}%

```




```

23891 \global\setbox\@currbox\copy\@marbox
23892 \xympar}
23893 \long\def \@LTRsavemarbox #1#2{%
23894 \global\setbox #1%
23895 \color@vbox
23896 \vtop{%
23897 \hsize\marginparwidth
23898 \@parboxrestore
23899 \@LTRmarginparreset
23900 #2%
23901 \@minipagefalse
23902 \outer@nobreak
23903 }%
23904 \color@endbox
23905 }
23906 \def \@LTRmarginparreset {%
23907 \reset@font
23908 \normalsize
23909 \@minipagetrue
23910 \everypar{\@minipagefalse\everypar{}\beginL}%
23911 }
23912 \def \RTLmarginpar{%
23913 \ifhmode
23914 \bsphack
23915 \@floatpenalty -\@Mii
23916 \else
23917 \@floatpenalty-\@Miii
23918 \fi
23919 \ifinner
23920 \@parmoderr
23921 \@floatpenalty\z@
23922 \else
23923 \@next\@currbox\@freelist{}\}%
23924 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
23925 {\@floatpenalty\z@
23926 \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
23927 \fi
23928 \@ifnextchar [\@RTLxmpar\@RTLympar}
23929 \long\def \@RTLxmpar[#1]#2{%
23930 \@RTLSavemarbox\@marbox{#1}%
23931 \@RTLSavemarbox\@currbox{#2}%
23932 \xympar}
23933 \long\def \@RTLympar#1{%
23934 \@RTLSavemarbox\@marbox{#1}%
23935 \global\setbox\@currbox\copy\@marbox
23936 \xympar}
23937 \long\def \@RTLSavemarbox #1#2{%
23938 \global\setbox #1%
23939 \color@vbox
23940 \vtop{%
23941 \hsize\marginparwidth
23942 \@parboxrestore
23943 \@RTLmarginparreset
23944 #2%

```



```

23945      \@minipagefalse
23946      \outer@nobreak
23947      }%
23948      \color@endbox
23949  }
23950  \def \@RTLmarginparreset {%
23951      \reset@font
23952      \normalsize
23953      \@minipagetrue
23954      \everypar{\@minipagefalse\everypar{}\beginR}%
23955  }
23956  \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
23957      \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
23958      \if@twocolumn
23959          \if@firstcolumn \@tempcnta\m@ne \fi
23960      \else
23961          \if@mparswitch
23962              \ifodd\c@page \else\@tempcnta\m@ne \fi
23963          \fi
23964          \if@reversemargin \@tempcnta -\@tempcnta \fi
23965      \fi
23966      \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
23967      \@tempdima\@mparbottom
23968      \advance\@tempdima -\@pageht
23969      \advance\@tempdima\ht\@marbox
23970      \ifdim\@tempdima >\z@
23971          \latex@warning@no@line {Marginpar on page \thepage\space moved}%
23972      \else
23973          \@tempdima\z@
23974      \fi
23975      \global\@mparbottom\@pageht
23976      \global\advance\@mparbottom\@tempdima
23977      \global\advance\@mparbottom\dp\@marbox
23978      \global\advance\@mparbottom\marginparpush
23979      \advance\@tempdima -\ht\@marbox
23980      \global\setbox \@marbox
23981          \vbox {\vskip \@tempdima
23982              \box \@marbox}%
23983      \global \ht\@marbox \z@
23984      \global \dp\@marbox \z@
23985      \kern -\@pagedp
23986      \nointerlineskip
23987      \hb@xt@\columnwidth
23988          {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
23989              \hskip\columnwidth \hskip\marginparsep
23990          \else
23991              \hskip -\marginparsep \hskip -\marginparwidth
23992          \fi
23993              \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
23994          \nointerlineskip
23995          \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
23996  \long\def \@ympar#1{%
23997      \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
23998      \global\setbox\@currbox\copy\@marbox

```



```

23999 \xympar}
24000 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
24001 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
24002 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
24003 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
24004 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
24005 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
24006 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
24007 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
24008 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
24009 \fi}
24010
24011 \newcommand*{\bidi@font@@outputpage}{}
24012
24013 \def\@outputpage{%
24014 \begingroup % the \endgroup is put in by \aftergroup
24015 \let \protect \noexpand
24016 \@resetactivechars
24017 \global\let\@if@newlist\if@newlist
24018 \global\@newlistfalse
24019 \@parboxrestore
24020 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
24021 \bidi@beforeoutputpageshipouthook
24022 \shipout \vbox{%
24023 \set@typeset@protect
24024 \aftergroup \endgroup
24025 \aftergroup \set@typeset@protect
24026 % correct? or just restore by ending
24027 % the group?
24028 \if@specialpage
24029 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
24030 \fi
24031 \if@twoside
24032 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
24033 \if@RTLmain
24034 \let\@themargin\evensidemargin
24035 \else
24036 \let\@themargin\oddsidemargin
24037 \fi
24038 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
24039 \if@RTLmain
24040 \let\@themargin\oddsidemargin
24041 \else
24042 \let\@themargin\evensidemargin
24043 \fi
24044 \fi
24045 \ifx\@thehead\@empty \let\@thehead\hfil \fi
24046 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
24047 \else %% not @twoside
24048 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
24049 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
24050 \fi
24051 \reset@font
24052 \normalsize

```



```

24053 \bidi@font@@outputpage
24054 \normalsfcodes
24055 \let\label\@gobble
24056 \let\index\@gobble
24057 \let\glossary\@gobble
24058 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
24059 \@begindvi
24060 \vskip \topmargin
24061 \moveright\@themargin \vbox {%
24062 \global\let\bidi@BeforeHeader\@firstofone
24063 \bidi@beforeheaderhook
24064 \setbox\@tempboxa \vbox to\headheight{%
24065 \vfil
24066 \color@hbox
24067 \normalcolor
24068 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
24069 \color@endbox
24070 }% %% 22 Feb 87
24071 \dp\@tempboxa \z@
24072 \box\@tempboxa
24073 \vskip \headsep
24074 \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
24075 \bidi@beforeoutputboxoutputpagehook
24076 \box\@outputbox
24077 \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
24078 \bidi@afteroutputboxoutputpagehook
24079 \global\let\bidi@BeforeFooter\@firstofone
24080 \bidi@beforefooterhook
24081 \baselineskip \footskip
24082 \color@hbox
24083 \normalcolor
24084 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@
24085 \color@endbox
24086 \global\let\bidi@AfterFooter\@firstofone
24087 \bidi@afterfooterhook
24088 }%
24089 }%
24090 \global\let\bidi@AfterOutputPageShipOut\@firstofone
24091 \bidi@afteroutputpageshipouthook
24092 \global\let\if@newlist\@if@newlist
24093 \global \colht \textheight
24094 \stepcounter{page}%
24095 \let\firstmark\botmark
24096 \global\let\bidi@AtEndOutputPage\@firstofone
24097 \bidi@atendoutputpagehook
24098 }
24099 \long\def\@makecaption#1#2{%
24100 \vskip\abovcaptionskip
24101 \sbox\@tempboxa{#1: #2}%
24102 \ifdim \wd\@tempboxa >\hsize
24103 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
24104 \else
24105 \global \@minipagefalse
24106 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%

```



```

24107 \fi
24108 \vskip\belowcaptionskip}
24109 \let\bidisaved@eqno=\eqno
24110 \let\bidisaved@leqno=\leqno
24111 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
24112 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
24113 \@ifpackageloaded{amsmath}{%{
24114 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
24115 }
24116 \input{footnote-xetex-bidi.def}
24117 \if@twocolumn
24118 \let\autofooterule\relax
24119 \let\leftfootnoterule\relax
24120 \let\rightfootnoterule\relax
24121 \textwidthfootnoterule
24122 \fi
24123 \if@bidi@csundef{@idxitem}{%{
24124 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
24125 }
24126 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
24127 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
24128 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
24129 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
24130 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
24131 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
24132 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
24133 \@ifclassloaded{beamer}{\input{beamer-xetex-bidi.def}}{}
24134 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
24135 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
24136 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
24137 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
24138 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
24139 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
24140 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
24141 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
24142 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
24143 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
24144 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
24145 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
24146 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
24147 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
24148 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
24149 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
24150 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
24151 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
24152 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
24153 \@ifpackageloaded{amsmath}{%{
24154 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
24155 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
24156 }
24157 \@ifpackageloaded{mathtools}{%
24158 \RequirePackage{graphicx}%
24159 \input{mathtools-xetex-bidi.def}%
24160 }{}

```



```

24161 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
24162 \@ifpackageloaded{lscape}{\RequirePackage{graphicx}}{}
24163 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
24164 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
24165 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
24166 \@ifpackagewith{algorithm2e}{algonl}{\%
24167 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{A
24168 }{}
24169 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
24170 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
24171 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
24172 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
24173 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
24174 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
24175 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
24176 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
24177 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
24178 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
24179 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
24180 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}}{\input{crop-xetex-bidi.def}}{}
24181 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
24182 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
24183 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
24184 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
24185 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
24186 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}}{\input{float-xetex-bidi.def}}{}
24187 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
24188 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
24189 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
24190 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
24191 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
24192 \@ifpackageloaded{hvfloa}{\input{hvfloa-xetex-bidi.def}}{}
24193 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
24194 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
24195 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
24196 \@ifpackageloaded{lscape}{\input{lscape-xetex-bidi.def}}{}
24197 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
24198 \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
24199 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
24200 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
24201 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
24202 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
24203 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
24204 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
24205 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
24206 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
24207 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
24208 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
24209 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
24210 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
24211 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
24212 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
24213 \@ifpackageloaded{pdfscape}{\input{pdfscape-xetex-bidi.def}}{}
24214 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}

```



```

24215 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
24216 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
24217 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
24218 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
24219 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
24220 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
24221 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
24222 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
24223 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
24224 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
24225 \@ifpackagewith{sidecap}{innercaption}{%
24226 \ifRTL \renewcommand*{\SC@FLOAT}[2]{%
24227 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {{#1}\hspace{\sidecaptionsep}{#2}}
24228 \renewcommand*{\SC@justify@caption{%
24229 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
24230 \renewcommand*{\SC@FLOAT}[2]{%
24231 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {{#2}\hspace{\sidecaptionsep}{#1}}
24232 \renewcommand*{\SC@justify@caption{%
24233 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
24234 }{}
24235 \@ifpackagewith{sidecap}{rightcaption}{%
24236 \ifRTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
24237 \def\SC@justify@caption{\RaggedLeft}\else%
24238 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
24239 \def\SC@justify@caption{\RaggedRight}\fi%
24240 }{}
24241 \@ifpackagewith{sidecap}{leftcaption}{%
24242 \ifRTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
24243 \def\SC@justify@caption{\RaggedRight}\else%
24244 \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
24245 \def\SC@justify@caption{\RaggedLeft}\fi%
24246 }{}
24247 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
24248 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
24249 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
24250 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
24251 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
24252 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
24253 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
24254 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
24255 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
24256 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
24257 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
24258 \@ifpackageloaded{pgfsys}{\input{pgfsys.code-xetex-bidi.def}}{}
24259 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
24260 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
24261 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
24262 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
24263 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
24264 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
24265 \@ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
24266 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
24267 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
24268 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}

```




```

24269 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
24270 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}
24271 \@ifpackageloaded{beamerbaseauxtemplates}{\input{beamerbaseauxtemplates-xetex-bidi.def}}{}
24272 \@ifpackageloaded{beamerbaseboxes}{\input{beamerbaseboxes-xetex-bidi.def}}{}
24273 \@ifpackageloaded{beamerbasecolor}{\input{beamerbasecolor-xetex-bidi.def}}{}
24274 \@ifpackageloaded{beamerbaseframecomponents}{\input{beamerbaseframecomponents-xetex-bidi.def}}{}
24275 \@ifpackageloaded{beamerbaselocalstructure}{\input{beamerbaselocalstructure-xetex-bidi.def}}{}
24276 \@ifpackageloaded{beamerbasenavigation}{\input{beamerbasenavigation-xetex-bidi.def}}{}
24277 \@ifpackageloaded{beamerbaseoverlay}{\input{beamerbaseoverlay-xetex-bidi.def}}{}
24278 \@ifpackageloaded{beamerinnerthemedefault}{\input{beamerinnerthemedefault-xetex-bidi.def}}{}
24279 \@ifpackageloaded{beamerinnerthemecircles}{\input{beamerinnerthemecircles-xetex-bidi.def}}{}
24280 \@ifpackageloaded{beamerinnerthemeinmargin}{\input{beamerinnerthemeinmargin-xetex-bidi.def}}{}
24281 \@ifpackageloaded{beamerinnerthemerectangles}{\input{beamerinnerthemerectangles-xetex-bidi.def}}{}
24282 \@ifpackageloaded{beamerinnerthememrounded}{\input{beamerinnerthememrounded-xetex-bidi.def}}{}
24283 \@ifpackageloaded{beamerouterthemedefault}{\input{beamerouterthemedefault-xetex-bidi.def}}{}
24284 \@ifpackageloaded{beamerouterthemeinfines}{\input{beamerouterthemeinfines-xetex-bidi.def}}{}
24285 \@ifpackageloaded{beamerouterthememiniframes}{\input{beamerouterthememiniframes-xetex-bidi.def}}{}
24286 \@ifpackageloaded{beamerouterthemesidebar}{\input{beamerouterthemesidebar-xetex-bidi.def}}{}
24287 \@ifpackageloaded{beamerouterthemesplit}{\input{beamerouterthemesplit-xetex-bidi.def}}{}
24288 \@ifpackageloaded{beamerouterthemeshadow}{\input{beamerouterthemeshadow-xetex-bidi.def}}{}
24289 \@ifpackageloaded{beamerouterthesesmoothbars}{\input{beamerouterthesesmoothbars-xetex-bidi.def}}{}
24290 \@ifpackageloaded{beamerouterthesesmoothtree}{\input{beamerouterthesesmoothtree-xetex-bidi.def}}{}
24291 \@ifpackageloaded{beamerouterthemetree}{\input{beamerouterthemetree-xetex-bidi.def}}{}
24292 \@ifpackageloaded{beamerthemeHannover}{\input{beamerthemeHannover-xetex-bidi.def}}{}
24293 \@ifpackageloaded{beamerthemeSingapore}{\input{beamerthemeSingapore-xetex-bidi.def}}{}

```

155 File xltextra-xetex-bidi.def

```

24294 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package]
24295 \let\@XeTeX\XeTeX
24296 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
24297 \let\@XeLaTeX\XeLaTeX
24298 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

156 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

Symbols			
\# .. 5050, 5096, 5208, 5216	10548,	10822,	\@@@bidi@AfterClass
\% 13514	12656,	15027,	..... 5988, 5993
\' ... 13634, 15878, 17884	17267,	18046,	\@@@bidi@AfterPackage
\(..... 15979	18440,	18637,	..... 6033, 6037
\) 15980	18840,	19378,	\@@H@@footnotetext
\, 7302, 13897,	20139, 20904, 21626		..... 10866, 10881
18478, 18521,	\ / 3815	\@@H@@mpfootnotetext	..... 10869, 10887
23036, 23047, 23443	\: 16021, 16080	\@@HLTR@@LTRfootnotetext	..... 10867, 10883
\- 3545, 13633, 15877, 17883	\< 21260	\@@HLTR@@mpLTRfootnotetext	..... 10870, 10889
\. 93, 296, 586, 718, 981,	\= ... 13634, 15878, 17884	\@ 10870, 10889	\@HRTL@@RTLfootnotetext
1231, 2385, 3544,	\> 21261		
8489, 8677, 8989,	\@ 5120		
	\@@ 21439, 21441		



10515,	10528,	..... 7082,7083	23539, 23557,
10785,	10794,	\@RTLbidityftesidenoteympar	23997, 24068, 24084
11190,	11194,	..... 7082,7087	\@RTLfootnotetext 48,
12622,	12630,	\@RTLcolumnfootnotesfalse	80, 159, 160,
12951,	15026,	..... 11019	161, 251, 283,
15040,	15064,	\@RTLcolumnfootnotesttrue	2219, 2223, 2253,
16920,	16932,	..... 11018	3952, 4074, 7365,
16944,	17822,	\@RTLfalse	7459, 7466, 8154,
17944,	17945,	36,	8165, 8371, 8385,
17969,	18079,	66, 87, 239, 268,	10019, 10020,
18218,	18341,	290, 572, 707, 970,	10868, 10884,
18394,	18395,	1220, 1840, 2121,	10885, 10939,
18456,	18457,	2155, 2173, 2205,	11002, 11010,
18811,	18819,	2368, 3429, 3435,	11207, 11316,
21430,	21537,	3453, 4321, 8478,	11419, 11528,
21578,	21712,	8666, 8975, 8994,	11637, 11746,
21743,	21766,	9006, 9019, 10537,	11855, 11964,
21783,	21800,	10808, 10927,	12073, 12232,
21817,	21834,	10955, 10968,	12290, 13224,
21851,	21869,	10979, 11220,	13230, 13267,
21888,	21908,	11230, 11265,	13308, 13368,
21943,	22326,	11277, 11329,	13407, 13413,
22852, 22966, 23664		11338, 11371,	14399, 14417,
\@MM . . . 41, 55, 71, 244,		11382, 11432,	14492, 14527,
258, 273, 9996,		11442, 11477,	14719, 14723,
10017, 10064,		11489, 11541,	14741, 14742,
10071, 10116,		11551, 11586,	15788, 15935,
10123, 11117,		11598, 11650,	17064, 17066,
13256, 13273, 13289		11660, 11694,	17067, 18978,
\@Mi 9024, 15801		11706, 11759,	18987, 19419,
\@Mii . 4026, 6981, 7025,		11769, 11803,	19717, 19726,
7069, 9686, 9698,		11815, 11868,	20180, 20490,
9711, 23871, 23915		11878, 11913,	20499, 20945,
\@Miii 4028, 6983, 7027,		11925, 11977,	21406, 21423, 21515
7071, 23873, 23917		11987, 12022,	\@RTLmainfalse . 3354,
\@RTL@footnotefalse		12034, 12086,	3358, 3639, 3643
. . . 3471, 13076,		12096, 12131,	\@RTLmaintrue . 3357, 3642
13243, 17717,		12143, 12465,	\@RTLmarginparfalse
17722, 23370, 23391		12484, 12645,	..... 24001, 24002
\@RTL@footnotetrue		13251, 13284,	\@RTLmarginparreset
. . . 3469, 13076,		13327, 13341,	..... 23943, 23950
13242, 17719,		15021, 15344,	\@RTLmarginpartrue 24000
17721, 23380, 23390		15367, 15371,	\@RTLsavemarbox 23930,
\@RTLbibitemfalse		15378, 15387,	23931, 23934, 23937
..... 23458, 23459		15867, 16673,	\@RTLtabfalse . . 409,
\@RTLbibitemstrue 23457		17258, 17427,	3332, 3441, 23364,
\@RTLbidityftesidenote@sidenote		17475, 17679,	23370, 23391,
. . . 7447, 7478, 7482		17713, 17717,	23539, 23557, 23644
\@RTLbidityftesidenotemarginparreset,		17722, 17771,	\@RTLtabtrue
..... 7097, 7104		18429, 18429,	. . . . 3331, 3439,
\@RTLbidityftesidenotesavemarbox		18623, 18826,	23355, 23380,
..... 7084,		19356, 20117,	23390, 23427,
7085, 7088, 7091		20882, 21612,	23434, 23548, 23566
\@RTLbidityftesidenotexmpar		23328, 23363,	\@RTLtrue . 36, 50, 87,
		23370, 23391,	



239, 253, 290, 572,
 707, 970, 1220,
 2121, 2138, 2173,
 2189, 2368, 3427,
 3433, 3451, 4321,
 8478, 8666, 8975,
 9033, 9035, 10537,
 10808, 10927,
 10941, 10968,
 10990, 11220,
 11240, 11265,
 11290, 11329,
 11347, 11371,
 11394, 11432,
 11452, 11477,
 11502, 11541,
 11561, 11586,
 11611, 11650,
 11670, 11694,
 11719, 11759,
 11779, 11803,
 11828, 11868,
 11888, 11913,
 11938, 11977,
 11997, 12022,
 12047, 12086,
 12106, 12131,
 12156, 12455,
 12475, 12645,
 13251, 13268,
 13313, 13341,
 15021, 15344,
 15367, 15378,
 15387, 15870,
 16673, 17258,
 17680, 17705,
 17719, 17721,
 18035, 18429,
 18623, 18826,
 19356, 20117,
 20882, 21612,
 23329, 23354,
 23380, 23390,
 23548, 23566,
 23997, 24068, 24084
 \@RTLxmpar . 23928, 23929
 \@RTLympar . 23928, 23933
 \@Reset 14999, 15008
 \@SepMark 19,
 20, 21, 22, 168,
 214, 215, 216, 217,
 334, 350, 546, 547,
 548, 549, 700, 701,
 702, 703, 954, 955,

956, 957, 1213,
 1214, 1215, 1216,
 8504, 8505, 8506,
 8507, 8508, 8510,
 8512, 8514, 8681,
 8682, 8683, 8684,
 8685, 8687, 8689,
 8691, 8932, 8934,
 8936, 8938, 8939,
 8940, 8941, 8942,
 10648, 10649,
 10650, 10651,
 10764, 10766,
 10768, 10770,
 10771, 10772,
 10773, 10774,
 12748, 12749,
 12750, 12751,
 12752, 12754,
 12756, 12758,
 12918, 12924,
 13046, 13048,
 13050, 13052,
 13053, 13054,
 13055, 13056,
 13059, 13061,
 13063, 13065,
 13066, 13067,
 13068, 13069,
 15077, 15078,
 15079, 15080,
 15404, 16560,
 16562, 16564,
 16566, 16568,
 16569, 16571,
 16572, 16573,
 17301, 17309,
 17311, 18050,
 18051, 18052,
 18053, 18054,
 18056, 18058,
 18060, 18415,
 18416, 18417,
 18418, 18419,
 18421, 18423,
 18425, 18610,
 18612, 18614,
 18615, 18616,
 18617, 18618,
 18619, 18792,
 18794, 18796,
 18798, 18799,
 18800, 18801,
 18802, 19330,

19331, 19333,
 19335, 19337,
 20069, 20072,
 20074, 20078,
 20080, 20082,
 20084, 20087,
 20090, 20094,
 20096, 20842,
 20844, 20847,
 20849, 20851,
 20853, 20856,
 20859, 20862,
 21686, 21930,
 23454, 23456, 24167
 \@Submit . . . 14982, 14991
 \@TextField . 14950, 14958
 \@True . . . 9007, 9013, 9045
 \@Undottedtocline 16927
 \@Undottedtoclinep 16939
 \@acci 13634, 15878, 17884
 \@accii 13634, 15878, 17884
 \@acciii
 . 13634, 15878, 17884
 \@acol 1437, 1445, 3960,
 15726, 21320,
 23436, 23616, 23642
 \@acolampacol . . 1435,
 1437, 1443, 1445
 \@addamp 1436, 1444
 \@addfield 24006
 \@addmarginpar . . . 23956
 \@address 4213,
 9853, 9854, 9951, 9953
 \@addresscolour 4182,
 4199, 9852, 9950
 \@addtofilelist . . . 5902
 \@addtopreamble . . .
 . . . 1408, 1471, 9106
 \@addtoreset
 332, 12921,
 17299, 17305, 17307
 \@addviper 9449
 \@afterheading
 . 568, 3861, 3871,
 10525, 10533, 15890
 \@afterindentfalse
 . . 3861, 3871, 15889
 \@afterindenttrue .
 . . 647, 874, 1130,
 7648, 8417, 8594,
 16919, 16931,
 16943, 17969,
 18341, 21711,
 21742, 21765,



21782, 21799,	16572, 16573,	\@arstrutbox ... 387,
21816, 21833,	18037, 18044,	15737, 15791,
21850, 21868,	18050, 18051,	21328, 21369,
21887, 21907,	18052, 18053,	21373, 21377, 23625
21942, 22325,	18054, 18056,	\@author 428,
22845, 22965, 23663	18058, 18060,	442, 478, 499, 762,
\@algocf@finish ... 179	18415, 18416,	764, 782, 827,
\@algocf@start 171	18417, 18418,	846, 1014, 1016,
\@ampacol 1435, 1443	18419, 18421,	1034, 1079, 1098,
\@arabic ... 168, 546,	18423, 18425,	1264, 1266, 1284,
547, 548, 549, 574,	18431, 18438,	1329, 1349, 1360,
581, 700, 701, 702,	18610, 18612,	3760, 7850, 7852,
703, 709, 716, 954,	18614, 18615,	7921, 8542, 8544,
955, 956, 957, 972,	18616, 18617,	8562, 8719, 8721,
979, 1213, 1214,	18618, 18619,	8739, 8814, 8828,
1215, 1216, 1222,	18625, 18632,	8864, 8885, 10575,
1229, 2370, 2379,	18792, 18794,	10587, 10621,
4333, 8480, 8487,	18796, 18797,	10640, 10670,
8504, 8505, 8506,	18798, 18799,	10684, 10720,
8507, 8508, 8510,	18800, 18801,	10741, 12675,
8512, 8514, 8668,	18802, 18828,	12687, 12721,
8675, 8681, 8682,	18835, 19331,	12740, 16529,
8683, 8684, 8685,	19333, 19335,	18090, 18092,
8687, 8689, 8691,	19337, 19359,	18110, 18155,
8932, 8934, 8936,	19375, 20076,	18174, 18229,
8937, 8938, 8939,	20078, 20080,	18231, 18251,
8940, 8941, 8942,	20082, 20084,	18298, 18320,
8977, 8984, 10539,	20087, 20090,	18331, 18487,
10546, 10648,	20098, 20120,	18501, 18542,
10649, 10650,	20136, 20845,	18563, 18674,
10651, 10764,	20847, 20849,	18688, 18724,
10766, 10768,	20851, 20853,	18745, 19159,
10769, 10770,	20856, 20859,	19303, 19899,
10771, 10772,	20863, 20885,	20043, 20672, 20816
10773, 10774,	20901, 21614, 21621	\@auxout 3489,
10810, 10817,	\@argdef 4941	3493, 4376, 4717,
12647, 12654,	\@array 384, 405, 1370,	4745, 4771, 4799,
12748, 12749,	1371, 21357, 23622	4825, 4828, 4862,
12750, 12751,	\@arrayacol 23642	4865, 8317, 23708
12752, 12754,	\@arrayclassiv ... 23643	\@badmath .. 12883, 12897
12756, 12758,	\@arrayclassz	\@begin@tempboxa ..
13046, 13048,	. 1435, 21361, 23642	..... 13910,
13050, 13051,	\@arraycr 404, 15735, 23644	14006, 14013, 23524
13052, 13053,	\@arrayleft 397	\@begin@dv . 12949, 24059
13054, 13055,	\@arrayparboxrestore	\@begin@parpenalty .
13056, 13059,	. 1871, 15790, 17879	..... 3874,
13061, 13063,	\@arrayright 406	3883, 12886, 12900
13064, 13065,	\@arrayrule 1390, 1391,	\@bib@break
13066, 13067,	1392, 1428, 1429, 1430	. 19351, 20112, 20877
13068, 13069,	\@arstdepth	\@biblabel 89, 292, 574,
15404, 15406,	. 21354, 21359, 21377	575, 709, 710, 972,
16560, 16562,	\@arstheight 21359, 21377	973, 1222, 1223,
16564, 16566,	\@arstrut 394,	2370, 2371, 8480,
16568, 16571,	15749, 21335, 23632	8481, 8668, 8669,



8977, 8978, 10539, 10540, 10810, 10811, 12647, 12648, 15023, 17260, 18037, 18038, 18431, 18432, 18625, 18626, 18828, 18829, 19359, 19361, 20120, 20122, 20885, 20887, 21614, 21615 \@bibsetup 17260 \@bibtitlestyle 84, 287, 15018 \@bidi@stpelt 5422, 5428, 5432 \@bidi@AfterClass 5988, 6009, 6014, 6021 \@bidi@AfterPackage 6033, 6052, 6056, 6063 \@bidi@EqualStringX ... 5487, 5488, 5489 \@bidi@PreventPackageFromLoading ... 6073, 6074, 6076 \@bidi@UnPreventPackageFromLoading ... 6165, 6166, 6169 \@bidi@after@Hy@hyperfootnotes .. 10876, 11014, 11215, 11324, 11427, 11536, 11645, 11754, 11863, 11972, 12081, 12250, 12312 \@bidi@append@to@cslist ... 5634, 5638, 5648 \@bidi@append@to@list 5638, 5641, 5644, 5651, 5659 \@bidi@before@Hy@hyperfootnotes .. 10862, 11007, 11204, 11313, 11416, 11525, 11634, 11743, 11852, 11961, 12070, 12229, 12283 \@bidi@copy@stacktop 5706, 5709 \@bidi@copyins@ 3369, 3370, 3371, 3372, 3373, 3654, 3655, 3656,	3657, 3658, 11100, 11102, 11105, 13662, 13663, 13664, 13665, 13675, 13676, 13724, 13725, 13781, 13782, 13783, 13784, 13801, 13802, 13820, 13829, 13841, 13847, 13851, 13863, 13865, 13868, 13899, 17089, 17090, 17179, 17746, 17748, 17749, 23833, 23839, 23842, 23856, 23858, 23861 \@bidi@emptytoks 4425, 4430, 4454 \@bidi@envbody 4424, 4426, 4428, 4429, 4430, 4450, 4452, 4453, 4454 \@bidi@ofi 5568, 5569, 5570, 5571, 5575, 5576, 5580, 5581, 5585, 5586, 5591, 5592, 5596, 5597 \@bidi@ifnxtc 5535, 5538, 5539 \@bidi@info 3266, 3293, 3295, 3593, 3620, 3622 \@bidi@inslogo@ 3373, 3502, 3504, 3658, 3683, 3708 \@bidi@list@minipage@parbox@not@nobtrue 13356, 23512 \@bidi@list@minipage@parboxfalse 1835, 21524 \@bidi@list@minipage@parboxtrue .. 13357, 23516, 23519 \@bidi@logo 3389, 3408, 3666, 3682 \@bidi@logo@ 3373, 3405, 3504, 3658, 3682, 3683 \@bidi@logo@hb@ext@ 3659, 3682 \@bidi@logo@hb@ext@columnwidth@ 3374, 3406 \@bidi@lst@makecaption 15341,	15357, 15358, 15389, 15390, 15391, 15395, 15397 \@bidi@mdf@RTLtrue 15866 \@bidi@patch@AfterPackage 6358, 6361 \@bidi@pdfcreator 3343, 3578, 3684, 3698 \@bidi@pdfcustomproperties 3349, 3581, 3690, 3701 \@bidi@pdfencryptfalse 3558 \@bidi@pdfencrypttrue 3560, 3563 \@bidi@pdfm@markfalse 3511, 3706 \@bidi@pdfm@marktrue 3509, 3705 \@bidi@pdfproducer 3346, 3579, 3687, 3699 \@bidi@perpage@footnotefalse 3521 \@bidi@perpage@footnotetrue 3519 \@bidi@prepend@to@cslist 5636, 5639, 5650, 5692, 5694 \@bidi@prepend@to@list 5639, 5642, 5646, 5652, 5660 \@bidi@removefromreset ... 4551, 4552, 4554 \@bidi@replacefilewithext ... 5950, 5954, 5957 \@bidi@saveprimitive 4412 \@bidi@stepcounter 5421, 5427 \@bidi@tabular@RTLcases .. 23425, 23427, 23434 \@bidi@todonotes@align 23012, 23013, 23045, 23086, 23089, 23092, 23095, 23120, 23125, 23126 \@bidi@todonotes@figposition@rightfalse 23027 \@bidi@todonotes@figposition@righttrue 23025
--	--	--



\@bidityftesidenote@margin@font	.....	21854, 21872,
... 7116, 7125, 7489	4025, 6980, 7024,	21891, 21911, 21946
\@bidityftesidenote@margin@justification	23914	\@cftdopartfalse . 21689
..... 7132,	\@bsthanksheadpost 16535	\@cftdoparttrue ...
7489, 7498, 7507	\@bsthanksheadpre 16535	..... 21692, 21696
\@bidityftesidenote@normal@caption	.....	\@cftl@subfig 21880
..... 7194,	. 6735, 16655, 16658	\@cftl@subtab 21900
7291, 7411, 7440,	\@captionabovefalse	\@chapapp . 8753, 8948,
7469, 7491, 7500, 7509	. 19596, 20358, 21123	10780, 12618, 18807
\@bidityftesidenote@print@captionabovetrue	.....	\@chapterlistsgap@off
7260, 7410, 7439,	. 19594, 20356, 21121	..... 17293
7468, 7490, 7499, 7508	\@captype . 3965, 4013,	\@chapterlistsgap@on
\@bidityftesidenote@sidenote	4061, 6548, 16648,	..... 17300, 17308
... 7389, 7476, 7480	16652, 16655,	\@chclass .. 352, 364,
\@bidityftesidenote@sidenote@citations	18893,	375, 1377, 1389,
..... 7285	19501, 19505,	1402, 1422, 1427,
\@bidityftesidenote@sidenote@font	19507, 19508,	21458, 21474,
..... 7113,	19577, 20262,	21485, 23645, 23650
7122, 7298, 7299, 7302	20266, 20268,	\@checkend 4443,
\@bidityftesidenote@sidenote@justification	20339,	4467, 6243, 6244
... 7131, 7298, 7299	21027, 21031,	\@chnum . 353, 360, 371,
\@bidityftesidenote@sidenote@vertical@offset	21033, 21104	1378, 1385, 1398,
..... 7386,	\@cclv 10031,	1408, 1424, 1425,
7387, 7393, 7395,	10088, 12526,	1426, 1439, 1447,
7401, 7408, 7422,	12527, 12555,	1473, 9108, 21459,
7424, 7430, 7437,	12566, 13796,	21466, 21481,
7451, 7453, 7459, 7466	13808, 13842,	23647, 23648, 23649
\@bidityftesidenote@trim@b	13845, 13846,	\@circlefnt 12777
..... 7164, 7171	13856, 13857,	\@classiv 3962,
\@bidityftesidenote@trim@c	15805, 15810,	15727, 21322,
... 7168, 7171, 7176	15822, 17740,	23438, 23618, 23643
\@bidityftesidenote@trim@spaces	23818, 23822,	\@classx . 1405, 1464, 9102
7153, 7156, 7205,	23834, 23838, 23849	\@classz 1405,
7207, 7224, 7226,	\@cclvi 12273,	1464, 1498, 1499,
7243, 7245, 7275, 7277	12275, 12335, 12337	3961, 9102, 15727,
\@bidityftesidenotemargin@increaser	7722, 17830,	21321, 21361,
..... 7009, 7016	17843, 17856,	23437, 23617, 23642
\@bidityftesidenotesavemabox	21530, 21559, 23575	\@cleartopmattertags
..... 6996,	\@cftasnum ... 21716,	..... 129, 15100
6997, 7000, 7003	21747, 21770,	\@cliptoboxdim ... 21488
\@bidityftesidenotexmpar	21787, 21804,	\@clsexextension
..... 6994, 6995	21821, 21838,	5957, 5968, 5984,
\@bidityftesidenoteympar	21855, 21873,	5994, 6003, 6006, 6015
..... 6994, 6999	21892, 21912, 21947	\@clubpenalty .. 584,
\@bidityftetoc@lof@line	\@cftasnumb ... 21717,	2383, 8987, 10820,
..... 7641, 7657	21748, 21771,	18635, 18838, 21624
\@bidityftetoc@pkgnam	21788, 21805,	\@colht 9459, 9486, 9487,
..... 7517, 7518	21822, 21839,	9571, 9572, 9588,
\@bidiundeclaredcolor	21856, 21874,	9704, 9719, 9720,
.... 9158, 9159,	21893, 21913, 21948	9730, 9731, 9738,
23266, 23267, 23306	\@cftbsnum ... 21715,	9754, 9758, 12516,
\@bscontmark 16552	21746, 21769,	12972, 13774,
\@bsmarkseries ... 16533	21786, 21803,	13786, 13787,
\@bsmtitleempty ... 16521	21820, 21837,	13788, 13790,



13792, 13880,	\@contcwidth 16597, 16598	11234, 11244,
15816, 15817,	\@contdelim	11270, 11283,
16696, 16699,	.. 16591, 16602,	11295, 11333,
16701, 16703,	16606, 16613, 16618	11342, 11351,
16708, 16709,	\@contfield	11376, 11388,
16710, 16729,	... 8334, 8349, 8381	11399, 11436,
16730, 16731,	\@contfinal	11446, 11456,
16735, 16796,	.. 16591, 16603,	11482, 11495,
16799, 16801,	16609, 16615, 16619	11507, 11545,
16803, 16808,	\@contfmark . 16590, 16593	11555, 11565,
16809, 16810,	\@contfnote . 16589, 16592	11591, 11604,
16829, 16830,	\@contindw 16614	11616, 11654,
16831, 16835,	\@contnfont	11664, 11674,
19088, 19105,	.. 16591, 16602,	11700, 11713,
19828, 19845,	16606, 16613, 16618	11725, 11763,
20601, 20618, 24093	\@contpost 16623	11773, 11783,
\@colourfalse 4125	\@contpre 16601,	11809, 11822,
\@colourgreenfalse	16607, 16612, 16617	11834, 11872,
. 9771, 9869	\@conttfont	11882, 11892,
\@colourgreentru .	.. 16591, 16603,	11918, 11931,
. 9772, 9870	16609, 16615, 16619	11943, 11981,
\@colourgreyfalse .	\@curfield	11991, 12001,
. 9775, 9873	8333, 8348, 8368,	12027, 12040,
\@colourgreytrue ..	8382, 8392, 24006	12052, 12090,
. 9776, 9874	\@curline 8331,	12100, 12110,
\@colourorangefalse	8346, 24006, 24008	12136, 12149,
. 9769, 9867	\@currbox . 4033, 4064,	12161, 12356,
\@colourorangetru	4068, 6945, 6948,	12368, 12380,
. 9770, 9868	6989, 6992, 6997,	12417, 12431,
\@colouredfalse ..	7001, 7033, 7036,	12445, 13258,
. 9773, 9871	7041, 7045, 7077,	13275, 13291,
\@colouredtrue 9774, 9872	7080, 7085, 7089,	13319, 13333, 13347
\@colourtrue 4124	23879, 23882,	\@currentlabelname
\@colroom . 9731, 9734,	23887, 23891,	. . . . . 14487,
9736, 9737, 10031,	23923, 23926,	14502, 14517,
10088, 13774,	23931, 23935,	14576, 14614,
13788, 13791,	23957, 23966, 23998	14647, 14678, 14709
13793, 15816,	\@currentHlabel . . .	\@currentenvir
15825, 19089,	. 14485, 14500, 14515	4429, 4432, 4433,
19106, 19829,	\@currentHref	4453, 4456, 4457, 4484
19846, 20602, 20619	.. 14486, 14501,	\@currentxt 22140,
\@combinedblfloats	14516, 14575,	22252, 22310, 22320
. 9371, 9430,	14613, 14646,	\@currlist 23956
12836, 12872,	14677, 14708,	\@curtabmar . 24005, 24008
12953, 13707,	14930, 14941, 14943	\@cvtheme 4205, 4208
13760, 16760,	\@currentlabel . . 43,	\@cvthemeoptions . .
16857, 23757, 23800	57, 73, 246, 260,	. . . . . 4206, 4208
\@combinefloats . . .	275, 2129, 2146,	\@date . . 431, 443, 479,
. 12511, 13876	2163, 2179, 2195,	502, 770, 772, 784,
\@compactenum@ 7704	2211, 7337, 7355,	829, 849, 1022,
\@cons 23956, 23957	7373, 10933,	1024, 1036, 1081,
\@contcshortstyle 16603	10947, 10961,	1101, 1272, 1274,
\@contcstyle	10973, 10984,	1286, 1331, 1352,
. 16608, 16614, 16619	10995, 11224,	1361, 3761, 7868,



7922, 8550, 8552,	\@dodynamicthefoot 12950	444, 477, 478, 479,
8564, 8727, 8729,	\@dodynamicthehead 12950	480, 580, 715, 781,
8741, 8817, 8829,	\@dofilelist	782, 783, 784, 826,
8865, 8888, 10578,	. . . 6254, 6255, 6257	827, 828, 829, 978,
10588, 10622,	\@dotsep 22863,	1033, 1034, 1035,
10643, 10673,	22864, 22972, 23670	1036, 1078, 1079,
10685, 10721,	\@dottedtocline . . .	1080, 1081, 1228,
10744, 10829,	. . 22978, 22979,	1283, 1284, 1285,
10834, 12678,	22981, 22999, 23659	1286, 1328, 1329,
12688, 12722,	\@dseries 9019	1330, 1331, 1892,
12743, 15109,	\@eha 4420, 21934	1893, 2238, 2264,
15114, 16530,	\@ehc 4523, 4525,	2290, 2378, 2623,
18098, 18100,	4531, 4533, 4539,	2629, 2635, 2817,
18112, 18157,	4541, 4547, 4549,	2964, 3060, 3155,
18177, 18237,	4957, 5831, 12222,	3504, 3683, 3759,
18239, 18253,	15310, 15317,	3760, 3761, 3762,
18300, 18323,	15803, 16902, 16908	4020, 4332, 4341,
18332, 18490,	\@ehd 16649	4441, 4465, 5661,
18502, 18543,	\@eightcol@footgroupv@r	6070, 6083, 6084,
18565, 18677,	. . . . . 11859	6090, 6113, 6143,
18689, 18725,	\@eightcolLTRfootfmt	6151, 6170, 6173,
18748, 19164,	. 11885, 11906, 11934	6184, 6188, 6198,
19304, 19904,	\@eightcolLTRfootnotetext	6204, 6205, 6206,
20044, 20677, 20817	. . . . . 11854, 11878	6219, 6231, 6235,
\@dblarg 16655	\@eightcolRTLfootfmt	6302, 6313, 7196,
\@dblfloatplacement	. 11895, 11909, 11946	7215, 7234, 7255,
. . . . 9375, 9434,	\@eightcolRTLfootnotetext	7262, 7850, 7917,
12837, 12876,	. . . . . 11855, 11888	7918, 7919, 8486,
12960, 13711,	\@eightcolfootfmt .	8561, 8562, 8563,
13764, 16764,	. 11875, 11903, 11921	8564, 8674, 8738,
16861, 23761, 23804	\@eightcolfootnotetext	8739, 8740, 8741,
\@declaredcolor 9143,	. . . . . 11853, 11868	8827, 8828, 8829,
9144, 23223, 23246	\@elt 4553,	8830, 8863, 8864,
\@dedication	4556, 6833, 6834,	8865, 8866, 8983,
. . 19206, 19209,	6835, 6836, 6837,	9009, 9339, 9402,
19314, 19946,	6838, 6839, 6840,	10058, 10110,
19949, 20054,	6841, 6842, 6843,	10545, 10586,
20719, 20722, 20827	6844, 6874, 6875,	10587, 10588,
\@dedicatory 323	6876, 6877, 6878,	10589, 10620,
\@deferlist 13772	6879, 6880, 6881,	10621, 10622,
\@definitionfileextension	6882, 6883, 6884,	10623, 10683,
. 4498, 4501	6885, 6886, 6887,	10684, 10685,
\@depth . . . 389, 15739,	6888, 6889, 6890,	10686, 10719,
21301, 21330,	6891, 9045, 9997,	10720, 10721,
21370, 23627, 23995	10018, 10024,	10722, 10816,
\@dgroup 9006	10059, 10061,	10827, 10843,
\@dischyph	10063, 10069,	10847, 12352,
. 13633, 15877, 17883	10081, 10111,	12364, 12376,
\@displaypagenumbersfalse	10113, 10115,	12407, 12426,
. 4304	10121, 21389, 21391	12440, 12510,
\@displaypagenumberstrue	\@email . . 4217, 9859, 9957	12653, 12686,
. 4303	\@empty 86,	12687, 12688,
\@dmath 8994, 9023	115, 134, 136, 289,	12689, 12720,
\@docolbox 13026	404, 441, 442, 443,	12721, 12722,



12723,	12816,	19303,	19304,	20869,	20900,
12852,	13403,	19305,	19306,	20925,	20926,
13485,	13685,	19307,	19308,	21031,	21259,
13734,	13772,	19309,	19310,	21376,	21424,
13875,	13890,	19311,	19312,	21620,	21920,
13891,	13892,	19313,	19314,	21922,	22275,
13893,	13894,	19344,	19374,	22281,	22748,
14487,	14502,	19399,	19400,	23226,	23229,
14517,	14576,	19505,	19764,	23269,	23272,
14614,	14647,	19864,	19865,	23425,	23635,
14678,	14709,	19872,	19880,	23644,	23733,
15020,	15086,	19887,	19893,	23780,	24045,
15107,	15149,	19909,	19915,	24046,	24048, 24049
15362,	15368,	19928,	19931,	\@emptycol	9723,
15391,	15395,	19938,	19946,	9726,	9742, 9745
15397,	15753,	19951,	19966,	\@emptytoks	9008
15778,	16527,	19973,	19988,	\@end@tempboxa	13917,
16528,	16529,	19989,	19993,	14011,	14028, 23537
16530,	16689,	19994,	20002,	\@endfloatbox	4085
16789,	17287,	20003,	20007,	\@endmodernpoem	8344, 8364
17788,	18043,	20008,	20017,	\@endparenv	8254,
18109,	18110,	20018,	20022,	8361,	17334, 17354
18111,	18112,	20023,	20031,	\@endparpenalty	3878,
18154,	18155,	20032,	20042,	3887,	12887, 12901
18156,	18157,	20043,	20044,	\@endpbox	
18250,	18251,	20045,	20046,	1415,	1416, 1457,
18252,	18253,	20047,	20048,	1481,	1482, 1483,
18297,	18298,	20049,	20050,	9116,	9117, 9118,
18299,	18300,	20051,	20052,	15724,	15730,
18437,	18500,	20053,	20054,	21336,	21374, 23633
18501,	18502,	20104,	20135,	\@endpetrue .	23379, 23389
18503,	18541,	20160,	20161,	\@endtraditionalpoem	
18542,	18543,	20266,	20537,	. . . . .	8235, 8300
18544,	18631,	20637,	20638,	\@ensure@LR .	17730, 23399
18687,	18688,	20645,	20653,	\@ensure@LTR . .	17728,
18689,	18690,	20660,	20666,	17730,	17738,
18723,	18724,	20682,	20688,	23397,	23399,
18725,	18726,	20701,	20704,	23407,	23409,
18834,	19025,	20711,	20719,	23411,	24296, 24298
19124,	19125,	20724,	20739,	\@ensure@RL .	17729, 23398
19132,	19140,	20746,	20761,	\@ensure@RTL . .	17727,
19147,	19153,	20762,	20766,	17729,	23396, 23398
19169,	19175,	20767,	20775,	\@ensure@dir . .	17731,
19188,	19191,	20776,	20780,	17732,	23400, 23401
19198,	19206,	20781,	20790,	\@ensure@maindir . .	
19211,	19226,	20791,	20795,	. . . . .	17732, 23401
19233,	19248,	20796,	20804,	\@enumctr	2316, 7705, 7706
19249,	19253,	20805,	20815,	\@eqnnum	
19254,	19262,	20816,	20817,	. 12908,	15103, 24114
19263,	19267,	20818,	20819,	\@evenfoot	2050,
19268,	19277,	20820,	20821,	3723,	12943, 24038
19278,	19282,	20822,	20823,	\@evenhead	
19283,	19291,	20824,	20825,	. 2049,	12942, 24038
19292,	19302,	20826,	20827,	\@expandtwoargs . . .	6189



\@extrafootnotefeaturesfalse	16689, 16693, 24086, 24090, 24096
..... 3483	16788, 16789, \@firstoftwo ... 3299,
\@extrafootnotefeaturestrue	16793, 23732, 3305, 3311, 4562,
..... 3481	23733, 23737, 4570, 4574, 4582,
\@extrainfo	23779, 23780, 23784 4586, 4594, 4600,
... 4218, 9860, 9958	\@firstcoltopmark . 4604, 4617, 4625,
\@extratitle .....	.... 9336, 9344, 4631, 4635, 4643,
.. 19124, 19131,	9399, 9407, 12813, 4649, 4652, 4655,
19248, 19254,	12821, 12849, 4669, 4676, 5066,
19262, 19268,	12857, 13682, 5084, 5090, 5114,
19277, 19283,	13690, 13731, 5141, 5171, 5234,
19307, 19864,	13739, 16686, 5244, 5894, 17268
19871, 19988,	16694, 16786, \@fivecol@footgroupv@r
19994, 20002,	16794, 23730, 11532
20008, 20017,	23738, 23777, 23785 \@fivecolLTRfootfmt
20023, 20047,	\@firstcolumnfalse . 11558, 11579, 11607
20637, 20644,	9329, 9392, 9762, \@fivecolLTRfootnotetext
20761, 20767,	12807, 12843, 11527, 11551
20775, 20781,	12967, 13671, \@fivecolRTLfootfmt
20790, 20796, 20820	13720, 16679, . 11568, 11582, 11619
\@familyname	16779, 23723, 23770 \@fivecolRTLfootnotetext
4150, 4152, 4153,	\@firstcolumntrue 11528, 11561
4211, 9834, 9924, 9945	9347, 9410, 9717, \@fivecolfootfmt ..
\@familynamecolour	12823, 12860, . 11548, 11576, 11594
..... 4180, 4197	12931, 13695, \@fivecolfootnotetext
\@fax 4216, 9858, 9956	13744, 16738, 11526, 11541
\@fcolmadefalse .. 13773	16838, 23741, 23788 \@float 6579, 6908
\@ff@do@allframes .	\@firstdetailselementfalse\@floatboxreset ... 4083
..... 12952, 12957	..... 9939 \@floatpenalty . 4026,
\@ff@fbox 13035	\@firstdetailselementtrue 4028, 4031, 6981,
\@ff@setoffset ... 13032	..... 9936 6983, 6987, 6991,
\@ffbackground ... 13022	\@firstfooterelementfalse 7025, 7027, 7031,
\@filebordercolor .	.... 9855, 9856, 7035, 7069, 7071,
..... 14788, 14790	9857, 9858, 9859, 9860 7075, 7079, 23871,
\@filecolor 14806	\@firstfooterelementtrue 23873, 23877,
\@filef@und 5903	..... 9840 23881, 23915,
\@finalstrut	\@firstname 23917, 23921, 23925
2133, 2150, 2167,	4150, 4152, 4153, \@fltovf 4066, 6992, 7036,
2183, 2199, 2215,	4210, 9834, 9924, 9945 7080, 23882, 23926
10911, 10917,	\@firstnamecolour 4179, 4196
10923, 13263,	\@firstofone ... 5294, 15883, 18599,
13280, 13296,	5301, 5309, 5320, 22328, 22332,
13323, 13337, 13351	5334, 5340, 5350, 22336, 22382, 23575
\@firstampfalse 1437, 1445	5356, 6356, 12980, \@fnsymbol 453, 745, 804,
\@firstcolfirstmark	..... 9338, 12998, 13002, .. 453, 745, 804,
..... 9338,	9339, 9343, 9401, 13005, 13008, 997, 1056, 1247,
9339, 9343, 9401,	9402, 9406, 12815, 13014, 14912, 1306, 3747, 8525,
9402, 9406, 12815,	12816, 12820, 14913, 14914, 8702, 8839, 10598,
12816, 12820,	12851, 12852, 14915, 16653, 10695, 12698,
12851, 12852,	12856, 13684, 19474, 20235, 18073, 18132,
12856, 13684,	13685, 13689, 21000, 24020, 18212, 18273,
13685, 13689,	13733, 13734, 24062, 24074, 18469, 18512,
13733, 13734,	13738, 16688, 24077, 24079, 18699, 19121,



19242, 19861,	. 11092, 12238, 12296	\@fs@post 6924, 6937, 6951
19982, 20634, 20755	\@for . 6111, 6172, 6185,	\@fs@pre . 6923, 6936, 6944
\@footgroupv@r	6207, 6211, 7197,	\@g@tnextcol 12929
. . 11093, 11182,	7202, 7216, 7221,	\@getcirc 12773
11211, 11320,	7235, 7240, 7263,	\@gnewline . . . 17832,
11423, 11532,	7272, 9307, 22279	17845, 17858, 17869
11641, 11750,	\@fourcol@footgroupv@r	\@gobble 3930,
11859, 11968,	. . . . . 11423	4440, 4464, 4486,
12077, 12237, 12295	\@fourcollTRfootfmt	4491, 5197, 5198,
\@footnote 7799	. 11449, 11470, 11498	5199, 5200, 5201,
\@footnotemark . 2241,	\@fourcollTRfootnotetext	5296, 5311, 5326,
2248, 2267, 2274,	. . . . . 11418, 11442	5372, 5386, 5398,
2293, 2300, 3993,	\@fourcolRTLfootfmt	5410, 6100, 6235,
4001, 4009, 7308,	. 11459, 11473, 11510	6412, 7972, 8037,
7401, 7408, 7430,	\@fourcolRTLfootnotetext	12990, 12991,
7437, 7459, 7466,	. . . . . 11419, 11452	12992, 16650,
8282, 8289, 8296,	\@fourcolfootfmt . .	19416, 19417,
13224, 13230,	. 11439, 11467, 11485	19418, 19419,
13233, 13239,	\@fourcolfootnotetext	20177, 20178,
14528, 14717,	. . . . . 11417, 11432	20179, 20180,
14721, 14735, 14736	\@fps 4014,	20942, 20943,
\@footnotetext 34, 79,	4015, 4017, 4020, 4037	20944, 20945,
151, 152, 153, 237,	\@fpsadddefault 4018, 4021	23230, 23273,
282, 2218, 2222,	\@freelist 4033,	24055, 24056, 24057
2227, 3950, 4072,	6833, 6874, 6989,	\@gobbletwo
7329, 7401, 7408,	6990, 7033, 7034,	4511, 4512, 4515,
8152, 8163, 8369,	7077, 7078, 12509,	4516, 5430, 15166,
8383, 9977, 9978,	13874, 23879,	19420, 20181, 20946
10866, 10880,	23880, 23923,	\@gtempa 4699, 4700
10881, 10925,	23924, 23956, 23957	\@halignto 393,
11000, 11008,	\@frontispiece	408, 21334, 21372,
11205, 11314,	. . 19125, 19128,	23425, 23631, 23644
11417, 11526,	19132, 19135,	\@hangfrom . . . 19511,
11635, 11744,	19249, 19253,	19541, 19544,
11853, 11962,	19263, 19267,	20272, 20302,
12071, 12230,	19278, 19282,	20305, 21037,
12285, 12287,	19308, 19865,	21067, 21070, 23599
13250, 13307,	19868, 19872,	\@hboxRconstructfalse
13366, 14398,	19875, 19989,	. . . . . 17696, 23345
14406, 14477,	19993, 20003,	\@hboxRconstructtrue
14525, 14718,	20007, 20018,	404, 17686, 21341,
14722, 14738,	20022, 20048,	21380, 23335, 23640
14739, 15786,	20638, 20641,	\@height 388,
15933, 17054,	20645, 20648,	1495, 9130, 9605,
17056, 17057,	20762, 20766,	13614, 15738,
18976, 18979,	20776, 20780,	15791, 15903,
19417, 19715,	20791, 20795, 20821	19062, 19069,
19718, 20178,	\@fs@capt 6922, 6935, 6943	19802, 19809,
20488, 20491,	\@fs@cfont 6915,	20575, 20582,
20943, 21404,	6921, 6931, 6934,	21301, 21329,
21421, 21511, 21513	6942, 12912, 12913	21370, 23626, 23995
\@footstartv@l	\@fs@iftopcapt	\@highpenalty
. 11088, 12245, 12303	. . . 6926, 6939, 6952	. . . . 8431, 8447,
\@footstartv@r	\@fs@mid . 6925, 6938, 6950	8454, 8464, 8608,



8624, 8631, 8641,	3943, 4934, 5987,	24216, 24217,
8895, 8910, 8920,	5988, 6032, 6033,	24218, 24221,
10751, 12586,	6077, 6994, 7038,	24222, 24223,
12601, 12611,	7082, 9143, 9158,	24224, 24247,
17983, 17999,	13222, 13231,	24248, 24249,
18006, 18016,	13390, 13405,	24250, 24251,
18355, 18371,	13423, 13429,	24252, 24253,
18378, 18388,	13983, 14725,	24254, 24255,
18571, 18585,	14749, 17069,	24256, 24257,
18595, 18755,	17338, 17358,	24258, 24259,
18770, 18780,	23223, 23266,	24260, 24261,
21702, 21737,	23450, 23884, 23928	24262, 24263,
22126, 22150, 22238	\@ifpackagelater ..	24264, 24265,
\@hintcolour .. 4187, 4203	.. 6396, 6401, 13093	24266, 24267,
\@holdpg	\@ifpackageloaded .	24268, 24270,
9465, 9482, 9485,	..... 170, 1454,	24271, 24272,
9502, 9593, 9626, 9628	1989, 5127, 6060,	24273, 24274,
\@hyper@launch ... 14811	6120, 6355, 6373,	24275, 24276,
\@idxitem 102, 107, 222,	6395, 6400, 6901,	24277, 24278,
227, 603, 618, 867,	6906, 6959, 10450,	24279, 24280,
1119, 7763, 7770,	10451, 11187,	24281, 24282,
8406, 8583, 8794,	12195, 14522,	24283, 24284,
15037, 15042,	14542, 14620,	24285, 24286,
17940, 18195,	14919, 15384,	24287, 24288,
18655, 21682, 24124	15509, 15766,	24289, 24290,
\@ifclasslater 6398, 6403	16629, 21606,	24291, 24292, 24293
\@ifclassloaded ...	23426, 24113,	\@ifpackagewith ...
.... 6018, 6397,	24126, 24139,	... 9284, 15296,
6402, 6432, 7812,	24149, 24153,	15299, 17917,
7814, 8796, 11017,	24157, 24161,	17920, 21631,
13044, 13057,	24162, 24163,	24166, 24169,
24127, 24128,	24164, 24165,	24170, 24171,
24129, 24130,	24172, 24173,	24225, 24235, 24241
24131, 24132,	24174, 24175,	\@ifstar 5051,
24133, 24134,	24176, 24177,	5986, 6031, 6073,
24135, 24136,	24178, 24179,	6165, 6751, 10454,
24137, 24138,	24180, 24181,	11015, 11218,
24139, 24140,	24182, 24183,	11327, 11430,
24141, 24142,	24184, 24185,	11539, 11648,
24143, 24144,	24186, 24187,	11757, 11866,
24145, 24146,	24188, 24189,	11975, 12084,
24147, 24148,	24190, 24191,	12279, 12341, 13986
24149, 24150,	24192, 24193,	\@iftagsloaded
24151, 24152,	24194, 24195,	. 4500, 24154, 24155
24180, 24267, 24268	24196, 24197,	\@iftexfileloaded .
\@ifdefinable .. 4681,	24198, 24199,	. 4502, 24219, 24220
4684, 4687, 4702,	24200, 24201,	\@ifundefined .. 330,
4944, 4959, 13147	24202, 24203,	331, 4307, 4521,
\@ifdefinitionfileloaded	24204, 24205,	4524, 4529, 4532,
..... 4501, 24269	24206, 24207,	4537, 4540, 4545,
\@ifempty .. 7, 202, 15065	24208, 24209,	4548, 5975, 5979,
\@ifl@aded 4500, 4501, 4502	24210, 24211,	6129, 6222, 7143,
\@ifnextchar ... 163,	24212, 24213,	7626, 7634, 7749,
405, 3898, 3928,	24214, 24215,	7751, 7756, 7846,



7863, 9145, 9152, 9160, 9166, 12915, 13140, 14922, 14923, 15320, 15331, 15394, 15396, 15401, 17446, 17914, 21921, 21925, 22001, 22023, 22024, 22072, 22073, 22160, 22182, 22183, 22467, 22490, 22544, 22604, 22653, 22670, 22700	18048, 18442, 18639, 18842, 19382, 19389, 20143, 20150, 20908, 20915, 21628	..... 7999, 8029, 8971, 10804
\@ifundefinedmodel 23256, 23290	\@latex@warning@no@line .. 9721, 9739, 23971	\@mainmattertrue 7996, 8012
\@ifxempty 23316	\@latexbug 23957	\@makeLRFntext 2114, 2166, 2214
\@ignoretrue 9030	\@latexerr 13811, 13821, 13831	\@makeRTLfntext 2109, 2149, 2198
\@iiiminipage 13353	\@leftcolumn ... 9330, 9356, 9393, 9415, 9468, 9473, 12808, 12829, 12844, 12865, 13672, 13700, 13721, 13753, 16680, 16739, 16752, 16780, 16839, 16848, 23724, 23750, 23771, 23793	\@makecaption .. 6746, 9091, 16586, 16636, 16668, 19468, 19500, 20229, 20261, 20994, 21026, 24099
\@iiiparbox 11166, 13384, 23508	\@let@token ... 4477, 4480	\@makechapterhead . . 301, 8748, 8943, 10775, 12614, 17815, 18803, 21647
\@indextitlestyle 100, 220, 15035	\@lettrine 15129	\@makecol 12577, 12578, 13797, 13807, 15811, 15823, 23816
\@inlabelfalse 8997	\@listI 6449	\@makeextratitle 19251, 19265, 19280, 19991, 20005, 20020, 20764, 20778, 20793
\@insertfalse 9450	\@listdepth 13206, 13369, 13638, 13642, 15263, 19003, 19742, 20515, 23462, 23465, 23470	\@makefnmark ... 454, 805, 1307, 2111, 2116, 3748, 7304, 7315, 8840, 9982, 10003, 10599, 10696, 12699, 15052, 16534, 18133, 18274, 18470, 18513, 18700, 19122, 19123, 19243, 19244, 19862, 19863, 19983, 19984, 20635, 20636, 20756, 20757
\@inserttrue 9716	\@listi .. 6449, 6457, 7667	\@makefntext 45, 59, 75, 248, 262, 277, 455, 742, 807, 994, 1057, 1244, 1309, 2132, 2182, 3749, 7302, 7341, 7359, 7377, 8522, 8699, 8841, 10600, 10697, 12700, 13262, 13279, 13295, 13322, 13336, 13350, 13895,
\@iprintcites 17824	\@loadwithoptions 5910, 5912, 5919	
\@itemdepth 2307, 2327, 2328, 2329	\@lowertitleback 19175, 19186, 19198, 19233, 19313, 19915, 19926, 19938, 19973, 20053, 20688, 20699, 20711, 20746, 20826	
\@itemfudge . 24005, 24007	\@lowpenalty . 3874, 22772	
\@itemlabel 23471	\@m ... 93, 296, 586, 718, 981, 1231, 2385, 8489, 8677, 8989, 10548, 10822, 12656, 13673, 13675, 13722, 13724, 15027, 17267, 18046, 18440, 18637, 18840, 19378, 20139, 20904, 21626	
\@ixpt 7663	\@mainmatterfalse .	
\@keywords 324		
\@kludgeins ... 12513, 13877, 17167, 17182		
\@lastchclass .. 353, 354, 355, 356, 358, 1378, 1379, 1380, 1381, 1383, 1422, 1423, 1435, 1443, 21459, 21460, 21461, 21462, 21464, 23645, 23646		
\@lastvipertrue 9728, 9747		
\@latex@error 4419, 6094, 16649, 16902, 16908		
\@latex@warning . 95, 298, 588, 720, 983, 1233, 2387, 4337, 8491, 8679, 8991, 10550, 10824, 12658, 15029,		



16536, 18070,	19301, 20000,	17264, 19657,
18135, 18209,	20014, 20029,	19675, 19685,
18276, 18472,	20041, 20773,	19695, 19706,
18515, 18701,	20787, 20802, 20814	20428, 20448,
18993, 19020,	\@maketitle@hook ..	20458, 20468,
19023, 19732,	..... 118, 15089	20479, 21193,
19759, 19762,	\@makewincaption . 17543	21213, 21223,
20505, 20532, 20535	\@marbox 6990,	21233, 21244, 21266
\@makefrontispiece	6992, 6996, 7000,	\@mkboth ... 571, 599,
.. 19257, 19271,	7001, 7034, 7036,	615, 706, 864, 969,
19286, 19997,	7040, 7044, 7045,	1116, 1219, 8403,
20011, 20026,	7078, 7080, 7084,	8477, 8580, 8665,
20770, 20784, 20799	7088, 7089, 23880,	8790, 8974, 10536,
\@makeother 5050,	23882, 23886,	10807, 12644,
5096, 5208, 5216	23890, 23891,	17937, 18034,
\@makeschapterhead	23924, 23926,	18192, 18428,
8402, 8579, 8768,	23930, 23934,	18622, 18651, 18825
8789, 8957, 10790,	23935, 23956,	\@mklab 23472
12626, 17936,	23966, 23969,	\@mkpream . 392, 15743,
18191, 18650,	23977, 23979,	21332, 21364, 23629
18815, 21653, 21658	23980, 23982,	\@mobile . 4214, 9856, 9954
\@makespecialcolbox	23983, 23984,	\@modernpoem .. 8320, 8364
..... 12514, 13878	23993, 23997, 23998	\@mpLTrfootnotetext
\@maketitle 120,	\@mathmargin .. 10406,	..... 2202,
316, 320, 460, 462,	10413, 10421, 10428	10870, 10888,
467, 476, 486, 811,	\@maxdepth	10889, 10978,
813, 818, 825,	.. 11083, 12525,	11004, 11012,
835, 1063, 1065,	12540, 12563,	11213, 11322,
1070, 1077, 1087,	12576, 13888,	11425, 11534,
1313, 1315, 1320,	23821, 23837, 23848	11643, 11752,
1327, 1337, 3752,	\@memtempa ... 16586,	11861, 11970,
3758, 8846, 8848,	16588, 16602,	12079, 12248,
8853, 8862, 8872,	16609, 16613, 16618	12310, 13325,
10605, 10607,	\@menubordercolor .	13367, 14428,
10612, 10619,	..... 14882, 14884	14443, 14466,
10629, 10702,	\@menucolor 14893	14530, 15934, 21514
10704, 10709,	\@midlist 12509,	\@mpRTLfootnotetext
10718, 10728,	12510, 13874, 13875	..... 2186,
12705, 12707,	\@minipagefalse 4087,	10871, 10890,
12712, 12719,	7011, 7020, 7055,	10891, 10989,
12729, 15091,	7064, 7099, 7108,	11005, 11013,
16539, 16541,	11163, 13381,	11214, 11323,
16548, 18139,	15353, 16642,	11426, 11535,
18141, 18146,	23901, 23910,	11644, 11753,
18153, 18163,	23945, 23954, 24105	11862, 11971,
18280, 18282,	\@minipagerestore 13370	12080, 12249,
18287, 18296,	\@minipagetrue	12311, 13311,
18306, 18524,	.... 7019, 7063,	13368, 14417,
18526, 18531,	7107, 23909, 23953	14442, 14455,
18540, 18550,	\@minus 4254, 4340, 6445,	14531, 15935, 21515
18706, 18708,	6447, 6454, 6456,	\@mparbottom
18713, 18722,	6458, 6459, 7664,	.. 23967, 23975,
18732, 19260,	7666, 7668, 7669,	23976, 23977, 23978
19274, 19289,	13552, 13590,	\@mpargs



. 11166, 13359, 13384	11266, 11277,	..... 11970, 12033
\@mparswitchfalse . 6428	11278, 11290,	\@mpninecolRTLfootnotetext
\@mparswitchtrue .. 6423	11291, 11371,	..... 11971, 12046
\@mpeightcol@footgroupv@r	11372, 11382,	\@mpninecolfootnotetext
..... 11865	11383, 11394,	..... 11969, 12021
\@mpeightcolLTRfootnotetext	11395, 11477,	\@mppara@LTRfootgroupv@l
..... 11861, 11924	11478, 11489,	..... 12254, 12316
\@mpeightcolRTLfootnotetext	11490, 11502,	\@mppara@footgroupv@r
..... 11862, 11937	11503, 11586,	..... 12253, 12315
\@mpeightcolfootnotetext	11587, 11598,	\@mpparaLTRfootnotetext
..... 11860, 11912	11599, 11611,	. 12248, 12310, 12424
\@mpfivecol@footgroupv@r	11612, 11695,	\@mpparaRTLfootnotetext
..... 11538	11696, 11707,	..... 12249, 12438
\@mpfivecolLTRfootnotetext	11708, 11720,	\@mpparafootnotetext
..... 11534, 11597	11721, 11804,	. 12247, 12308, 12399
\@mpfivecolRTLfootnotetext	11805, 11816,	\@mpsevenscol@footgroupv@r
..... 11535, 11610	11817, 11829,	..... 11756
\@mpfivecolfootnotetext	11830, 11913,	\@mpsevenscolLTRfootnotetext
..... 11533, 11585	11914, 11925,	..... 11752, 11815
\@mpfn 2228, 2254, 2280,	11926, 11938,	\@mpsevenscolRTLfootnotetext
3968, 3971, 3974,	11939, 12022,	..... 11753, 11828
3990, 3998, 4006,	12023, 12034,	\@mpsevenscolfootnotetext
7399, 7405, 7428,	12035, 12047,	..... 11751, 11803
7434, 7457, 7463,	12048, 12131,	\@mpsixcol@footgroupv@r
8259, 8262, 8265,	12132, 12143,	..... 11647
8279, 8286, 8293,	12144, 12156,	\@mpsixcolLTRfootnotetext
13222, 13227,	12157, 12402,	..... 11643, 11706
13231, 13236,	12411, 12439, 12442	\@mpsixcolRTLfootnotetext
13365, 13395,	\@mpfootnotetext 2170,	..... 11644, 11719
13410, 14403,	10869, 10886,	\@mpsixcolfootnotetext
14414, 14425,	10887, 10967,	..... 11642, 11694
14625, 14656,	11003, 11011,	\@mptencol@footgroupv@r
14687, 14750,	11212, 11321,	..... 12083
15930, 21446, 21453	11424, 11533,	\@mptencolLTRfootnotetext
\@mpfootins	11642, 11751,	..... 12079, 12142
2172, 2174, 2188,	11860, 11969,	\@mptencolRTLfootnotetext
2190, 2204, 2206,	12078, 12247,	..... 12080, 12155
10968, 10969,	12306, 12308,	\@mptencolfootnotetext
10979, 10980,	13339, 13366,	..... 12078, 12130
10990, 10991,	14406, 14441,	\@mpthreecol@footgroupv@r
11127, 11135,	14444, 14529,	..... 11326
11143, 11153,	15933, 21511, 21513	\@mpthreecolLTRfootnotetext
11157, 11160,	\@mpfourcol@footgroupv@r	..... 11322, 11381
13313, 13314,	..... 11429	\@mpthreecolRTLfootnotetext
13327, 13328,	\@mpfourcolLTRfootnotetext	..... 11323, 11393
13341, 13342,	..... 11425, 11488	\@mpthreecolfootnotetext
13375, 13376,	\@mpfourcolRTLfootnotetext	..... 11321, 11370
13379, 15919, 15924	..... 11426, 11501	\@mptwocol@footgroupv@r
\@mpfootinsv@l	\@mpfourcolfootnotetext	..... 11217
.. 11125, 11141,	..... 11424, 11476	\@mptwocolLTRfootnotetext
11184, 12404,	\@mplistdepth 13206, 13369	..... 11213, 11276
12413, 12425, 12428	\@mpninecol@footgroupv@r	\@mptwocolRTLfootnotetext
\@mpfootinsv@r 11124,	..... 11974	..... 11214, 11289
11183, 11265,	\@mpninecolLTRfootnotetext	



\@mptwocolfootnotetext	22192,	22195,	19508,	19913,
..... 11212, 11264	22198,	22206,	20269,	20686,
\@namedef	22207,	22209,	21034,	21665,
5979,	22212,	22215,	21937,	21938,
6130, 8317, 11168,	22228,	22468,	21939,	21942,
11203,	22469,	22470,	21945,	21950,
11307,	22471,	22472,	21951,	21956,
11405,	22473,	22474,	21960,	21961,
11415,	22475,	22476,	21963,	21964,
11519,	22515,	22521,	21966,	21967,
11623,	22528,	22534,	21969,	21970,
11633,	22541,	22545,	21972,	21973,
11737,	22546,	22547,	21980,	21985,
11841,	22548,	22550,	21986,	22069,
11851,	22551,	22553,	22116,	22120,
11955,	22556,	22559,	22121,	22133,
12059,	22567,	22568,	22143,	22144,
12069,	22570,	22573,	22228,	22232,
12173,	22576,	22601,	22233,	22254,
12282,	22605,	22606,	22270,	22273,
12463,	22607,	22609,	22274,	22278,
12482,	22610,	22612,	22284,	22285,
12503,	22615,	22618,	22286,	22290,
21936,	22626,	22627,	22293,	22297,
21976,	22629,	22632,	22299,	22313,
21978,	22635,	22655,	22315,	22317,
21980,	22658,	22662,	22323,	22341,
21982,	22702, 22705, 22709		22342,	22344,
21984,	\@nameuse . 5976, 8315,		22345,	22355,
22003,	10336,	10386,	22357,	22360,
22005,	10389,	10435,	22361,	22363,
22007,	11304,	11305,	22365,	22366,
22009,	11309,	11310,	22374,	22376,
22025,	11407,	11408,	22380,	22381,
22027,	11412,	11413,	22385,	22389,
22030,	11516,	11517,	22393,	22394,
22033,	11521,	11522,	22462,	22495,
22039,	11625,	11626,	22502,	22507,
22048,	11630,	11631,	22508,	22515,
22053,	11734,	11735,	22594,	22601,
22069,	11739,	11740,	22672,	22739,
22075,	11843,	11844,	23258, 23292, 24029	
22078,	11848,	11849,	\@ne	137,
22081,	11952,	11953,	142, 353, 362, 365,	
22087,	11957,	11958,	459, 810, 1062,	
22096,	12061,	12062,	1312, 1378, 1387,	
22101,	12066,	12067,	1390, 1391, 1392,	
22116,	12170,	12171,	1425, 1428, 1429,	
22162,	12175,	12176,	1430, 2171, 2187,	
22164,	12454,	12460,	2203, 2328, 3541,	
22166,	12464,	12470,	3546, 3547, 3548,	
22168,	12474,	12479,	4043, 4345, 4373,	
22184,	12483,	12488,	4408, 4715, 4769,	
22186,	19173,		4823, 5553, 5712,	
22189,				



5783, 5844, 6337, 6346, 8845, 9295, 10604, 10701, 12704, 13312, 13326, 13340, 13652, 14758, 14759, 14764, 15252, 15308, 15315, 15324, 15335, 15745, 16538, 16615, 16878, 17337, 17357, 18138, 18279, 18476, 18519, 18523, 18705, 19003, 19030, 19032, 19247, 19414, 19742, 19769, 19771, 19987, 20175, 20515, 20542, 20544, 20760, 20940, 21394, 21398, 21459, 21468, 21475, 21777, 22120, 22121, 22232, 22233, 22462, 23172, 23319, 23465, 23506, 23541, 23543, 23544, 23545, 23550, 23552, 23553, 23554, 23559, 23561, 23562, 23563, 23568, 23570, 23571, 23572, 23648, 23650, 23693, 23957	1395, 1396, 1399, 1400, 1401, 1413, 1415, 1416, 1481, 1482, 1483, 9116, 9117, 9118, 21465, 21467, 21468, 21469, 21470, 21471, 21472, 21473, 21475, 21476, 21477, 21478, 21479, 21482, 21483, 21484	10823, 12657, 15029, 17274, 18047, 18441, 18638, 18841, 19381, 19388, 20142, 20149, 20907, 20914, 21627
\@newlistfalse 12979, 24018	\@nil 1466, 1467, 1469, 1470, 9105, 10025, 10082, 14925, 14934, 14936, 14948, 21580	\@nonlatinfalse 3326, 3445, 15342, 15386
\@next 4033, 6989, 6990, 7033, 7034, 7077, 7078, 23879, 23880, 23923, 23924, 23956	\@ninecol@footgroupv@r 11968	\@nonlatintrue . 3327, 3447, 15342, 15386
\@nextchar 359, 361, 362, 363, 365, 366, 367, 368, 369, 372, 373, 374, 1384, 1386, 1387, 1388, 1390, 1391, 1392, 1393, 1394,	\@ninecollTRfootfmt . 11994, 12015, 12043	\@normalLTRfootfmt . 10919, 10964, 10987
	\@ninecollTRfootnotetext 11963, 11987	\@normalRTLfootfmt . 10913, 10950, 10998
	\@ninecolRTLfootfmt . 12004, 12018, 12055	\@normalcr 15886
	\@ninecolRTLfootnotetext 11964, 11997	\@normalfootfmt 10907, 10936, 10976
	\@ninecolfootfmt .. . 11984, 12012, 12030	\@notprerr ... 5296, 5311
	\@ninecolfootnotetext 11962, 11977	\@nx 124, 125, 334, 15095, 15096
	\@nmbulistfalse .. 23473	\@nxocol 12927, 12929, 12970
	\@nobreakfalse . 520, 672, 916, 1155, 8441, 8618, 8905, 10760, 12596, 17993, 18365, 18580, 18765, 21724, 21728, 22263	\@oddfoot 2045, 2050, 3718, 12940, 12947, 24032, 24049
	\@nobreaktrue .. 519, 671, 915, 1154, 8440, 8617, 8904, 10759, 12595, 17992, 18364, 18579, 18764, 21723, 21727, 22262	\@oddhead 1969, 2049, 12939, 12946, 24032, 24048
	\@nocnterr 331	\@oldmakefnmark 19122, 19123, 19243, 19244, 19862, 19863, 19983, 19984, 20635, 20636, 20756, 20757
	\@nocounterr 330	\@onefilewithoptions ... 5926, 5927, 5934
	\@nodocument 4012	\@onelevel@sanitize 4015
	\@noitemerr 95, 298, 587, 719, 982, 1232, 2386, 4337, 8490, 8678, 8990, 10549,	\@onlypreamble 3422, 6149, 6159, 6163, 12344
		\@openbib@code 578, 713, 976, 1226, 4330, 4341, 8484, 8672, 8981, 10543, 10814, 12651, 18041, 18435, 18629, 18832, 19364, 20125, 20890, 21618
		\@otarlinesep 21354, 21360
		\@outerparskip 8358
		\@outputbox 9330, 9333, 9334, 9348, 9360,



9365, 9367, 9393,	17395, 17396,	11398, 11481,
9396, 9397, 9411,	23759, 23763,	11493, 11506,
9421, 9424, 9426,	23802, 23806, 24013	11590, 11602,
11082, 11084,	\@ovbtrue 12762	11615, 11699,
12516, 12518,	\@ovdx 12775, 12783	11711, 11724,
12519, 12524,	\@ovdy 12776, 12784	11808, 11820,
12539, 12541,	\@ovhorz . . . 12781, 12782	11833, 11917,
12555, 12566,	\@ovltrue 12762	11929, 11942,
12808, 12811,	\@ovri 12774	12026, 12038,
12824, 12833,	\@ovro 12774, 12783, 12784	12051, 12135,
12844, 12847,	\@ovrtrue 12762	12147, 12160,
12861, 12871,	\@ovttrue 12762	12416, 12430,
12952, 12957,	\@ovvert . . . 12779, 12780	12444, 12458,
13004, 13672,	\@ovxx 12764,	12468, 12979,
13679, 13680,	12765, 12768,	13257, 13274,
13696, 13706,	12775, 12780,	13290, 13318,
13721, 13728,	12781, 12785, 12786	13332, 13346,
13729, 13745,	\@ovyy . . 12766, 12767,	13364, 16663,
13757, 13796,	12768, 12776, 12782	16877, 23524,
13808, 13842,	\@pagedp . . . 23985, 23995	23898, 23942, 24019
13844, 13855,	\@pageht 9454,	\@parboxto . 23527, 23534
13880, 13883,	9460, 23968, 23975	\@parmoderr
13884, 15829,	\@par 22397	4031, 6986, 7030,
15831, 15833,	\@para@LTRfootgroupv@l	7074, 23876, 23920
16680, 16683,	. . . . . 12244, 12302	\@part 550, 10507
16684, 16714,	\@para@footgroupv@r	\@pboxswfalse 13355, 23510
16739, 16742,	. . . . . 12237, 12295	\@pboxswtrue 23532
16744, 16756,	\@para@footstartv@l	\@pdfm@mark
16780, 16783,	. . . . . 12245, 12303	. . 14766, 14782,
16784, 16814,	\@para@footstartv@r	14816, 14847,
16839, 16842,	. . . . . 12238, 12296	14876, 14951,
16844, 16854,	\@paraLTRfootfmt . .	14956, 14967,
17403, 17406,	. 12372, 12391, 12435	14972, 14983,
17411, 23724,	\@paraLTRfootnotetext	14989, 15000, 15006
23727, 23728,	. 12231, 12289, 12363	\@pdfremotestartview
23742, 23754,	\@paraRTLfootfmt . .	. . . . . 14797
23771, 23774,	. 12384, 12395, 12449	\@phone . . 4215, 9857, 9955
23775, 23789,	\@paraRTLfootnotetext	\@photo 4220,
23799, 23818,	. . . . . 12232, 12375	9830, 9832, 9961, 9963
23820, 23834,	\@parafootfmt	\@photowidth . . . 4219,
23836, 23847, 24076	. 12360, 12387, 12421	4220, 9832, 9928
\@outputdblcol 12926,	\@parafootnotetext	\@pkgextension
23812, 23813, 23814	. 12230, 12287, 12345	5954, 5965, 6029,
\@outputpage . . . 9373,	\@parboxrestore . 42,	6038, 6046, 6049, 6057
9377, 9432, 9436,	56, 72, 245, 259,	\@plus 24,
12836, 12839,	274, 2128, 2145,	103, 223, 510, 527,
12874, 12878,	2162, 2178, 2194,	602, 617, 646, 649,
12954, 12958,	2210, 4082, 6740,	662, 680, 687, 866,
12963, 12974,	7008, 7052, 7096,	873, 876, 889, 906,
13709, 13713,	9035, 10972,	924, 1118, 1129,
13762, 13766,	10983, 10994,	1132, 1145, 1163,
15812, 15824,	11120, 11269,	1171, 4254, 4340,
16762, 16767,	11281, 11294,	6445, 6446, 6447,
16859, 16864,	11375, 11386,	6454, 6455, 6456,



6458, 6459, 7664,	22658, 22662,	\@preamerr
7665, 7666, 7668,	22779, 22963, 23661	. 375, 1402, 1432,
7669, 7735, 8405,	\@pnumwidth . . . 13, 15,	21485, 23639, 23652
8416, 8419, 8432,	208, 210, 513, 514,	\@preamfivefmt 11571,
8448, 8455, 8582,	516, 530, 531, 535,	11577, 11580, 11583
8593, 8596, 8609,	665, 666, 668, 690,	\@preamfntext . 10931,
8625, 8632, 8793,	691, 695, 892, 893,	10945, 10959,
8896, 8911, 10483,	897, 909, 910, 912,	11115, 11223,
10497, 10752,	1148, 1149, 1151,	11233, 11243,
12389, 12393,	1174, 1175, 1179,	11332, 11341,
12397, 12587,	8435, 8436, 8438,	11350, 11435,
12602, 13552,	8458, 8459, 8463,	11445, 11455,
13590, 15038,	8612, 8613, 8615,	11544, 11554,
15058, 16929,	8635, 8636, 8640,	11564, 11653,
16941, 17264,	8899, 8900, 8902,	11663, 11673,
17939, 17968,	8914, 8915, 8919,	11762, 11772,
17971, 17984,	9180, 9185, 9186,	11782, 11871,
18000, 18007,	10486, 10487,	11881, 11891,
18194, 18340,	10491, 10500,	11980, 11990,
18343, 18356,	10501, 10503,	12000, 12089,
18372, 18379,	10754, 10755,	12099, 12109,
18572, 18586,	10757, 12590,	12355, 12367, 12379
18654, 18756,	12591, 12593,	\@preamfourfmt 11462,
18771, 19060,	12605, 12606,	11468, 11471, 11474
19067, 19076,	12610, 15071,	\@preamninefmt 12007,
19139, 19165,	15073, 16949,	12013, 12016, 12019
19210, 19621,	17987, 17988,	\@preamnormalfmt . .
19639, 19657,	17990, 18010,	. . . . . 10903,
19658, 19675,	18011, 18015,	10908, 10914, 10920
19676, 19685,	18359, 18360,	\@preamsevenfmt 11789,
19686, 19695,	18362, 18382,	11795, 11798, 11801
19706, 19800,	18383, 18387,	\@preamsixfmt . 11680,
19807, 19816,	18574, 18575,	11686, 11689, 11692
19879, 19905,	18577, 18589,	\@preamtenfmt . 12116,
19950, 20383,	18590, 18594,	12122, 12125, 12128
20402, 20428,	18759, 18760,	\@preamthreefmt 11356,
20429, 20448,	18762, 18774,	11362, 11365, 11368
20449, 20458,	18775, 18779,	\@preamtwofmt . 11250,
20459, 20468,	21587, 21596,	11256, 11259, 11262
20479, 20573,	21598, 21986,	\@printcites 17826
20580, 20589,	22135, 22136,	\@pstrickserr 17780
20652, 20678,	22148, 22247,	\@ptsize 4118,
20723, 21148,	22248, 22257,	4119, 4120, 4121, 4128
21167, 21193,	22521, 22528,	\@publisher . . . 7827, 7880
21194, 21213,	22870, 22975, 23673	\@publishers . . 19166,
21214, 21223,	\@preamble 393,	19311, 19906,
21224, 21233,	394, 404, 406,	20051, 20679, 20824
21244, 21265,	1438, 1446, 15749,	\@quote 4221,
21531, 21560,	21333, 21335,	9836, 9838, 9965, 9967
21681, 21956,	21342, 21372,	\@quotebox 17825
22124, 22127,	21373, 21381,	\@quotecolour
22131, 22236,	23630, 23632, 23641	. . . 4183, 4200, 4310
22239, 22243,	\@preameightfmt 11898,	\@r@m@msize 21367
22318, 22655,	11904, 11907, 11910	



\@raggedtwoe@abdhook	15033, 17932,	\@sectiontitlecolour	..... 4184, 4201
. 17900, 17905, 17915	18187, 18646, 21641	\@seesize .. 21364, 21367	
\@raggedtwoe@document@opt	\@resumename .. 4153, 4209	\@setcol 12971	
. 17899, 17903, 17921	\@revlabeltrue . 743,	\@setcolbox . 12932, 12968	
\@raggedtwoe@everyselectfont	995, 1245, 8523,	\@setcopyright 112, 15083	
..... 17839,	8700, 18071, 18210	\@setfontsize	
17852, 17865, 17876	\@rightcolumn . 16706,	6444, 6453, 7663,	
\@raggedtwoe@footmisctrue	16711, 16712,	7673, 7674, 7675,	
..... 17902	16721, 16722,	7676, 7677, 7678, 7679	
\@raggedtwoe@gnewline	16730, 16734,	\@setfpsbit	
. 17832, 17845, 17858	16740, 16806,	... 4047, 4050, 4053	
\@raggedtwoe@raggedrightboxes@opt	6811, 16812,	\@setmarks 9340,	
..... 17878,	16821, 16822,	9342, 9372, 9403,	
17897, 17901, 17918	16830, 16834, 16840	9405, 9431, 12817,	
\@raggedtwoe@savde@gnewline@rightskip	... 15882,	12819, 12836,	
..... 17869	17834, 17835,	12853, 12855,	
\@raggedtwoe@savdecr	17847, 17848,	12873, 13686,	
..... 17829,	17860, 17861,	13688, 13708,	
17842, 17855, 17868	17871, 17872, 23575	13735, 13737,	
\@raggedtwoe@spaceskipfalse@rjfieldfalse	... 24003	13761, 16690,	
..... 17875	\@runbordercolor ..	16692, 16761,	
\@raggedtwoe@spaceskiptrue	..... 14822, 14824	16790, 16792,	
. 17838, 17851, 17864	\@runcolor 14838	16858, 23734,	
\@rc@ifdefinable ..	\@s@size 21367	23736, 23758,	
..... 4702, 4959	\@s@bidi@AfterClass	23781, 23783, 23801	
\@regtocline ... 643,	..... 5986,	\@setminipage .. 6742,	
681, 698, 870,	5995, 6007, 6016	13371, 13646, 16665	
900, 925, 1126,	\@s@bidi@AfterPackage	\@setpar 18473,	
1164, 1182, 8413,	..... 6031,	18516, 19026,	
8449, 8467, 8590,	6039, 6050, 6058	19037, 19765,	
8626, 8644, 17965,	\@sarray 21326	19777, 20538, 20550	
18001, 18019,	\@savemarbox 23997	\@settab 8325	
18337, 18373, 18391	\@secondoftwo .. 3301,	\@sevenscol@footgroupv@r	
\@rememsize . 21364, 21367	3307, 3313, 4564,	..... 11750	
\@removefromreset .	4568, 4576, 4580,	\@sevenscolLTRfootfmt	
..... 17283, 17285	4588, 4592, 4598,	. 11776, 11797, 11825	
\@reqcolroom ... 9454,	4606, 4619, 4628,	\@sevenscolLTRfootnotetext	
9455, 9456, 9457,	4637, 4646, 4652,	..... 11745, 11769	
9459, 9460, 9461,	4655, 4666, 4671,	\@sevenscolRTLfootfmt	
9462, 9463, 9464, 9704	4678, 5057, 5067,	. 11786, 11800, 11837	
\@resetactivechars	5068, 5069, 5070,	\@sevenscolRTLfootnotetext	
..... 12977, 24016	5076, 5085, 5091,	..... 11746, 11779	
\@resetdyn@mics .. 12965	5115, 5143, 5171,	\@sevenscolfootfmt .	
\@resetst@tics ... 12964	5223, 5235, 5236,	. 11766, 11794, 11812	
\@restonecolfalse .	5245, 5891, 6019, 6061	\@sevenscolfootnotetext	
... 98, 218, 592,	\@secpenalty 5,	..... 11744, 11759	
608, 857, 1109,	200, 509, 526, 661,	\@sharp 400,	
8396, 8573, 8783,	679, 686, 888,	1440, 1441, 1442,	
15033, 17930,	905, 923, 1144,	1448, 1449, 1450,	
18185, 18644, 21639	1162, 1170, 10482,	14925, 14931,	
\@restonecoltrue ..	10496, 15063,	15741, 21338,	
... 98, 218, 594,	21572, 21704,	21373, 21379, 23636	
610, 859, 1111,	21759, 22123,		
8398, 8575, 8785,	22130, 22235, 22242		



\@sixcol@footgroupv@r 11641	\@subject 19147, 19148, 19310, 19887, 19888, 20050, 20660, 20661, 20823	2233, 2259, 2285, 4375, 4382, 4413, 4414, 4417, 4520, 4521, 4524, 4526, 4528, 4529, 4532, 4534, 4536, 4537, 4540, 4542, 4544, 4545, 4548, 4550, 4716, 4726, 4732, 4744, 4751, 4757, 4770, 4780, 4786, 4798, 4805, 4811, 4824, 4837, 4843, 4861, 4871, 4877, 12763, 13948, 13949, 13950, 13951, 13988, 13991, 13992, 13998, 14009, 14010, 14016, 14021, 14022, 14024, 14027, 14084, 14085, 14086, 14087, 14544, 14548, 14551, 14563, 14582, 14586, 14589, 14601, 15094, 15097, 15148, 15149, 15793, 15794, 15796, 15797, 17286, 17287, 17288, 17291, 17298, 17304, 18118, 18120, 18122, 18126, 18259, 18261, 18263, 18267, 18850, 18851, 18893, 18894, 19025, 19366, 19369, 19764, 20127, 20130, 20537, 20892, 20895, 21445, 21447, 21452, 21454, 22961, 22978, 22982, 22983, 22984, 22993, 23007, 23183, 23186, 23192, 23196, 23210
\@sixcolLTRfootfmt . 11667, 11688, 11716	\@subsectioncolour 4186, 4202	
\@sixcolLTRfootnotetext 11636, 11660	\@subtitle ... 19153, 19306, 19893, 20046, 20666, 20819	
\@sixcolRTLfootfmt . 11677, 11691, 11728	\@tabacol 3960, 15726, 21320, 23436, 23616	
\@sixcolRTLfootnotetext 11637, 11670	\@tabarray . 381, 405, 409, 3962, 15713, 15715, 23431, 23438, 23618, 23644	
\@sixcolfootfmt 11657, 11685, 11703	\@tabclassiv 3962, 15727, 21322, 23438, 23618	
\@sixcolfootnotetext 11635, 11650	\@tabclassz 1443, 3961, 15727, 21321, 23437, 23617	
\@skip@bove . 21358, 21360	\@tabcr 8328, 8338	
\@spaces 21396, 21437, 21442	\@tabminus 8326	
\@spart 10526	\@tabplus 8325	
\@specialpagefalse 12934, 24029	\@tabular 377, 3948, 23614	
\@specialstyle 12935, 24029	\@tabularcr 3962, 15731, 21322, 23438, 23618	
\@stabarray 21322	\@tagsextension 4497, 4500	
\@stabular 21318	\@tarlinesep .. 21360, 21361, 21362, 21363, 21366, 21368	
\@star@or@long . 4697, 4929, 4953, 4964	\@temp@bibkey .. 7197, 7216, 7235, 7263	
\@startcolumn 13771	\@temp@bibkeyx 7202, 7203, 7205, 7206, 7207, 7208, 7221, 7222, 7224, 7225, 7226, 7227, 7240, 7241, 7243, 7244, 7245, 7246, 7272, 7273, 7275, 7276, 7277, 7278	
\@startdblcolumn 9376, 9378, 9435, 9437, 12837, 12839, 12877, 12878, 12961, 12963, 13712, 13714, 13765, 13767, 16765, 16768, 16862, 16865, 23762, 23764, 23805, 23807	\@temp@last@bibkey 7196, 7197, 7203, 7215, 7216, 7222, 7234, 7235, 7241, 7262, 7263, 7273	
\@startfield 8367	\@tempa 123, 126, 133, 134, 135, 136, 790, 792, 794, 798, 1042, 1044, 1046, 1050, 1292, 1294, 1296, 1300,	
\@startpbox 1415, 1416, 1481, 1482, 1483, 9116, 9117, 9118, 15728, 15729, 15735, 21336, 21374, 23633		
\@startsection 23, 15057		
\@starttoc ... 7630, 7638		
\@stopfield 8332, 8347, 8351, 8379, 24003		
\@stopline .. 8351, 24003		
\@stpelt . 5418, 5422, 5424		
\@strip 16874		
\@subjclass 324		
	\@tempb 4413,	



4414, 4416, 4417, 13948, 13949, 13989, 13991, 14019, 14021, 14022, 14024, 14027, 17290, 17291, 17297, 17298, 17303, 17304	\@tempc . 13990, 13992, 13998, 15176, 15181	10024, 10026, 10027, 10031, 10032, 10033, 10034, 10035, 10043, 10047, 10050, 10051, 10052, 10066, 10067, 10068, 10081, 10083, 10084, 10088, 10089, 10090, 10091, 10092, 10098, 10101, 10104, 10105, 10106, 10118, 10119, 10120, 10336, 10337, 10342, 10343, 10344, 10345, 10346, 10461, 10463, 10465, 10484, 10489, 10499, 12224, 12258, 12259, 12260, 12261, 12263, 12272, 12273, 12276, 12277, 12320, 12321, 12322, 12323, 12325, 12334, 12335, 12338, 12339, 12526, 12528, 12589, 12603, 12608, 12775, 12776, 12779, 12780, 13358, 13362, 13883, 13885, 14007, 14009, 14014, 14016, 14017, 14019, 14032, 14037, 14042, 14046, 15066, 15068, 15070, 15072, 15191, 15196, 15212, 15213, 15218, 15723, 15733, 15738, 16709, 16713, 16809, 16813, 16874, 16899, 16922, 16934, 16935,
\@tempboxa 1975, 1976, 1977, 1978, 1979, 6992, 7036, 7080, 9470, 9471, 10048, 10049, 10050, 10051, 10053, 10102, 10103, 10104, 10105, 10107, 11166, 12774, 12778, 12786, 12787, 12912, 12913, 12914, 13360, 13384, 13489, 13534, 13541, 13551, 13554, 13558, 13560, 13566, 13600, 13602, 13608, 13621, 13625, 13626, 13914, 14010, 14027, 14176, 14357, 14359, 15345, 15350, 15354, 15758, 15759, 15762, 16591, 16594, 16598, 16600, 16606, 16608, 16609, 16638, 16639, 16643, 17544, 17545, 17548, 21419, 21439, 22922, 22925, 22930, 22934, 22938, 22942, 22946, 22950, 22954, 22958, 23599, 23600, 23655, 23656, 23657, 23658, 23882, 23926, 24064, 24071, 24072, 24101, 24102, 24106	\@tempcnta 1406, 1465, 1466, 1467, 1469, 1470, 4035, 4041, 4043, 4056, 4057, 4063, 4064, 4390, 4392, 4396, 9103, 9105, 10023, 10080, 15215, 15217, 15220, 15243, 15244, 15252, 17362, 17364, 17365, 17371, 17375, 17388, 17444, 17446, 17450, 17453, 17455, 19218, 19220, 19958, 19960, 20731, 20733, 21432, 22769, 22770, 22771, 22790, 22791, 22792, 22794, 22796, 22878, 22879, 22880, 23957, 23959, 23962, 23964, 23966, 23988	
	\@tempcntb 4061, 4062, 4063, 17363, 17364, 17371, 17375, 17388	
	\@tempdima . 8, 10, 12, 14, 203, 205, 207, 209, 385, 386, 388, 511, 528, 533, 651, 664, 688, 693, 878, 879, 890, 895, 908, 1134, 1147, 1172, 1177, 1460, 1461, 1493, 1494, 1495, 2062, 2805, 2806, 4115, 4117, 7651, 7652, 8421, 8434, 8456, 8461, 8598, 8611, 8633, 8638, 8897, 8912, 8917, 9128, 9129, 9130, 9178, 9183, 9994, 9995, 9996, 9997, 10015, 10016, 10017, 10018,	



16946,	16947,	22887,	22889,	23156,	23157,
17366,	17973,	22890,	22893,	23159,	23162,
17986,	18008,	22896,	22900,	23176,	23177,
18013,	18345,	22907,	22909,	23178,	23182,
18358,	18380,	22968,	22969,	23195,	23199,
18385,	18474,	22982,	22984,	23200,	23526, 23527
18475,	18476,	22992,	22999,	\@tempdimc	9098, 19024,
18517,	18518,	23145,	23146,	19035,	19036,
18519,	18587,	23165,	23176,	19050,	19763,
18592,	18757,	23177,	23178,	19775,	19776,
18772,	18777,	23179,	23191,	19790,	20536,
18895,	18896,	23194,	23200,	20548,	20549, 20563
19027,	19028,	23201,	23523,	\@tempskipa	.....
19030,	19032,	23524,	23666,	...	8357, 8358, 8359
19038,	19039,	23667,	23967,	\@tempswafalse	....
19043,	19045,	23968,	23969,	....	1857, 1858,
19439,	19440,	23970,	23973,	6166,	6213, 10035,
19766,	19767,	23976,	23979,	10092,	13955,
19769,	19771,	23981,	24004, 24005	19176,	19916,
19778,	19779,	\@tempdimb	.... 9097,	20689,	23230, 23273
19783,	19785,	9551,	9571, 9994,	\@tempswatrue	.. 1857,
20200,	20201,	9995,	10015,	6165,	6210, 10029,
20539,	20540,	10016,	10067,	10086,	19172,
20542,	20544,	10069,	10072,	19912,	20685, 23716
20551,	20552,	10119,	10121,	\@temptokena	121, 125,
20556,	20558,	10124,	10339,	15092,	15096, 17430
20965,	20966,	10342,	12274,	\@temp	..... 8259,
21365,	21368,	12275,	12276,	8260,	14622, 14634
21370,	21433,	12336,	12337,	\@tempxi	..... 8262,
21492,	21493,	12338,	12768,	8263,	14653, 14665
21494,	21714,	12769,	12770,	\@tempxii	..... 8265,
21718,	21745,	12771,	12773,	8266,	14684, 14696
21749,	21768,	14008,	14009,	\@tempy	..... 3968, 3969
21772,	21785,	14015,	14016,	\@tempyi	..... 3971, 3972
21789,	21802,	14018,	14019,	\@tempyii	.... 3974, 3975
21806,	21819,	15213,	15214,	\@tencol@footgroupv@r	
21823,	21836,	15216,	16874,	.....	12077
21840,	21853,	16899,	19040,	\@tencolLTRfootfmt	
21857,	21871,	19041,	19043,	..	12103, 12124, 12152
21875,	21890,	19045,	19780,	\@tencolLTRfootnotetext	
21894,	21910,	19781,	19783,	.....	12072, 12096
21914,	21945,	19785,	20553,	\@tencolRTLfootfmt	
21949,	22133,	20554,	20556,	..	12113, 12127, 12164
22139,	22245,	20558,	21365,	\@tencolRTLfootnotetext	
22285,	22289,	21368,	21370,	.....	12073, 12106
22292,	22296,	22787,	22793,	\@tencolfootfmt	...
22299,	22301,	22795,	22800,	..	12093, 12121, 12139
22341,	22344,	22802,	22805,	\@tencolfootnotetext	
22345,	22349,	22809,	22813,	.....	12071, 12086
22786,	22788,	22821,	22823,	\@testopt	..... 4931,
22817,	22820,	22824,	22837,	4949,	15720, 15721
22827,	22830,	22843,	22845,	\@testpach	352, 1377,
22834,	22839,	23148,	23149,	1422,	21458, 23645
22842,	22854,	23151,	23153,		



\@texfileextension	20682, 20701, 12150, 12162,
..... 4499, 4502	20724, 20805, 20815 12357, 12369,
\@textbottom .. 12521,	12381, 12418,
13886, 19060,	12432, 12446,
19067, 19800,	12699, 12702,
19807, 20573, 20580	13223, 13228,
\@textsuperscript .	13232, 13237,
..... 454, 457,	13259, 13276,
744, 806, 808, 996,	13292, 13320,
1060, 1246, 1308,	13334, 13348,
1310, 3748, 3751,	13391, 13396,
7302, 7304, 8524,	13406, 13411,
8701, 8840, 8843,	13447, 13451,
10599, 10602,	13453, 13459,
10696, 10699,	13463, 13465,
12699, 12702,	13471, 13475,
16534, 18072,	13477, 13897,
18134, 18136,	14404, 14415,
18211, 18275,	14426, 14437,
18277, 18471,	14555, 14593,
18478, 18514,	14626, 14657,
18521, 18700, 18703	14688, 14751,
\@texttop .. 12517, 13882	15054, 18072,
\@tfor 4036, 12763	18134, 18136,
\@thanks ... 433, 441,	18211, 18275,
469, 477, 775, 781,	18277, 18471,
820, 826, 1027,	18478, 18514,
1033, 1072, 1078,	18521, 18700, 18703
1277, 1283, 1322,	\@thefoot 12940,
1328, 3753, 3759,	12943, 12947,
8555, 8561, 8732,	24032, 24038,
8738, 8819, 8827,	24046, 24049, 24084
8855, 8863, 10580,	\@thehead 12939,
10586, 10614,	12942, 12946,
10620, 10675,	24032, 24038,
10683, 10711,	24045, 24048, 24068
10719, 12680,	\@themargin ... 12996,
12686, 12714,	14052, 14054,
12720, 13386,	14059, 14061,
13400, 13403,	14065, 14067,
16527, 16550,	24034, 24036,
18103, 18109,	24040, 24042, 24061
18148, 18154,	\@thm 17319, 17340
18242, 18250,	\@thmcountersep 350, 23456
18289, 18297,	\@threecol@footgroupv@r
18492, 18500,	..... 11320
18533, 18541,	\@threecolLTRfootfmt
18679, 18687,	. 11345, 11364, 11391
18715, 18723,	\@threecolLTRfootnotetext
19169, 19188,	..... 11315, 11338
19211, 19292,	\@threecolRTLfootfmt
19302, 19909,	. 11354, 11367, 11402
19928, 19951,	\@threecolRTLfootnotetext
20032, 20042,	..... 11316, 11347



\@threecolfootfmt .	21848, 21866,	16547, 18145,
. 11336, 11361, 11379	21885, 21905,	18286, 18530, 18712
\@threecolfootnotetext	21940, 21991,	\@topsep ... 17333, 17353
..... 11314, 11329	22534, 22541,	\@topsepadd
\@title 320,	22847, 22964, 23662	. 3879, 17334, 17354
423, 444, 480, 494,	\@todonotes@MissingFigureDown	\@totalleftmargin .
753, 755, 783,	..... 23126	.. 13636, 13640,
828, 841, 1005,	\@todonotes@MissingFigureText	13643, 13652,
1007, 1035, 1080,	..... 23103	15234, 15235,
1093, 1255, 1257,	\@todonotes@MissingFigureUp	15256, 15881,
1285, 1330, 1344,	..... 23125	17336, 17337,
1355, 3762, 4151,	\@todonotes@author	17356, 17357,
4212, 7835, 7920,	..... 23036,	17888, 23482,
8533, 8535, 8563,	23047, 23072, 23090	23484, 23490,
8710, 8712, 8740,	\@todonotes@currentfigcolor	23492, 23496,
8809, 8830, 8866,	..... 23107	23498, 23502,
8880, 9946, 10570,	\@todonotes@currentfigheight	23504, 23506,
10589, 10623,	..... 23108	23541, 23543,
10635, 10665,	\@todonotes@currentfigwidth	23544, 23545,
10686, 10722,	..... 23108,	23550, 23552,
10736, 12670,	23110, 23120, 23123	23553, 23554,
12689, 12723,	\@todonotes@drawInlineNote	23559, 23561,
12735, 16528,	..... 23031	23562, 23563,
18081, 18083,	\@todonotes@drawLineToLeftMargin	23568, 23570,
18111, 18156,	..... 23059, 23062	23571, 23572, 24004
18169, 18220,	\@todonotes@drawLineToRightMargin	\@traditionalpoem .
18222, 18252,	..... 23059, 23062	..... 8208, 8300
18299, 18315,	\@todonotes@drawMarginNote	\@trivlist ... 17330,
18326, 18482,	. 23058, 23061, 23065	17350, 19002,
18503, 18544,	\@todonotes@drawMarginNoteWithLine	19741, 20514, 23475
18558, 18669,	..... 23053	\@twocolfootgroupvcr
18690, 18726,	\@todonotes@ifdisabled	..... 11211
18740, 19151,	..... 23132	\@twocolLTrfootfmt
19305, 19891,	\@todonotes@sizecommand	. 11237, 11258, 11286
20045, 20664, 20818	..... 23036,	\@twocolLTrfootnotetext
\@titlecolour . 4181, 4198	23038, 23045,	..... 11206, 11230
\@titlehead	23047, 23049,	\@twocolRTLfootfmt
.. 19140, 19142,	23072, 23074,	. 11247, 11261, 11298
19309, 19880,	23086, 23089,	\@twocolRTLfootnotetext
19882, 20049,	23090, 23092, 23095	..... 11207, 11240
20653, 20655, 20822	\@todonotes@text ..	\@twocolfootfmt ...
\@titlepageiscoverpagefalse	.. 23036, 23038,	. 11227, 11255, 11273
. 19091, 19831, 20604	23047, 23049,	\@twocolfootnotetext
\@tocextra	23072, 23074,	..... 11205, 11220
.. 21665, 21666,	23087, 23093, 23096	\@twosidefalse 6428
21670, 21672, 21675	\@todonotes@textwidth	\@twosidettrue 6423
\@tocline .. 2, 197, 15060	..... 23070	\@typeset@protect .
\@tocpagenum 15, 210, 15073	\@toodeep ... 2327, 23463	..... 3907,
\@tocrmarg ... 16918,	\@topnum ... 111, 314,	3913, 3919, 3934
16930, 16942,	466, 817, 1069,	\@undeclaredcolor .
17914, 21709,	1319, 7913, 8852,	..... 9143,
21740, 21763,	10611, 10708,	9151, 23223, 23224
21780, 21797,	12711, 15082,	\@undefined
21814, 21831,		. 3965, 15725, 16648



\@undottedtocline 16915	21370, 23628,	\@xtitle 320
\@unexpandable@protect	23746, 23795, 23995	\@xxpt 7678
..... 4982, 6325	\@x 8317, 8318	\@xxxii 4062
\@unrecurse . 21355, 21358	\@x@sf 7311, 7316, 7322, 7325	\@xympar
\@uppertitleback ..	\@xLTRfootnote	6998, 7002, 7042,
.. 19175, 19182,	.... 3956, 4078,	7046, 7086, 7090,
19191, 19226,	8158, 8169, 8375,	23888, 23892,
19312, 19915,	8389, 13231, 13234	23932, 23936, 23999
19922, 19931,	\@xLTRfootnotenext	\@yargdef 4951
19966, 20052,	..... 3955,	\@ympar 23996
20688, 20695,	4077, 8157, 8168,	\@ythm 17338, 17358
20704, 20739, 20825	8374, 8388, 13390,	\[..... 8325, 12882
\@urlbordercolor ..	13393, 14423, 21405	\ \ ... 122, 404, 751, 796,
..... 14853, 14855	\@xRTLfootnote	1003, 1048, 1253,
\@urlcolor 14867	.... 3958, 4080,	1298, 2065, 3962,
\@viipt 6453,	8160, 8171, 8377,	4259, 4265, 4412,
7673, 17374, 17387	8391, 13222, 13225	5443, 5459, 5463,
\@viipt 7673, 17374, 17387	\@xRTLfootnotenext	5692, 5694, 5695,
\@viper ... 9379, 9381,	..... 3957,	5696, 5704, 5709,
9383, 9438, 9440,	4079, 8159, 8170,	5710, 5712, 6758,
9442, 9456, 9463,	8376, 8390, 13405,	6759, 6760, 6762,
9707, 9758, 16875,	13408, 14412, 21406	7722, 8091, 8229,
16890, 16892, 16897	\@xaddress 321	8531, 8708, 9834,
\@viperoutput . 9385, 9444	\@xauthor 321	9835, 9838, 9854,
\@vipt 7674	\@xcentercr ... 19430,	9941, 9946, 9953,
\@vpt 7674	19437, 20191,	9963, 9967, 10833,
\@whilenum 15244	20198, 20956, 20963	10837, 10846,
\@whilesw . 9377, 9436,	\@xcolor@ .. 23231, 23274	14256, 14259,
12838, 12878,	\@xcurraddr 322	14272, 14275,
12962, 13713,	\@xemail 322	14375, 14796,
13766, 16766,	\@xepersian@pdfcustomproperties	14811, 14830,
16863, 23763, 23806	..... 3583	15093, 15113,
\@wholewidth	\@xfloat 4011	15117, 15307,
. 12765, 12767, 12785	\@xfootnote 3954,	15308, 15314,
\@width 31, 235,	4076, 8156, 8167,	15315, 15718,
390, 540, 725, 960,	8373, 8387, 14749	15886, 17448,
1205, 1495, 8496,	\@xfootnotemark .. 14434	17460, 17829,
8649, 8925, 9130,	\@xfootnotenext ...	17830, 17842,
9352, 9417, 9649,	.... 3953, 4075,	17843, 17855,
9668, 9976, 10554,	8155, 8166, 8372,	17856, 17868,
10853, 10902,	8386, 14401, 21404	18079, 18124,
12636, 12867,	\@xipt 7676	18218, 18265,
13170, 13172,	\@xipt 7675	19423, 19432,
13614, 13702,	\@xivpt 303, 7677	20184, 20193,
13749, 15051,	\@xmakefntext .. 807,	20949, 20958,
15122, 15740,	1309, 18135, 18276	21322, 21337,
15791, 15903,	\@xnewline ... 19421,	21353, 21354,
16748, 16850,	19428, 20182,	21530, 21559,
16993, 17004,	20189, 20947, 20954	23069, 23076,
17036, 17087,	\@xp 121, 308,	23438, 23575,
18024, 18447,	333, 334, 9044, 15092	23618, 23634, 23644
18603, 18785,	\@xpt 6444	\{ 3824, 16023, 16067
19062, 19802,	\@xstartcol 13789	\} 3825, 16023, 23443
20575, 21331,	\@xthm 17338, 17358	_ ... 3362, 3647, 7204,



7208, 7223, 7227, 7242, 7246, 7274, 7278, 13506, 13508	8431, 8447, 8454, 8608, 8624, 8631, 8895, 8910, 10482, 10496, 10751, 12586, 12601, 15063, 17983, 17999, 18006, 18355, 18371, 18378, 18571, 18585, 18755, 18770, 21572, 21574, 21702, 21704, 21737, 21759, 22123, 22126, 22130, 22235, 22238, 22242	21592, 22318, 22328, 22332, 22336
\] 8326, 12892 \^ 3592, 8108, 8109, 8111, 8112 \` ... 13634, 15878, 17884 \| ... 13513, 13514, 13629		\addvspace 5, 200, 510, 527, 662, 680, 687, 889, 906, 924, 1145, 1163, 1171, 7716, 7773, 8432, 8448, 8609, 8625, 8896, 10483, 10497, 10752, 12587, 15063, 17984, 18000, 18356, 18372, 18572, 18756, 21706, 21760, 22124, 22131, 22236, 22239, 22243, 22273, 22781
Numbers		\adjmc@inner 134 \adjmc@outer 136 \adjmc@page@sosfar@orig 164 \adjmult@cols 163 \adjmulticols 132 \adl@act@classz ... 1498 \adl@act@CT@setup 1456, 1463 \adl@activate . 1373, 1456 \adl@argarraydashrule 1392, 1430 \adl@array ... 1370, 1375 \adl@arraydashrule 1391, 1429 \adl@arrayinit 1372 \adl@arrayrestore . 1367 \adl@arrayrule 1390, 1428 \adl@box . 1413, 1415, 1416 \adl@class@iiiorvii 1419, 1452 \adl@class@start 1418, 1451 \adl@CT@setup 1455, 1458, 1459 \adl@depth 1462 \adl@endarray 1367 \adl@endmbox 1414 \adl@everyvbox 1371, 1372 \adl@extract@arc .. 1467 \adl@extract@dgc .. 1470 \adl@extract@drsc . 1468 \adl@height 1461 \adl@inactivate 1373, 1455 \adl@LT@array 14923 \adl@noalign 1374
\0 3546 \1 ... 15965, 16016, 16068 \9 3546		
A		
\abovecaptionskip 15343, 16587, 16637, 19472, 19476, 19572, 19581, 20233, 20237, 20334, 20343, 20998, 21002, 21099, 21108, 24100	\address 321, 4213 \addresscolour 4182, 9786, 9884, 9890, 9896, 9902, 9908 \addressfont 4191, 4199, 4310, 9824, 9852, 9916, 9950 \addresssymbol 4173, 9854, 9953 \addresstyle 4199 \addtocontents ... 21988 \addtocounter 15236, 15237 \addtoheadtemplate 3252 \AddToHook 5265, 5306, 5346 \addtolength ... 4133, 4134, 4135, 4136, 4137, 4138, 4236, 4237, 4239, 4241, 4242, 4245, 6530, 6533, 6534, 6537, 7688, 9932, 9933, 9934, 10345, 14109, 14110, 15202, 15204, 15206, 15207, 15225, 15227, 15228, 15230, 15231, 15233, 15234, 15235, 15250, 15251, 19028, 19035, 19036, 19039, 19041, 19767, 19775, 19776, 19779, 19781, 20540, 20548, 20549, 20552, 20554, 21591,	
\abovedisplayshortskip ... 6446, 6455, 7665 \abovedisplayskip . 6445, 6448, 6454, 6461, 6495, 7664, 7671 \abstractname 629, 635, 638, 936, 942, 944, 1188, 1194, 1197, 8472, 8660, 17951, 17957, 17960, 18401, 18407, 18410 \Acrobatmenu 14872 \active 8108, 8109, 8111, 8112 \add@strip 16899 \addcontentsline 553, 555, 4256, 6737, 10510, 10512, 15374, 15379, 16660, 21648, 21655, 21672, 23103 \AddExtraParaSkip . . 12216, 12219, 12344 \addfontfeature 4179, 4180, 4181, 4182, 4183, 4184, 4186, 4187 \addpenalty ... 5, 200, 509, 526, 661, 679, 686, 888, 905, 923, 1144, 1162, 1170,		



\adl@org@activate . 1456	10301,	10305,	17791,	17796,
\adl@org@classz ... 1499	10308,	10309,	17799,	17822,
\adl@org@endpbox .. 1457	10310,	10489,	18013,	18040,
\adl@org@inactivate 1455	10542,	10813,	18385,	18434,
\adl@putlrc 1410, 1411,	11197,	11199,	18475,	18518,
1412, 1440, 1441,	12224,	12259,	18592,	18628,
1442, 1448, 1449, 1450	12261,	12266,	18777,	18831,
\adl@startmbox 1413	12270,	12321,	18896,	19005,
\advance 12,	12323,	12328,	19007,	19363,
90, 207, 293, 311,	12332,	12608,	19414,	19742,
386, 533, 577, 693,	12650,	12765,	20124,	20175,
712, 879, 895, 975,	12767,	12769,	20517,	20519,
1177, 1225, 1460,	12775,	12776,	20889,	20940,
1494, 1788, 1789,	12783,	12784,	21283,	21354,
1805, 1819, 1873,	12785,	12955,	21368,	21378,
1875, 1877, 1878,	12956,	13509,	21398,	21493,
1935, 1943, 2092,	13523,	13536,	21531,	21547,
2093, 2328, 2352,	13537,	13569,	21560,	21564,
2373, 2396, 2403,	13574,	13575,	21596,	21597,
2407, 2409, 2413,	13578,	13587,	21617,	21718,
2414, 2696, 2698,	13651,	13778,	21749,	21772,
2805, 2813, 2815,	13779,	13783,	21789,	21806,
2881, 2953, 2954,	13784,	13786,	21823,	21840,
2956, 2957, 2971,	13787,	13790,	21857,	21875,
3546, 3547, 3548,	13791,	13792,	21894,	21914,
3721, 3726, 4043,	13793,	13912,	21949,	21990,
4057, 4063, 4329,	14758,	14768,	22139,	22143,
4373, 4408, 4715,	15024,	15070,	22254,	22289,
4769, 4823, 5553,	15214,	15217,	22292,	22296,
5712, 5718, 5728,	15218,	15252,	22349,	22770,
5783, 5800, 5809,	15733,	15745,	22790,	22795,
6337, 6946, 7652,	15808,	16701,	22845,	22846,
7727, 8078, 8086,	16703,	16730,	22847,	22850,
8087, 8358, 8461,	16731,	16734,	22854,	22879,
8483, 8638, 8671,	16801,	16803,	22890,	22969,
8917, 8980, 9129,	16830,	16831,	22992,	23146,
9137, 9138, 9178,	16834,	16888,	23148,	23158,
9290, 9456, 9457,	16889,	16890,	23177,	23178,
9460, 9463, 9464,	16891,	16900,	23207,	23218,
9514, 9515, 9516,	16922,	16935,	23219,	23465,
9578, 9718, 9719,	16947,	16960,	23478,	23479,
9734, 9753, 9754,	17089,	17090,	23482,	23484,
9984, 9994, 9995,	17095,	17096,	23490,	23492,
10005, 10015,	17099,	17100,	23496,	23498,
10016, 10032,	17331,	17335,	23502,	23504,
10033, 10034,	17336,	17351,	23602,	23603,
10051, 10060,	17355,	17356,	23667,	23693,
10067, 10089,	17364,	17455,	23968,	23969,
10090, 10091,	17477,	17505,	23976,	23977,
10105, 10112,	17512,	17560,	23978, 23979, 24004	
10119, 10266,	17565,	17566,		
10267, 10276,	17567,	17596,	\afterassignment ..	
10277, 10293,	17597,	17623,	3364, 3366, 3649,	
10295, 10299,	17634,	17789,	3651, 4983, 5792,	
			7176, 21428, 21429	



\aftergroup	3861,	12123, 12126, 12129	15078, 15079,
3871, 5995, 5997,		\Alph	15080, 21930, 24167
6007, 6009, 6019,		\alt	\array 407, 23642
6021, 6039, 6041,		\AM@CheckAtEnd . . .	\arraycolsep 407
6050, 6052, 6061,		\AM@ClearShipoutPicture	\arraylinesep 21361
6063, 7160, 7175,		. . . . .	\arrayrulecolor . . . 1467
9141, 9143, 9150,		\AM@currentdocname	\arrayrulewidth . . 21378
9156, 9175, 9467,		. . . . .	\arraystretch 388, 389,
9473, 9476, 12983,		\AM@findfile	3855, 3866, 15738,
12985, 17679,		\AM@output	15739, 21329,
17680, 17683,		\AM@pagecount	21330, 21365,
17688, 17689,		\AM@pageref . 17450, 17453	23451, 23626, 23627
17693, 17698,		\AM@pagestemp	\aslice . 17603, 17604,
17699, 17703,		. . . . .	17606, 17608,
17707, 17711,		. . . . .	17609, 17611,
17715, 19441,		. . . . .	17624, 17625, 17627
19443, 19446,		\AM@readlist	\At@ViperColsBreak
20202, 20204,		\AM@split@options 17429	. . . . . 9481, 9484
20207, 20967,		\AM@temp . . . 17430, 17431	\AtBeginCaption . . 15385
20969, 20972,		\AM@threadname	\AtBeginDocument . .
21565, 22772,		. . . . .	. . . . . 1502, 2052,
23212, 23221,		. . . . .	2592, 2700, 2826,
23223, 23260,		\AM@xrpref	2874, 2994, 3082,
23264, 23317,		. . . . .	3177, 3242, 3256,
23328, 23329,		\and . 448, 484, 762, 788,	3355, 3502, 4148,
23332, 23337,		791, 833, 1014,	4208, 4305, 5300,
23338, 23342,		1040, 1043, 1085,	6390, 6539, 6766,
23347, 23348,		1264, 1290, 1293,	6900, 6905, 6958,
23352, 23357,		1335, 1357, 3766,	7769, 7969, 8034,
23361, 23366,		8542, 8568, 8719,	9863, 9977, 9998,
24014, 24024, 24025		8745, 8834, 8870,	10019, 10449,
\ALG@floatstyle . . .		10593, 10627,	13299, 13901,
. . . 6961, 6962, 6963		10690, 10726,	14373, 15393,
\algocf@float	24167	12693, 12727,	15400, 15483,
\algocf@makecaption 188		16525, 17432,	17900, 21344, 22919
\algocf@within		18090, 18116,	\AtBeginPackage . . 16630
. 166, 168,		18119, 18161,	\AtEndDocument . 3574,
24169, 24170, 24171		18229, 18257,	4312, 5326, 6242,
\alignL	9076	18260, 18304,	8253, 8310, 16008,
\alignR	9083	18328, 18507,	16059, 16077, 23714
\allowbreak		18548, 18694,	\AtEndOfClass 4147
. . . 9990, 10011,		18730, 19074,	\AtPageLowerLeft . 10257
11257, 11260,		19326, 19814,	\AtPageUpperLeft . .
11263, 11363,		20066, 20587, 20839	. . . . . 10257, 10281, 10311
11366, 11369,		\andify	\AtTextUpperLeft . .
11469, 11472,		. . . . . 116, 15087	. . . . . 10261, 10287
11475, 11578,		\andname . . 796, 1048,	\author 321,
11581, 11584,		1298, 18124, 18265	446, 482, 786,
11687, 11690,		\andnext	831, 1038, 1083,
11693, 11796,		. . . . . 16526	1288, 1333, 3764,
11799, 11802,		\AppendToTokenList 5659	7819, 7851, 8566,
11905, 11908,		\arabic	8743, 8832, 8868,
11911, 12014,		. . . . . 19,	10591, 10625,
12017, 12020,		20, 21, 22, 86, 214,	10688, 10724,
		215, 216, 217, 289,	
		329, 12918, 12924,	
		15020, 15077,	



12691, 12725,	7616, 7716, 7773,	11847, 11869,
18114, 18159,	8116, 8177, 8241,	11879, 11889,
18255, 18302,	8247, 8495, 8497,	11915, 11927,
18505, 18546,	8501, 8503, 8648,	11940, 11951,
18692, 18728,	8650, 8654, 8656,	11956, 11978,
19315, 20055, 20828	9291, 9292, 9309,	11988, 11998,
\auto@footnoterule	9313, 9720, 12993,	12024, 12036,
..... 13186, 13197	13524, 15212,	12049, 12060,
\autodot 19330,	15220, 15754,	12065, 12087,
20069, 20842, 22982	15764, 15884,	12097, 12107,
\autofootnoterule .	15901, 17558,	12133, 12145,
3457, 9970, 10896,	17561, 17575,	12158, 12169,
13195, 13893, 24118	17599, 17603,	12174, 12256,
	17608, 17612,	12318, 12353,
	17624, 17635,	12365, 12377,
	17662, 17895,	12408, 12427,
	18023, 18025,	12441, 12459,
	18029, 18031,	12469, 12478, 12487
	18446, 18448,	\BCmd 3860
	18452, 18454,	\BDefaboveskip
	19104, 19844,	... 3875, 3890, 3893
	20617, 21340,	\BDefbelowskip
	21379, 23146,	... 3879, 3891, 3894
	23154, 23158,	\BDefinlineskip ...
	23638, 24058, 24081	... 3884, 3892, 3895
	\baselinestretch ..	\beamer@ttmpop@caption@default
	.... 4163, 7332,	..... 2517
	7350, 7368, 10928,	\beamer@ttmpop@footnote@default
	10942, 10956,	..... 2494
	10970, 10981,	\beamer@biblabeltemplate
	10992, 11221,	..... 2371, 2380
	11231, 11241,	\beamer@boxsize ...
	11267, 11279,	... 2407, 2411, 2413
	11292, 11303,	\beamer@colalign .. 2077
	11308, 11330,	\beamer@colbox@color
	11339, 11348,	... 1859, 1898, 1911
	11373, 11384,	\beamer@colbox@colsep
	11396, 11406,	..... 1876,
	11411, 11433,	1877, 1878, 1879, 1887
	11443, 11453,	\beamer@colbox@colseps
	11479, 11491,	.... 1881, 1888,
	11504, 11515,	1912, 1914, 1916, 1918
	11520, 11542,	\beamer@colbox@dp . 1893
	11552, 11562,	\beamer@colbox@ht . 1892
	11588, 11600,	\beamer@colbox@ls . 1872
	11613, 11624,	\beamer@colbox@rs . 1874
	11629, 11651,	\beamer@colbox@sep
	11661, 11671,	..... 1873,
	11697, 11709,	1875, 1883, 1885
	11722, 11733,	\beamer@colbox@shadow
	11738, 11760,	..... 1897
	11770, 11780,	\beamer@colbox@wd .
	11806, 11818,	... 1870, 1891, 1900
	11831, 11842,	



<code>\beamer@colclose</code> 2073, 2074, 2105, 2106	<code>\beamer@leftmargin</code> 1921, 1934, 2089, 2092, 2806, 2812, 2953, 2956	1920, 1921, 1923, 1971, 1972, 1973, 1974, 1979, 1982, 1993, 1998, 1999, 2007, 2008, 2009, 2010, 2013, 2022, 2027, 2028, 2036, 2037, 2038, 2039, 2959, 2970, 2987, 3207, 3208, 3226, 3227
<code>\beamer@colentrycode</code> ... 2083, 2086, 2104	<code>\beamer@leftsidebar</code> 1935	<code>\beamer@tempdim</code> 1934, 1935, 1937, 1939, 1942, 1943, 1945, 1947, 1972, 1973, 1976, 1977, 2007, 2008, 2036, 2037, 2091, 2092, 2093, 2094, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2880, 2881, 2887, 2895, 2955, 2956, 2957, 2970, 2971, 2972, 2981
<code>\beamer@colexitcode</code> ... 2084, 2096, 2106	<code>\beamer@lefttext</code> 2833, 2900	<code>\beamer@themerounded@shadow</code> 2691
<code>\beamer@colheadskip</code> 2078	<code>\beamer@link</code> 2417	<code>\beamer@thempfn</code> 2229, 2240, 2246, 2255, 2266, 2272, 2281, 2292, 2298
<code>\beamer@colmode</code> ... 2072	<code>\beamer@LTRfootnotetext</code> ... 2279, 2293, 2300	<code>\beamer@typesettheadorfoot</code> ... 2041, 2046, 2056
<code>\beamer@columncom</code> . 2072	<code>\beamer@minislide</code> 2430, 2435	<code>\beamer@usesphere</code> 1689, 1704, 1711
<code>\beamer@compute pref</code> 2307, 2329	<code>\beamer@minislidehighlight</code> 2423	<code>\beamer@vboxoffset</code> 2406
<code>\beamer@cramped</code> 2320, 2346, 2361	<code>\beamer@minisliderowhighlight</code> 2425	<code>\beamer@vmode</code> . 1846, 1884
<code>\beamer@defaulttospec</code> 2326	<code>\beamer@mpfn</code> 2228, 2239, 2245, 2254, 2265, 2271, 2280, 2291, 2297	<code>\beamer@xkvorig</code> 2231, 2237, 2257, 2263, 2283, 2289
<code>\beamer@descdefault</code> 2352, 2360	<code>\beamer@next</code> 2239, 2243, 2250, 2265, 2269, 2276, 2291, 2295, 2302	<code>\beamer@xpos</code> 2396, 2401, 2412
<code>\beamer@descriptionitem</code> 2360	<code>\beamer@putleft</code> 2614, 2647, 2659, 2671	<code>\beamer@ypos</code> 2402, 2403, 2408
<code>\beamer@dogeometryfalse</code> 1930	<code>\beamer@putright</code> 2648, 2660, 2672	<code>\beamer@ypos@offset</code> 2399, 2403
<code>\beamer@enum@</code> 2306	<code>\beamer@rightmargin</code> 1921, 1942, 2013, 2093, 2098, 2806, 2814, 2954, 2957	<code>\beamer@boxesrounded</code> 1749
<code>\beamer@enumtempl</code> . 2315	<code>\beamer@rights sidebar</code> 1943	<code>\beamer@colorbox</code> ... 2586
<code>\beamer@firstlineitemizeunskip</code> 1750, 2322, 2348, 2363	<code>\beamer@RTLfootnotetext</code> ... 2253, 2267, 2274	<code>\beamer@itemnestingprefix</code> 1660, 1661, 2307, 2308, 2310, 2311, 2318, 2319, 2329, 2330, 2332, 2333, 2336, 2340, 2341
<code>\beamer@footarg</code> 2232, 2233, 2234, 2238, 2245, 2258, 2259, 2260, 2264, 2271, 2284, 2285, 2286, 2290, 2297	<code>\beamer@shortinstitute</code> 2715	
<code>\beamer@footins</code> 2120, 2125, 2137, 2142, 2154, 2159	<code>\beamer@sidebarformat</code> 2859	
<code>\beamer@footnotetext</code> ... 2227, 2241, 2248	<code>\beamer@sidebarside</code> 2833, 2875, 2878, 2900	
<code>\beamer@framefootnotetext</code> 2119, 2218	<code>\beamer@sidebarwidth</code> 2805, 2837, 2842, 2843, 2845, 2848, 2849, 2861, 2863, 2872, 2875, 2880, 2898	
<code>\beamer@frameLTRfootnotetext</code> 2153, 2220	<code>\beamer@tempbox</code> 1860, 1891, 1892, 1893, 1901, 1904, 1905, 1907, 1910, 1915,	
<code>\beamer@frameRTLfootnotetext</code> 2136, 2219		
<code>\beamer@ftleft</code> ... 2696		
<code>\beamer@fteright</code> .. 2698		
<code>\beamer@gobbleoptionalinsp</code> 2445		
<code>\beamer@headheight</code> 2798, 2806, 2809, 2810, 2842, 2846, 2849, 2853		
<code>\beamer@kvorig</code> 2230, 2236, 2256, 2262, 2282, 2288		



<code>\beameroriginal</code> . . .	2445	7609, 7616, 7629,	19925, 20115,
<code>\beamertemplatedotitem</code>		7637, 7759, 7764,	20590, 20594,
.....	3254	7897, 7944, 7967,	20654, 20659,
<code>\begin</code>	412,	8342, 8516, 8529,	20671, 20694,
422, 427, 490, 498,		8540, 8693, 8706,	20698, 20880,
736, 749, 760, 839,		8717, 8761, 8773,	21610, 23033,
845, 988, 1001,		8798, 8808, 8813,	23040, 23043,
1012, 1091, 1097,		8876, 8884, 9194,	23054, 23067,
1238, 1251, 1262,		9204, 9217, 9227,	23070, 23077,
1342, 1348, 1357,		9240, 9250, 9263,	23083, 23106,
1359, 1360, 1531,		9273, 9838, 9944,	23110, 23116, 23123
1688, 1724, 1733,		9949, 9967, 10136,	<code>\begin@bidi@stack</code> .
1742, 1769, 1791,		10139, 10143,	.... 4430, 4440,
1817, 1829, 1896,		10145, 10150,	4441, 4454, 4464, 4465
2075, 2077, 2081,		10152, 10156,	<code>\begingroup</code>
2541, 2549, 2556,		10159, 10162,	6,
2564, 2571, 2579,		10166, 10168,	119, 201, 302, 315,
2618, 2625, 2631,		10172, 10174,	379, 391, 452, 512,
2637, 2714, 2717,		10178, 10181,	529, 663, 689, 803,
2720, 2741, 2743,		10184, 10188,	891, 907, 1055,
2748, 2750, 2766,		10190, 10195,	1146, 1173, 1305,
2768, 2772, 2775,		10197, 10368,	1486, 1838, 1839,
2778, 2784, 2832,		10434, 10561,	1970, 2244, 2270,
2861, 2863, 2915,		10569, 10574,	2296, 3746, 3989,
2917, 2922, 2924,		10633, 10639,	3997, 4005, 4384,
2959, 2972, 2973,		10654, 10664,	4412, 4431, 4455,
2979, 3008, 3009,		10669, 10732,	4674, 4699, 5049,
3010, 3027, 3032,		10740, 10832,	5095, 5102, 5132,
3035, 3048, 3054,		12661, 12669,	5148, 5164, 5207,
3056, 3070, 3071,		12674, 12733,	5215, 5248, 5298,
3072, 3096, 3097,		12739, 12885,	5426, 5634, 5636,
3098, 3108, 3111,		14124, 14129,	5666, 5676, 5686,
3117, 3120, 3127,		14147, 14250,	5816, 5889, 5913,
3130, 3144, 3149,		14252, 14266,	5928, 5994, 6005,
3151, 3164, 3165,		14268, 15112,	6017, 6038, 6048,
3166, 3187, 3190,		16675, 17371,	6059, 6209, 6323,
3193, 3199, 3202,		18064, 18077,	6335, 6370, 6739,
3218, 3221, 3236,		18088, 18167,	7158, 7404, 7433,
3854, 3856, 3865,		18173, 18201,	7462, 7836, 7853,
3867, 3870, 4263,		18216, 18227,	7869, 7881, 7914,
4267, 4269, 4271,		18311, 18319,	8218, 8278, 8285,
4273, 4277, 4285,		18328, 18330,	8292, 8322, 8433,
4288, 4323, 4436,		18331, 18461,	8457, 8610, 8634,
4440, 4460, 4464,		18481, 18486,	8838, 8898, 8913,
4491, 5363, 5364,		18562, 18658,	9002, 9121, 9175,
5371, 5397, 6099,		18668, 18673,	9184, 9374, 9433,
6545, 6546, 6559,		18736, 18744,	10262, 10288,
6562, 6636, 6637,		19077, 19081,	10485, 10498,
6643, 6644, 6651,		19141, 19146,	10597, 10694,
6652, 6677, 6678,		19158, 19181,	10753, 12255,
6715, 6718, 6721,		19185, 19354,	12317, 12588,
6724, 6728, 6729,		19817, 19821,	12604, 12697,
6913, 6914, 7532,		19881, 19886,	12837, 12875,
7588, 7595, 7602,		19898, 19921,	12959, 12975,
			13226, 13235,



13394,	13409,	13071,	13903,	24068,	24084,
13483,	13535,	13909,	13918,	24103,	24106, 24114
13568,	13710,	13938,	13954,	\belowcaptionskip .	
13763,	13937,	13964,	14757,	.....	15356,
13953,	14123,	15346,	17475,	16628,	16645,
14402,	14413,	17538,	17673,	19470,	19478,
14424,	14435,	17679,	17695,	19570,	19583,
14533,	14553,	17771,	18943,	20231,	20239,
14591,	14624,	18954,	18961,	20332,	20345,
14655,	14686,	18971,	21495,	20996,	21004,
14920,	14935,	23216,	23221,	21097,	21110, 24108
15064,	15090,	23223,	23317,	\belowdisplayshortskip	
15159,	15189,	23322,	23328,	...	6447, 6456, 7666
15377,	15742,	23344,	23910,	\belowdisplayskip .	
16532,	16662,	23988,	24068, 24084	.....	6448,
16763,	16860,	\beginR		6461,	6496, 7671
17070,	17074,	336, 348, 379, 404,		\bf 3682, 17544, 17546	
17078,	17426,	1472, 2769, 3959,		\bfseries	
17474,	17771,	7020, 7108, 9033,		303, 516, 532, 561,	
17985,	18009,	9107, 9136, 9141,		564, 668, 692, 894,	
18131,	18272,	9150, 9156, 9175,		912, 1151, 1176,	
18357,	18381,	10255,	11190,	3407, 3810, 4280,	
18511,	18573,	11194,	12914,	7896, 8438, 8460,	
18588,	18698,	13905,	13910,	8615, 8637, 8762,	
18758,	18773,	13967,	14006,	8774, 8902, 8916,	
19094,	19240,	14013,	14382,	8948, 8954, 8962,	
19353,	19412,	14390,	14772,	10488,	10503,
19834,	19980,	14808,	14840,	10518,	10521,
20114,	20173,	14869,	14895,	10530,	10757,
20607,	20753,	14901,	14908,	10780,	10786,
20879,	20938,	15105,	15346,	10795,	12593,
21427,	21544,	15758,	15819,	12607,	12618,
21568,	21707,	15822,	15858,	12623,	12631,
22134,	22246,	15949,	15957,	15059,	17990,
22768,	22885,	16148,	16474,	18012,	18362,
23225,	23268,	16638,	16640,	18384,	18558,
23317,	23429,	17548,	17673,	18577,	18591,
23760, 23803, 24014		17680,	17685,	18762,	18776,
\beginL ... 176, 1471,		17767,	17768,	18807,	18812,
1868, 2648, 2660,		17769,	18937,	18820,	22138,
2672, 3399, 3676,		18947,	18958,	22251,	22682,
4310, 7020, 7064,		18965,	19457,	22686,	22691,
9106, 9135, 9141,		20218,	20983,	22720, 22724, 22729	
9143, 9175, 11230,		21319,	21341,	\bgroup	
11282,	11338,	21380,	21502,	172, 379, 394, 399,	
11387,	11442,	23217,	23221,	404, 637, 1196,	
11494,	11551,	23260,	23264,	1472, 1751, 1829,	
11603,	11660,	23317,	23322,	1860, 1869, 2083,	
11712,	11769,	23329,	23334,	2087, 2094, 2309,	
11821,	11878,	23585,	23588,	2331, 2354, 2619,	
11930,	11987,	23591,	23608,	2626, 2632, 2638,	
12039,	12096,	23615,	23640,	2725, 2838, 2885,	
12148,	12778,	23954,	23988,	2892, 2926, 2963,	
12889,	12904,	24005,	24007,	3368, 3653, 3949,	



4071, 8150, 8368, 8382, 9035, 9107, 12889, 12890, 12904, 13360, 13588, 15746, 15748, 15785, 15819, 15822, 15868, 16875, 17486, 17681, 17687, 17691, 17697, 17701, 17706, 17709, 17714, 17959, 18409, 21319, 21327, 21335, 21341, 21372, 21376, 21380, 22877, 23330, 23336, 23340, 23346, 23350, 23356, 23359, 23365, 23429, 23435, 23615, 23624, 23632, 23640	8664, 8665, 8973, 8974, 10806, 10807, 12643, 12644, 18033, 18034, 18427, 18428, 18621, 18622, 18824, 18825 \bibpostamble 17273 \bibpreamble 17256, 19344, 19345, 20104, 20105, 20869, 20870 \bibsection 7747, 7750, 7752, 7753, 16672, 17254, 21607, 21609 \bidi@@convert@dimen@t@pt 4612 \bidi@@convert@dimen@t@unit 4609 \bidi@@diagbox@double@ii 10137, 10141 \bidi@@diagbox@double@iii 10140, 10148 \bidi@@diagbox@triple@setbox@SE@tabular@i .. 10157, 10160, 10164 \bidi@@diagbox@triple@setbox@SE@tabular@ii 10163, 10170 \bidi@@diagbox@triple@setbox@SE@tabular@iii 10179, 10186 \bidi@@diagbox@triple@setbox@SE@tabular@iiii .. 10182, 10185, 10193 \bidi@@end ... 5354, 5358 \bidi@@footnotetext@font 38, 241, 2127, 2176, 7334, 13246, 13253, 13344 \bidi@@loadwithoptions 5908, 5915, 5918, 5922 \bidi@@LTRfootnotetext@font 68, 270, 2161, 2208, 7352, 13247, 13286, 13330 \bidi@@null ... 5526, 5527 \bidi@@onefilewithoptions ... 5930, 5933, 5936 \bidi@@patchcmd 5097, 5099 \bidi@@RTLfootnotetext@font 52, 255, 2144, 2192, 7370, 13248, 13270, 13316 \bidi@@thebibliography@font@chicago 88, 291, 573, 708, 971,	1221, 2369, 4322, 8479, 8667, 8976, 10538, 10809, 12646, 15022, 16674, 17259, 18036, 18430, 18624, 18827, 19357, 20118, 20883, 21613, 23460 \bidi@addto@envbody ... 4426, 4444, 4446 \bidi@addto@long@envbody ... 4450, 4468, 4470 \bidi@AfterAtEndOfClass 5997, 6002 \bidi@AfterAtEndOfPackage 6041, 6045 \bidi@AfterClass .. 5985 \bidi@AfterEndDocument 5343, 5346, 5350, 5356 \bidi@AfterEndDocumentCheckLabelsRerun ... 4363, 5315, 5320 \bidi@AfterEndDocumentchecklabelsrerunhook ... 5315, 5316, 5321 \bidi@AfterEndDocumenthook 5343, 5344, 5351, 5357 \bidi@AfterEndEnvironment 5341, 5410 \bidi@AfterEndPreamble 5303, 5306, 5309, 5311, 5326, 6394, 7910, 7933 \bidi@afterendpreamblehook 5303, 5304, 5310, 5312 \bidi@AfterFile 2679, 2757, 5982, 13442, 19565, 20327, 21092 \bidi@AfterFooter 5282, 24086 \bidi@afterfooterhook .. 5282, 5283, 24087 \bidi@AfterLastShipout ... 5328, 5334, 5340 \bidi@afterlastshipouthook 5328, 5329, 5335, 5341 \bidi@AfterOutputBoxOutputPage .. 5276, 13005, 24077 \bidi@AfterOutputBoxOutputPagehook 5276, 5277, 13006, 24078
\BHFN@OldLTFootnote .. 13416, 13431, 13437 \BHFN@OldRTLFootnote .. 13417, 13434, 13440 \bib@after@hook 19398, 19400, 20159, 20161, 20924, 20926 \bib@before@hook 19348, 19399, 20109, 20160, 20874, 20925 \bib@beginhook 19341, 19347, 20102, 20108, 20867, 20873 \bib@endhook 19402, 20163, 20928 \bib@heading 19343, 20107, 20872 \bibcleanup 17278 \bibentry 7206, 7208, 7225, 7227, 7244, 7246, 7276, 7278 \bibfont 17257 \bibindent ... 4314, 4315 \bibitem@fin 17272 \bibliofont 85, 288, 15019 \bibliographyitemlabel 4316, 4323 \bibname 7752, 7753, 8476, 8477,		



\bidi@AfterOutputPageShipOut	\bidi@beamer@Gm@margin	\bidi@collect@@body
. 5286, 13008, 24090	..... 1960, 2068	..... 4432, 4439
\bidi@afteroutputpageshipout	\bidi@beamer@leftskip	\bidi@collect@body 4427
..... 5286,	1527, 1541, 1545,	\bidi@collect@long@body
5287, 13009, 24091	1563, 1581, 1587,	..... 4456, 4463
\bidi@AfterPackage 6030	1685, 1703, 1710,	\bidi@collect@long@body
\bidi@AfterPreamble	2449, 2470, 2473,	..... 4451
.. 5300, 5301, 15290	2586, 2812, 2813, 2961	\bidi@column@check@number
\bidi@AfterReadingMainAux	\bidi@beamer@ragged	.. 23677, 23693,
..... 6312, 6315	..... 1510,	23695, 23697, 23709
\bidi@append .. 5209, 5259	1726, 1735, 1744,	\bidi@column@status
\bidi@append@cslist@to@cslist	2078, 2321, 2347,	.. 3490, 3494, 23679
..... 5647, 5720	2362, 2381, 2499,	\bidi@column@type .
\bidi@append@list@to@list	2521, 3353, 23370,	. 23694, 23699, 23710
..... 5643, 5729	23380, 23390,	\bidi@copy@stacktop 5705
\bidi@append@to@list	23391, 23539,	\bidi@copyins@amount
..... 5622, 5641	23548, 23557, 23566	.. 13782, 13783,
\bidi@append@toks@cs@to@list	\bidi@beamer@rightskip	13784, 13787,
..... 5651	..... 2457,	13792, 13793, 13805
\bidi@appto 4985,	2586, 2814, 2815, 2962	\bidi@counter@page
5029, 5308, 6352	\bidi@BeforeBeginEnvironment	..... 4377, 4406
\bidi@apptocmd ....	..... 5390, 5398	\bidi@cs@a ... 5528, 5529
.. 5205, 5206, 21523	\bidi@BeforeClass . 5983	\bidi@cs@e 5699, 5700,
\bidi@are@these@correct	\bidi@BeforeClosingMainAux	5702, 5703, 5706, 5708
..... 5619, 5622	.... 6275, 6286,	\bidi@cs@lista
\bidi@AtBeginEnvironment	6290, 6293, 6301, 6304	.... 5672, 5673,
..... 5360, 5372	\bidi@BeforeFile .. 5981	5674, 5675, 5684, 5685
\bidi@AtEndEnvironment	\bidi@BeforeFooter	\bidi@cs@listb 5669, 5671
..... 5376, 5386	..... 5279, 24079	\bidi@cs@liste 5667, 5672
\bidi@AtEndOutputPage	\bidi@beforefooterhook	\bidi@csappto 5029
..... 4407,	.. 5279, 5280, 24080	\bidi@csarg 5455,
5289, 13014, 24096	\bidi@BeforeHeader	5471, 5545, 5552,
\bidi@atendoutputpagehook	. 5270, 12998, 24062	5570, 5575, 5580,
..... 5289,	\bidi@beforeheaderhook	5585, 5591, 5596,
5290, 13015, 24097	..... 5270,	5638, 5639, 5657,
\bidi@AtEndPreamble	5271, 12999, 24063	5663, 5674, 5684,
.... 3551, 5262,	\bidi@BeforeOutputBoxOutputPage	5693, 5703, 5707, 5711
5265, 5294, 5296,	. 5273, 13002, 24074	\bidi@csdefcs 4680
5301, 6392, 7190,	\bidi@beforeoutputboxoutputpagehook	\bidi@csappto 5030, 5033
15359, 17033, 17092	..... 5273,	\bidi@cs@preto 5039, 5042
\bidi@autofootnoterulefalse	5274, 13003, 24075	\bidi@cs@gappto . 5031,
. 13174, 13178, 13181	\bidi@BeforeOutputPageShipOut	5361, 5377, 5391, 5401
\bidi@autofootnoteruletrue	. 5267, 12980, 24020	\bidi@cs@preto 5040
..... 13196	\bidi@beforeoutputpageshipout	\bidi@cslet 4686
\bidi@backslash 5443, 5444	..... 5267,	\bidi@csletcs 4683
\bidi@beamer@blacktriangle	5268, 12981, 24021	\bidi@csname ... 5467,
..... 2476,	\bidi@BeforePackage 6028	5618, 5624, 5669, 5703
2490, 2491, 2492	\bidi@bswitch . 5585, 5587	\bidi@cs@preto 5038
\bidi@beamer@frametitleshead	\bidi@CharsBefore .	\bidi@cs@protect ... 5772
..... 2938, 2983	5500, 5502, 5503,	\bidi@csundef
\bidi@beamer@Gm@lmargin	5508, 5512, 5513, 5518	.... 1520, 1522,
..... 1952,	\bidi@CharsBeforeNC 5501	1524, 1548, 1550,
1979, 1982, 2059	\bidi@clearpage 5337, 5339	1552, 1554, 1556,
		1558, 1560, 1678,



1680, 1682, 1715, 1717, 1719, 2465, 2467, 2484, 2486, 2488, 2532, 2534, 2536, 2583, 2596, 2598, 2600, 2602, 2604, 2606, 2608, 2610, 2708, 2734, 2762, 2790, 2792, 2794, 2796, 2910, 2946, 3000, 3002, 3088, 3090, 3183, 5193	\bidi@empty@stack 5710, 5716 \bidi@empty@toks 5723, 5726, 5730 \bidi@endpreamblehook 5262, 5263, 5295, 5297 \bidi@ensure@new@command 4697, 4698 \bidi@ensure@newcommand 4697, 11006, 11018, 11019, 11020, 11026, 11027, 11031, 11032, 11033, 11034, 11046, 11058, 11080, 11081, 11109, 11110, 11111, 11112, 11115, 11121, 11123, 11148, 11149, 11167, 11182, 11185, 11188, 11193, 11196, 11198, 11202, 11220, 11230, 11240, 11250, 11255, 11258, 11261, 11264, 11276, 11289, 11301, 11306, 11311, 11329, 11338, 11347, 11356, 11361, 11364, 11367, 11370, 11381, 11393, 11404, 11409, 11414, 11432, 11442, 11452, 11462, 11467, 11470, 11473, 11476, 11488, 11501, 11513, 11518, 11523, 11541, 11551, 11561, 11571, 11576, 11579, 11582, 11585, 11597, 11610, 11622, 11627, 11632, 11650, 11660, 11670,	11680, 11685, 11688, 11691, 11694, 11706, 11719, 11731, 11736, 11741, 11759, 11769, 11779, 11789, 11794, 11797, 11800, 11803, 11815, 11828, 11840, 11845, 11850, 11868, 11878, 11888, 11898, 11903, 11906, 11909, 11912, 11924, 11937, 11949, 11954, 11959, 11977, 11987, 11997, 12007, 12012, 12015, 12018, 12021, 12033, 12046, 12058, 12063, 12068, 12086, 12096, 12106, 12116, 12121, 12124, 12127, 12130, 12142, 12155, 12167, 12172, 12177, 12185, 12192, 12196, 12206, 12214, 12227, 12345, 12363, 12375, 12387, 12391, 12395, 12399, 12424, 12438, 12452, 12462, 12472, 12481, 12490, 12502, 12508, 12512, 12523, 12524 \bidi@ensure@newlength . 4704, 11030, 11113 \bidi@epreto 5011, 5024, 5039 \bidi@eqs@a ... 5481, 5482 \bidi@eqs@b ... 5481, 5482 \bidi@EqualString . 5481 \bidi@EqualStringX 5486 \bidi@error 4706, 4957, 5555, 5662, 5831 \bidi@everyjob . 3294,
\bidi@csuse 4972, 5367, 5381, 5394, 5405 \bidi@cswitch . 5580, 5582 \bidi@csxappto 5032, 5034 \bidi@csxpreto 5041, 5043 \bidi@current@column@status . 23679, 23682, 23715 \bidi@dbg@fail 5057, 5067, 5068, 5069, 5070, 5076, 5085, 5091, 5201, 5223, 5235, 5236, 5245 \bidi@dbg@info . 5058, 5060, 5063, 5065, 5066, 5077, 5079, 5081, 5083, 5084, 5086, 5088, 5090, 5199, 5224, 5226, 5228, 5231, 5237, 5239 \bidi@dbg@init . 5055, 5074, 5198, 5221 \bidi@dbg@succ . 5101, 5200, 5232, 5240, 5242 \bidi@dbg@trce . 5048, 5094, 5197, 5206, 5214 \bidi@default 5570, 5575, 5580, 5585, 5591, 5596 \bidi@del@tok@from@list 5666 \bidi@digits ... 3540, 3546, 3547, 3548 \bidi@digits@charclass 3542, 3546, 3547, 3548, 3549 \bidi@dummies 5550, 5552, 5553 \bidi@eappto 4989, 5002, 5030 \bidi@empty 3556, 3557, 5525, 5528, 5529		



3295, 3621, 3622	\bidi@ifhashcheck .	15460, 15461,
\bidi@excludedpackages	... 5062, 5147, 5230	15462, 15463,
6069, 6070, 6090,	\bidi@ifhashcheck@i	15464, 15465,
6126, 6143, 6151,	..... 5151, 5153	15466, 15467,
6161, 6183, 6184,	\bidi@ifhashcheck@ii	15468, 15469,
6192, 6193, 6198, 6211	..... 5155,	15470, 15471,
\bidi@expandonce ..	5158, 5159, 5160	15472, 15473,
4977, 4988, 4992,	\bidi@ifNextChar .. 5536	15474, 15475,
4996, 5000, 5010,	\bidi@ifpatchable .	15476, 15477,
5014, 5018, 5022, 5243	... 5051, 5053, 5100	15478, 15479,
\bidi@ff@box 13022, 13040	\bidi@ifpatchable@i	15480, 15481,
\bidi@firstcolumn@status@write	..... 5051, 5072	15482, 15485,
..... 3488,	\bidi@ifpattern 5064, 5163	15488, 15491,
3496, 9355, 9414,	\bidi@ifscanable 5061,	15494, 15497,
12828, 12864,	5082, 5131, 5229	15500, 15503,
13699, 13752,	\bidi@in@front@of@cslist	15506, 15510,
16751, 16847,	..... 5675, 5676	15513, 15516,
23686, 23749, 23792	\bidi@in@front@of@list	15519, 15522,
\bidi@font@@outputpage	..... 5674	15525, 15528,
. 12988, 24011, 24053	\bidi@info 4708	15531, 15534,
\bidi@footdir@footnote	\bidi@init@mult@footinsv@l	15537, 15540,
.. 79, 282, 2222,	..... 17106, 17120	15543, 15546,
13301, 13303, 13307	\bidi@init@mult@footinsv@r	15549, 15552,
\bidi@fswitch . 5596, 5598	..... 17102, 17118	15555, 15558,
\bidi@gappto	\bidi@invert@csstack	15561, 15564,
4401, 4993, 5031,	..... 5715	15567, 15570,
5262, 5267, 5270,	\bidi@IsEmptyList . 5529	15573, 15576,
5273, 5276, 5279,	\bidi@isloaded	15579, 15582,
5282, 5286, 5289,	... 5123, 15409,	15585, 15588,
5303, 5315, 5328, 5343	15410, 15411,	15591, 15594,
\bidi@gobbleopt 6232, 6241	15412, 15413,	15597, 15600,
\bidi@gpreto .. 5015, 5040	15414, 15415,	15603, 15606,
\bidi@hook@acma 6256,	15416, 15417,	15609, 15612,
6300, 6313, 6314, 6319	15418, 15419,	15615, 15618,
\bidi@hook@bcma 6250,	15420, 15421,	15621, 15624,
6299, 6302, 6303, 6309	15422, 15423,	15627, 15630,
\bidi@hooktocmd ...	15424, 15425,	15633, 15636,
... 5209, 5217, 5219	15426, 15427,	15639, 15642,
\bidi@hooktocmd@i .	15428, 15429,	15645, 15648,
..... 5233, 5247	15430, 15431,	15651, 15654,
\bidi@hop@ES .. 5489, 5491	15432, 15433,	15657, 15660,
\bidi@ifblank@i ...	15434, 15435,	15663, 15666,
... 4652, 4653, 4655	15436, 15437,	15669, 15672,
\bidi@ifdefmacro 4658,	15438, 15439,	15675, 15678,
4660, 4661, 4662	15440, 15441,	15681, 15684,
\bidi@ifdefparam 5176,	15442, 15443,	15687, 15690,
5178, 5179, 5180	15444, 15445,	15693, 15696, 15699
\bidi@ifdefprotected	15446, 15447,	\bidi@lastcolumn@status@write
..... 5185,	15448, 15449,	.... 3492, 3497,
5187, 5188, 5189	15450, 15451,	9359, 9420, 12832,
\bidi@ifEmpty 5528	15452, 15453,	12870, 13705,
\bidi@ifempty 5526	15454, 15455,	13756, 16755,
\bidi@ifEmptyX 5527	15456, 15457,	16853, 23753, 23798
	15458, 15459,	\bidi@leave@mult@copyins



..... 17088, 17180	\bidi@looprepeat@traceexit	\bidi@namegdef
\bidi@leave@mult@footins@vl	..... 5774, 5809	... 4406, 4710, 5413
..... 17098, 17176	\bidi@looprepeat@traceinit	\bidi@namelongdef . 4689
\bidi@leave@mult@footins@vr	..... 5774, 5782	\bidi@namelongedef 4693
..... 17094, 17172	\bidi@looprepeat@zero	\bidi@namelonggdef 4691
\bidi@left@footnoterule	... 5789, 5808, 5846	\bidi@namelongxdef 4695
. 15837, 15843, 15848	\bidi@lst@caption@direction	\bidi@namexdef 5415
\bidi@leftskip ....	..... 15308,	\bidi@new@command .
.. 22139, 22141,	15309, 15321, 15324	..... 4929,
22143, 22144,	\bidi@lst@caption@script	4931, 4960, 4968
22254, 22311,	..... 15315,	\bidi@new@ifnch 4477, 4479
22313, 22349,	15316, 15332, 15335	\bidi@new@ifnextchar
22350, 22382, 23368	\bidi@lst@ensure@caption@direction	..... 4474, 23450
\bidi@length@of@csstack	..... 15319,	\bidi@newcommand ..
... 5711, 5712, 5715	15344, 15346,	..... 4931, 4933
\bidi@length@of@stack	15348, 15367,	\bidi@newrobustcmd
..... 5711, 5725	15371, 15378, 15387	.... 3363, 3365,
\bidi@load@hook 5901,	\bidi@lst@ensure@caption@script	4928, 4929, 4953,
5904, 5937, 5974	. 15330, 15342, 15386	4964, 4985, 4989,
\bidi@loadwithoptions	\bidi@make@mppara@LTRfootgroup	4993, 4997, 5002,
... 5909, 5910, 5915	. 12252, 12314, 12481	5003, 5007, 5011,
\bidi@local@in@front@of@list	\bidi@make@para@footstart@	5015, 5019, 5024,
..... 5679, 5696	. 12243, 12301, 12502	5025, 5029, 5030,
\bidi@local@push@onto	\bidi@make@para@LTRfootgroup	5031, 5032, 5033,
..... 5695	. 12241, 12299, 12462	5034, 5038, 5039,
\bidi@looprepeat@comp	\bidi@makecolbf ...	5040, 5041, 5042,
... 5789, 5825, 5830	..... 12564, 12578	5043, 5047, 5093,
\bidi@looprepeat@csarg	\bidi@matrix@check	5192, 5193, 5205,
..... 5767, 5819	..... 4483, 23445	5213, 5262, 5265,
\bidi@looprepeat@csargromannumeral	\bidi@matrix@error	5267, 5270, 5273,
..... 5769,	..... 4485, 4489	5276, 5279, 5282,
5784, 5785, 5786,	\bidi@mopfn@bottom	5286, 5289, 5300,
5787, 5788, 5791,	..... 11169,	5303, 5306, 5315,
5796, 5797, 5798,	12493, 12529,	5328, 5343, 5346,
5799, 5800, 5802,	12542, 12579, 12580	5360, 5376, 5390,
5808, 5821, 5823,	\bidi@mopfootnotebf	5400, 23418, 23420
5824, 5825, 5832,	..... 12538, 12572	\bidi@next
5833, 5835, 5840, 5848	\bidi@mopfootnoterule	5502, 5503, 5505,
\bidi@looprepeat@csromannumeral	2171, 2187, 2203,	5507, 5508, 5510,
.... 5768, 5792,	13078, 13312,	5515, 5517, 5518, 5520
5800, 5803, 5819, 5847	13326, 13340,	\bidi@NextChar 5533
\bidi@looprepeat@depth	13378, 15923, 21521	\bidi@normal@footmarkwidth
..... 5768,	\bidi@mswitch . 5591, 5593	..... 11015,
5769, 5771, 5783, 5809	\bidi@multicol@align@columns	11073, 11079,
\bidi@looprepeat@dxbody	..... 16975,	11218, 11327,
..... 5792, 5796	17026, 17029, 17031	11430, 11539,
\bidi@looprepeat@setup	\bidi@n@everypar ..	11648, 11757,
..... 5789, 5815	.. 17675, 17676,	11866, 11975,
\bidi@looprepeat@sign	17677, 17678,	12084, 12279, 12341
... 5789, 5800, 5830	23139, 23324,	\bidi@notblank . 4654,
\bidi@looprepeat@tmp	23325, 23326, 23327	4662, 5180, 5189
5790, 5791, 5818,	\bidi@namedef 5412	\bidi@nxt@a
5820, 5823, 5828,	\bidi@nameedef 5414	... 5534, 5537, 5539
5835, 5838, 5840, 5843		



\bidi@nxt@b	\bidi@patch@Add 6351, 6380	\bidi@pdfencrypt@ownerpassword
... 5534, 5537, 5540	\bidi@patch@AfterPackage	... 3413, 3556, 3568
\bidi@nxt@c . . . . .	.... 6354, 7302,	\bidi@pdfencrypt@permissionflags
... 5535, 5538, 5539	7304, 7307, 7328,	..... 3419, 3570
\bidi@nxt@ch	7479, 7529, 7585, 7829	\bidi@pdfencrypt@userpassword
... 5534, 5537, 5539	\bidi@patch@counter	... 3410, 3557, 3567
\bidi@o@everypar ..	.... 6332, 6336,	\bidi@pdfm@mark 3694, 3709
..... 17674,	6339, 6345, 6346, 6365	\bidi@pickescape .. 5476
17676, 17677,	\bidi@patch@gtemp .	\bidi@pop@cs@into .
23323, 23325, 23326	..... 6372, 6379	..... 5699, 5718
\bidi@oldwbuskip ..	\bidi@patch@list 6350,	\bidi@pop@into 5702, 5728
..... 5661, 5664	6352, 6390, 6392, 6399	\bidi@pos . 4710, 4718,
\bidi@onefilewithoptions	\bidi@patch@OrgIfClassLater	4746, 4772, 4800,
... 5925, 5926, 5930	..... 6398, 6403	4826, 4829, 4863, 4866
\bidi@orig@leftline	\bidi@patch@OrgIfClassLoaded	\bidi@poscount . 4712,
. 23593, 23595, 23596	..... 6397, 6402	4715, 4718, 4735,
\bidi@orig@raggedleft	\bidi@patch@OrgIfPackageLater	4737, 4746, 4760,
. 23578, 23580, 23581	..... 6396, 6401	4762, 4769, 4772,
\bidi@orig@raggedright	\bidi@patch@OrgIfPackageLoaded	4789, 4791, 4800,
. 23579, 23580, 23581	..... 6395, 6400	4814, 4816, 4823,
\bidi@orig@rightline	\bidi@patch@stepcounter	4826, 4829, 4846,
. 23594, 23595, 23596	... 6334, 6344, 6363	4848, 4852, 4854,
\bidi@oswitch 5575	\bidi@patch@temp ..	4863, 4866, 4880,
\bidi@p@ftn 3903, 3966,	..... 6362, 6366	4882, 4886, 4888,
3968, 3969, 3971,	\bidi@patch@try 6381, 6384	4895, 4897, 4898,
3972, 3974, 3975,	\bidi@patchcmd	4900, 4901, 4904,
3979, 3982, 3985, 4090	..... 171, 179,	4905, 4912, 4914, 4915
\bidi@p@ftntext ...	188, 338, 1838,	\bidi@prepend . 5217, 5260
... 3950, 3967, 4072	5093, 5094, 5318,	\bidi@prepend@cslist@to@cslist
\bidi@p@LTRftntext	5331, 5348, 5365,	..... 5649
... 3951, 3970, 4073	5379, 5403, 6623,	\bidi@prepend@list@to@list
\bidi@p@RTLftntext	10135, 10138,	..... 5645
... 3952, 3973, 4074	10155, 10158,	\bidi@prepend@to@list
\bidi@p@xfootnote .	10161, 10177,	..... 5642
... 3954, 3988, 4076	10180, 10183,	\bidi@prepend@toks@cs@to@list
\bidi@p@xftntext 3953,	10201, 10209,	..... 5652
3978, 3993, 4075	10217, 10226,	\bidi@preto
\bidi@p@xLTRfootnote	10235, 10244,	... 5007, 5038, 5292
... 3956, 3996, 4078	14050, 14950,	\bidi@pretocmd . 5213,
\bidi@p@xLTRftntext	14958, 14966,	5214, 5393, 5435
..... 3955,	14974, 14982,	\bidi@PreventPackageFromLoading
3981, 4001, 4077	14991, 14999,	..... 6072,
\bidi@p@xRTLfootnote	15008, 15266,	6086, 6116, 6149
... 3958, 4004, 4080	15272, 15280,	\bidi@process@envbody
\bidi@p@xRTLftntext	15360, 15373,	..... 4429,
..... 3957,	15829, 17114,	4433, 4434, 4448,
3984, 4009, 4079	17123, 17144,	4453, 4457, 4458, 4472
\bidi@page@count 4344,	17151, 17158,	\bidi@protected ...
4345, 4379, 4408	17166, 17417,	.... 4980, 5002,
\bidi@paraskip 12263,	21510, 21518, 23816	5003, 5024, 5025,
12266, 12270,	\bidi@patchcmd@scantoks	5033, 5034, 5042, 5043
12325, 12328, 12332	... 5111, 5117, 5255	\bidi@protected@cs@appto
\bidi@patch@@AfterPackage	\bidi@pdfencrypt@keylength	..... 5033
..... 6364, 6369	..... 3416, 3569	



\bidi@protected@csepreto 5042	\bidi@reflect@box . .. 17752, 17759, 23412, 23419, 23421	\bidi@s@tfftextcol 13019, 13023
\bidi@protected@csxappto 5034	\bidi@reinsert@footnotesv@l .. 17112, 17121, 17149, 17156, 17163	\bidi@s@saved@checkend ... 6243, 6246, 6264
\bidi@protected@csxpreto 5043	\bidi@reinsert@footnotesv@r .. 17110, 17119, 17148, 17155, 17162	\bidi@s@saved@clearpage ... 6248, 6249, 6252
\bidi@protected@eappto 5002	\bidi@renew@command @write ... 4953, 4955, 4969	\bidi@s@saved@odofilelist 6254, 6257, 6258, 6265
\bidi@protected@epreto 5024	\bidi@renew@robustcmd 4953	\bidi@s@saved@eqno 17763, 17765, 17766, 24109, 24111, 24112
\bidi@protected@immediate@write ... 6305, 6316, 6322	\bidi@replace@class 5956	\bidi@s@saved@leqno 17764, 17765, 17766, 24110, 24111, 24112
\bidi@protected@xappto 5003	\bidi@replace@file@msg 5893, 5917, 5932, 5970	\bidi@s@saved@newpage 6267, 6278
\bidi@protected@xpreto 5025	\bidi@replace@input 5940	\bidi@s@saved@RequirePackage 6071, 6091, 6102, 6154, 6156, 6234
\bidi@provide@command 4964, 4966	\bidi@replace@package 5953	\bidi@s@saved@RequirePackage 6071, 6091, 6102, 6154, 6156, 6234
\bidi@provider@robustcmd 4964	\bidi@require@package ... 6092, 6152, 6203	\bidi@s@saved@RequirePackage 6071, 6091, 6102, 6154, 6156, 6234
\bidi@push@begins 4436, 4437, 4440	\bidi@reset@prevent@package@from@loading@charclass 6144, 6150, 6159, 6198	\bidi@s@saved@RequirePackage 6071, 6091, 6102, 6154, 6156, 6234
\bidi@push@cs@onto@cs 5692, 5719	\bidi@res@rlda 5103, 5104, 5105, 5108, 5109, 5110, 5111, 5112, 5113, 5118, 5121, 5133, 5134, 5135, 5136, 5137, 5139, 5140, 5149, 5151, 5165, 5166, 5168, 5170, 5171, 5249, 5250, 5251, 5252, 5253, 5254, 5255, 5256, 5257	\bidi@s@saved@RequirePackage 6071, 6091, 6102, 6154, 6156, 6234
\bidi@push@long@begins ... 4460, 4461, 4464	\bidi@res@rvdb . 5105, 5106	\bidi@s@set@column@status . 23681, 23709, 23714
\bidi@push@onto ... 5693	\bidi@restore@newpage ... 6251, 6268, 6298	\bidi@s@set@cslist 5685, 5686
\bidi@push@onto@cs 5693, 5694	\bidi@restore@catcode 5460	\bidi@s@set@list 5684
\bidi@ragged@left 4257, 4264, 4269, 4288, 9834, 9950, 12796, 12802, 14166, 23583	\bidi@right@footnoterule . 15838, 15841, 15850	\bidi@s@set@load@hook 5978, 5981, 5982, 5984, 6003, 6015, 6029, 6046, 6057
\bidi@ragged@right . .. 12794, 12800, 17188, 17191, 17193, 17196, 17198, 17200, 17203, 17205, 17207, 17209, 17212, 17214, 17216, 17218, 17220, 17223, 17225, 17228, 17230, 17233, 17235, 17237, 17240, 17242, 17244, 17247, 17249, 17251, 23582	\bidi@right@skip 22135, 22247, 22315, 22316, 22328, 22332, 22336, 23369	\bidi@s@SOUL@culleaders 21300, 21306
\bidi@rcol@copyin@skip 13662, 13667, 13676, 13725	\bidi@RTL@everypar .. 12352, 12364, 12376, 12407, 12426, 12440, 17673, 17677, 21259, 23322, 23326	\bidi@s@stack@length 5710, 5712, 5713, 5717, 5718, 5727, 5728
\bidi@redefine@newpage 6266, 6306		\bidi@s@star@footmarkwidth .. 11015, 11076, 11218, 11327, 11430, 11539, 11648, 11757, 11866, 11975, 12084, 12279, 12341



\bidi@switch@exit .	\bidi@UnReplaceClass	\bidipoem@hvlen 8073,
5569, 5570, 5571,	..... 5967	8078, 8080, 8091, 8093
5575, 5576, 5580,	\bidi@UnReplaceInput	\bidipoem@hvsep 8073,
5581, 5585, 5586,	..... 5944	8086, 8087, 8094
5591, 5592, 5596, 5597	\bidi@UnReplacePackage	\bidipoem@next 8079, 8080
\bidi@t@w@w 5620	..... 5964	\bidipoem@openbox .
\bidi@tabular@RTLcases	\bidi@version .. 3263,	..... 8118, 8123
..... 23425, 23452	3264, 3279, 3296,	\bidipoem@p@ftn 8125,
\bidi@tempa	3298, 3304, 3310,	8135, 8259, 8260,
3425, 3431, 3437,	3344, 3347, 3350,	8262, 8263, 8265,
3443, 3449, 3455,	3590, 3606, 3626,	8266, 8269, 8272,
3467, 3473, 3479,	3628, 3685, 3688, 3691	8275, 8380, 14623,
3486, 3500, 3507, 3517	\bidi@w@w 5607	14633, 14654,
\bidi@tempb 3425,	\bidi@warning .. 4707,	14664, 14685, 14695
3426, 3431, 3432,	5370, 5384, 5396, 5408	\bidipoem@p@ftntext
3437, 3438, 3443,	\bidi@willbeunhskip	8152, 8163, 8258,
3444, 3449, 3450,	... 5654, 5661, 5664	8369, 8383, 14621
3455, 3456, 3467,	\bidi@x@stack@to@list	\bidipoem@p@LTRftntext
3468, 3473, 3474,	..... 5725	8153, 8164, 8261,
3479, 3480, 3486,	\bidi@xappto	8370, 8384, 14652
3487, 3500, 3501,	... 4997, 5003, 5032	\bidipoem@p@RTLftntext
3507, 3508, 3517, 3518	\bidi@xargdef . 4935, 4943	8154, 8165, 8264,
\bidi@tempcountb 5447,	\bidi@xparaskip 12224,	8371, 8385, 14683
5716, 5717, 5726, 5727	12262, 12324, 12343	\bidipoem@p@xfootnote
\bidi@temptoksa 5448,	\bidi@xpreto .....	..... 8156,
5716, 5719, 5720,	... 5019, 5025, 5041	8167, 8277, 8373, 8387
5721, 5723, 5726, 5730	\bidicolor 9101,	\bidipoem@p@xftntext
\bidi@temptoksb 5449,	9157, 9172, 9174,	.... 8155, 8166,
5718, 5719, 5720, 5721	13020, 23265,	8268, 8282, 8372, 8386
\bidi@todonotes@tempa	23312, 23315, 23316	\bidipoem@p@xLTRfootnote
..... 23015, 23023	\bidics 5444	..... 8158,
\bidi@todonotes@tempb	\bididate . 3262, 3264,	8169, 8284, 8375, 8389
..... 23015,	3279, 3344, 3347,	\bidipoem@p@xLTRftntext
23016, 23023, 23024	3588, 3606, 3685, 3688	.... 8157, 8168,
\bidi@tok@SM .. 5667, 5672	\bidi@Gscale@@box ..	8271, 8289, 8374, 8388
\bidi@toks@lista ..	..... 13986, 13987	\bidipoem@p@xRTLfootnote
5632, 5634, 5635,	\bidi@Gscale@box ...	..... 8160,
5636, 5637, 5668,	. 13963, 13964, 13983	8171, 8291, 8377, 8391
5670, 5676, 5677,	\bidi@Gscale@box@dd	\bidipoem@p@xRTLftntext
5679, 5681, 5686, 5687	. 13995, 13999, 14005	.... 8159, 8170,
\bidi@toks@listb ..	\bidi@Gscale@box@dddd	8274, 8296, 8376, 8390
... 5632, 5668, 5670	..... 14001, 14012	\bidipoem@set@@verse
\bidi@undef 2494, 2517,	\bidillap 23598	... 8080, 8083, 8085
5113, 5192, 5257,	\bidipdfinfooff ... 3706	\bidipoem@set@verseI
5297, 5312, 21994,	\bidipdfinfoon 3705, 3711	..... 8079, 8082
21995, 22155,	\bidipoem@@hvlen 8074,	\bidipoem@spreadbox
22156, 22405, 22406	8080, 8083, 8086, 8095	..... 8069,
\bidi@undefined 5192, 5194	\bidipoem@half@verses	8091, 8093, 8094, 8095
\bidi@undefinedcs .	... 8100, 8101, 8104	\bidirlap 23597
5545, 5552, 5607,	\bidipoem@half@verses@next	..... 6411,
5611, 5617, 5621, 5662	... 8100, 8101, 8102	6499, 6503, 6798, 6847
\bidi@UnPreventPackageFromLoading	\bidipoem@hvind ...	\bidituftefloatError
..... 6164	8074, 8077, 8078,	..... 6410, 6893
	8086, 8087, 8090, 8093	



\bidituftefloatInfoNL	16272, 16297,	15819, 15829,
... 6411, 6412, 6962	16304, 16310,	15831, 15833,
\bidituftefloatRecalculate	16316, 16326,	16167, 16425,
..... 6528, 6539	16333, 16355,	16436, 16441,
\bidituftehyperrefLoadHyperref	16467, 16470,	16475, 16476,
..... 7787, 7798	16478, 16479,	16477, 16478,
\bidituftesidenotemarginpar	17399, 17401, 17410	16480, 16609,
... 6978, 7330, 7489	\boolean	16643, 16752,
\bidituftetocError	6411, 6471, 6473,	16756, 16848,
... 7518, 7565, 7574	6476, 6480, 6483,	16854, 16991,
\bidiversion .. 3296, 3623	6486, 6511, 6607,	16997, 17012,
\bigskip	6622, 6633, 6653,	17020, 17398,
17814	6660, 6668, 6685,	17406, 17411,
\bigskipamount 11176,	6705, 6709, 6727,	17548, 17552,
11181, 12264,	6728, 6731, 6732,	17568, 17602,
12268, 12326, 12330	6767, 6776, 6787,	17606, 17611,
\bl	7532, 7536, 7584,	17615, 17627,
17579, 17580,	7797, 7934, 8003,	17638, 17652,
17583, 17584,	8014, 13034, 17432	17655, 17659,
17585, 17589,		17664, 17740,
17644, 17651, 17655	\botmark ... 13013, 24095	17756, 17801,
\blacktriangleleft	\box .. 1783, 1901, 1905,	17804, 18868,
. 2478, 13504, 13506	1907, 1915, 1921,	18877, 18915,
\blacktriangleright	1923, 1973, 1977,	18926, 21502,
. 2480, 13504, 13506	1979, 1999, 2008,	21548, 21566,
\bm@b	2010, 2028, 2037,	23209, 23210,
23658	2039, 2987, 3400,	23220, 23416,
\bm@l	3677, 6948, 9008,	23600, 23750,
23655	9072, 9140, 9297,	23754, 23793,
\bm@r	9300, 9317, 9321,	23799, 23818,
23656	9356, 9360, 9366,	23834, 23966,
\bm@t	9367, 9415, 9421,	23982, 23993,
23657	9425, 9426, 9652,	24006, 24008,
\bmb@box .. 1768, 1773,	9657, 9664, 9671,	24072, 24076, 24106
1774, 1775, 1778,	9707, 9991, 10012,	\boxdef
1779, 1783, 1784,	10028, 10085,	3852,
1785, 1791, 1792,	11188, 11193,	3854, 3860, 3865, 3870
1804, 1810, 1814, 1829	12189, 12203,	\boxmaxdepth ... 9983,
\bmb@colorbox	12212, 12555,	9988, 10004,
1828	12566, 12829,	10009, 10036,
\bmb@dima . 1788, 1801,	12833, 12865,	10093, 11083,
1804, 1805, 1806,	12871, 12914,	12525, 12540,
1807, 1818, 1819, 1820	13004, 13037,	12761, 13555,
\bmb@dimb	13042, 13602,	13557, 13881,
1789,	13609, 13612,	23821, 23837, 23848
1802, 1803, 1806	13626, 13700,	\br
\bmb@lower ... 1755, 1831	13706, 13753,	17579, 17581,
\bmb@prevheight 1776, 1785	13757, 13796,	17583, 17584,
\bmb@temp	13808, 13819,	17585, 17589,
1779,	13829, 13842,	17645, 17651, 17659
1780, 1781, 1783,	13914, 13931,	\BR@b@bibitem . 7183, 7184
1787, 1788, 1789, 1799	13934, 13977,	\BR@bibitem ... 7186, 7187
\bmb@upper ... 1760, 1770	13980, 14010,	\BR@c@bibitem
\bmb@width 1769, 1778,	14027, 15354,	7188
1787, 1817, 1818, 1829	15762, 15813,	\bracetext
\bool ... 15949, 15957,		3367, 3652, 17679,
16088, 16105,		17680, 23328, 23329
16106, 16150,		
16156, 16171,		
16194, 16197,		
16217, 16222,		
16234, 16251,		
16252, 16255,		



<code>\break</code> 15719	<code>\bx@LL</code> 6859, 6888	16741, 16771,
<code>\BreakBibliography</code>	<code>\bx@M</code> 6835, 6876	16796, 16814,
. 19350,	<code>\bx@m</code> 6819, 6841, 6882	16819, 16841, 16868
19383, 19385,	<code>\bx@MM</code> 6860, 6888	<code>\c@algocf</code> 168
19391, 20111,	<code>\bx@N</code> 6835, 6876	<code>\c@chapter</code> 8510,
20144, 20146,	<code>\bx@n</code> 6820, 6841, 6882	8512, 8514, 8687,
20152, 20876,	<code>\bx@NN</code> 6861, 6888	8689, 8691, 8932,
20909, 20911, 20917	<code>\bx@O</code> 6836, 6877	8934, 8936, 8937,
<code>\breaklooprepeat</code> 5753,	<code>\bx@o</code> 6821, 6842, 6883	10764, 10766,
5755, 5807, 5808,	<code>\bx@OO</code> 6862, 6889	10768, 10769,
5826, 5837, 5842, 5856	<code>\bx@P</code> 6836, 6877	12754, 12756,
<code>\breakrepeatloop</code> . . 5782	<code>\bx@p</code> 6822, 6842, 6883	12758, 13046,
<code>\bs</code> 3820, 3821, 3823	<code>\bx@PP</code> 6863, 6889	13048, 13050,
<code>\bslice</code> 17599,	<code>\bx@Q</code> 6836, 6877	13051, 13059,
17600, 17602,	<code>\bx@q</code> 6823, 6842, 6883	13061, 13063,
17612, 17613,	<code>\bx@QQ</code> 6864, 6889	13064, 15404,
17615, 17635,	<code>\bx@R</code> 6836, 6877	16571, 17301,
17636, 17638,	<code>\bx@r</code> 6824, 6842, 6883	18056, 18058,
17662, 17663, 17664	<code>\bx@RR</code> 6865, 6889	18060, 18421,
<code>\bx@A</code> 6833, 6874	<code>\bx@S</code> 6797, 6799, 6837, 6878	18423, 18425,
<code>\bx@a</code> 6807, 6839, 6880	<code>\bx@s</code> 6825, 6843, 6884	18610, 18612,
<code>\bx@AA</code> 6846, 6848, 6886	<code>\bx@SS</code> 6866, 6890	18614, 18792,
<code>\bx@B</code> 6833, 6874	<code>\bx@T</code> 6800, 6837, 6878	18794, 18796, 18797
<code>\bx@b</code> 6808, 6839, 6880	<code>\bx@t</code> 6826, 6843, 6884	<code>\c@colht</code> 16696,
<code>\bx@BB</code> 6849, 6886	<code>\bx@TT</code> 6867, 6890	16708, 16734,
<code>\bx@C</code> 6833, 6874	<code>\bx@U</code> 6801, 6837, 6878	16735, 16796,
<code>\bx@c</code> 6809, 6839, 6880	<code>\bx@u</code> 6827, 6843, 6884	16808, 16834, 16835
<code>\bx@CC</code> 6850, 6886	<code>\bx@UU</code> 6868, 6890	<code>\c@curpg</code>
<code>\bx@D</code> 6833, 6874	<code>\bx@V</code> 6802, 6837, 6878	. 12928, 12955, 12956
<code>\bx@d</code> 6810, 6839, 6880	<code>\bx@v</code> 6828, 6843, 6884	<code>\c@DFNsloppiness</code> . .
<code>\bx@DD</code> 6851, 6886	<code>\bx@VV</code> 6869, 6890	. . . . . 9981, 10002
<code>\bx@E</code> 6833, 6874	<code>\bx@W</code> 6803, 6838, 6879	<code>\c@enumiv</code> 574,
<code>\bx@e</code> 6811, 6839, 6880	<code>\bx@w</code> 6829, 6844, 6885	581, 709, 716, 972,
<code>\bx@EE</code> 6852, 6886	<code>\bx@WW</code> 6870, 6891	979, 1222, 1229,
<code>\bx@F</code> 6834, 6875	<code>\bx@X</code> 6804, 6838, 6879	2370, 2379, 4333,
<code>\bx@f</code> 6812, 6840, 6881	<code>\bx@x</code> 6830, 6844, 6885	8480, 8487, 8668,
<code>\bx@FF</code> 6853, 6887	<code>\bx@XX</code> 6871, 6891	8675, 8977, 8984,
<code>\bx@G</code> 6834, 6875	<code>\bx@Y</code> 6805, 6838, 6879	10539, 10546,
<code>\bx@g</code> 6813, 6840, 6881	<code>\bx@y</code> 6831, 6844, 6885	10810, 10817,
<code>\bx@GG</code> 6854, 6887	<code>\bx@YY</code> 6872, 6891	12647, 12654,
<code>\bx@H</code> 6834, 6875	<code>\bx@Z</code> 6806, 6838, 6879	18037, 18044,
<code>\bx@h</code> 6814, 6840, 6881	<code>\bx@z</code> 6832, 6844, 6885	18431, 18438,
<code>\bx@HH</code> 6855, 6887	<code>\bx@ZZ</code> 6873, 6891	18625, 18632,
<code>\bx@I</code> 6834, 6875	<code>\bye</code> 3709	18828, 18835,
<code>\bx@i</code> 6815, 6840, 6881	<code>\bystep</code> 5735,	19359, 19368,
<code>\bx@II</code> 6856, 6887	5747, 5831, 5844,	19375, 20120,
<code>\bx@J</code> 6834, 6875	5854, 5867, 5880, 5881	20129, 20136,
<code>\bx@j</code> 6816, 6840, 6881		20885, 20894,
<code>\bx@JJ</code> 6857, 6887		20901, 21614, 21621
<code>\bx@K</code> 6835, 6876		<code>\c@equation</code>
<code>\bx@k</code> 6817, 6841, 6882		8510, 8687, 8932,
<code>\bx@KK</code> 6858, 6888		10378, 10447,
<code>\bx@L</code> 6835, 6876		10764, 12754,
<code>\bx@l</code> 6818, 6841, 6882		13046, 13059,
	C	
	<code>\c</code> 16151, 16152,	
	16166, 16428, 16509	
	<code>\c@abspage</code> 13109	
	<code>\c@addvipersep</code> 16696,	
	16714, 16719,	



16571, 18056,	13068, 16566,	\c@thisframe
18425, 18610,	18053, 18418,	.. 12927, 12932,
18792, 20098, 20863	18618, 18801,	12968, 12970, 12971
\c@figure	19335, 20082, 20851	\c@tocdepth 3,
8512, 8689, 8934,	\c@part 2394	198, 508, 525, 644,
10766, 12756,	\c@poem@no 8210,	660, 678, 871, 904,
13048, 13061,	8252, 8304, 8315	922, 1127, 1143,
16572, 18058,	\c@secnumdepth . 304,	1161, 8414, 8430,
18421, 18612,	551, 560, 8751,	8446, 8591, 8607,
18794, 20087, 20856	8946, 10508,	8623, 8894, 8909,
\c@footnote 128,	10517, 10778,	10481, 10495,
318, 453, 745, 804,	12617, 17818, 18806	10750, 12585,
997, 1056, 1247,	\c@section 2419, 8504,	12600, 15061,
1306, 3747, 8525,	8681, 8938, 10770,	16916, 16928,
8702, 8839, 10598,	12748, 13052,	16940, 17966,
10695, 12698,	13065, 16560,	17982, 17998,
13387, 13401,	17311, 18050,	18338, 18354,
14436, 14546,	18415, 18615,	18370, 18570,
14554, 14584,	18798, 20076, 20845	18584, 18754,
14592, 15099,	\c@subparagraph 549,	18769, 21690,
15793, 15796,	703, 957, 1216,	21694, 21736,
18073, 18132,	8508, 8685, 8942,	21755, 21777,
18212, 18273,	10651, 10774,	21794, 21811,
18469, 18512,	12752, 13056,	21828, 22120,
18699, 19121,	13069, 16568,	22232, 22270,
19242, 19861,	18054, 18419,	22766, 22962, 23660
19982, 20634, 20755	18619, 18802,	\c@tracingmulticol
\c@Hy@AnnotLevel ..	19337, 20084, 20853	.. . . . 17124, 17142
.. . . . 14758,	\c@subsection 546, 700,	\c@twb 9307
14759, 14764, 14768	954, 1213, 2420,	\c@twcompctr 9288
\c@L@lines	8505, 8682, 8939,	\c@twcompodctr . . . 9304
. 15239, 15241, 15244	10648, 10771,	\c@twfirst 9289, 9295,
\c@ll@chapseci 9182	12749, 13053,	9302, 9306, 9315, 9318
\c@ll@chapsecii . . . 9177	13066, 16562,	\c@twlftside 9293
\c@lofdepth . 21845, 21882	18051, 18416,	\c@twlspec 9307, 9310, 9314
\c@lor@error	18616, 18799,	\c@twprune 9293,
9146, 9153, 9161,	19331, 20078, 20847	9294, 9310, 9314
9167, 23257, 23291	\c@subsectionslide 2422	\c@twrounds 9305,
\c@lotdepth . 21863, 21902	\c@subsubsection 547,	9308, 9311, 9323
\c@lstlisting 15404, 15406	701, 955, 1214,	\c@twrtside 9294
\c@LT@chunks 15745	8506, 8683, 8940,	\c@twslicea 9291,
\c@mpfootnote	10649, 10772,	9293, 9297, 9300,
2171, 2187, 2203,	12750, 13054,	9309, 9310, 9317, 9321
13312, 13326,	13067, 16564,	\c@twsliceb 9292,
13340, 13365, 15932	18052, 18417,	9294, 9297, 9300,
\c@NAT@ctr 17260	18617, 18800,	9313, 9314, 9317, 9321
\c@page .. 7941, 10263,	19333, 20080, 20849	\c@twwinlines . 9290, 9303
10291, 12928,	\c@table	\c@zabspage 13109
12955, 23172, 23962	8514, 8691, 8936,	\cals@activate@rtl 9056
\c@paragraph . . . 548,	10768, 12758,	\cals@AtBeginTable 9073
702, 956, 1215,	13050, 13063,	\cals@AtEndTable .. 9075
8507, 8684, 8941,	16573, 18060,	\cals@backup@row .. 9072
10650, 10773,	18423, 18614,	\cals@borderB 9071
12751, 13055,	18796, 20090, 20859	\cals@borderL 9068



<code>\cals@borderR</code> 9069	<code>\caption@make</code> . . . 15780	14270, 16594,
<code>\cals@borderT</code> 9070	<code>\caption@par</code> 9093	16596, 16598,
<code>\cals@current@context</code> 9062	<code>\caption@begin</code> . . . 15774	19209, 19949, 20722
<code>\cals@last@context</code> 9061	<code>\caption@belowskip</code> 15778	<code>\CenteringLeftskip</code> 17833
<code>\cals@paddingL</code> . 9078,	<code>\caption@end</code> 15782	<code>\CenteringParfillskip</code> 17836
9080, 9085, 9087	<code>\caption@hangindent</code> 9094	<code>\CenteringParindent</code> 17837
<code>\cals@paddingR</code> 9082, 9089	<code>\caption@ifdefined</code> 15777	<code>\CenteringRightskip</code> 17834
<code>\cals@set@tohsize</code> . 9065	<code>\caption@LT@make</code> . 15768	<code>\centerline</code> 307, 13609,
<code>\cals@setcellprevdepth</code> 9065	<code>\caption@LT@settype</code> 15769	13626, 17767, 23584
<code>\cals@setpadding</code> . . 9065	<code>\caption@LT@setup</code> 15770	<code>\cftbeforechapskip</code> 21738
<code>\cals@setup@alignment</code> 9049, 9064	<code>\caption@make@above</code> 15779	<code>\cftbeforefigskip</code> 21846
<code>\cals@table@alignment</code> 9054, 9055	<code>\caption@make@below</code> 15781	<code>\cftbeforeparaskip</code> 21812
<code>\cals@tbreak@tokens</code> 9059	<code>\caption@makecaption</code> 9091, 15389	<code>\cftbeforepartskip</code> 21706
<code>\cals@tfoot@height</code> 9060	<code>\caption@normalsize</code> 15775	<code>\cftbeforesecskip</code> 21757, 21760
<code>\cals@tfoot@tokens</code> 9058, 9075	<code>\caption@parindent</code> 9094	<code>\cftbeforesubfigskip</code> 21883
<code>\cals@thead@tokens</code> 9057	<code>\caption@prepare@stepcounter</code> 15773	<code>\cftbeforesubparaskip</code> 21829
<code>\cals@vfillAdd</code> . 9050,	<code>\caption@setautoposition</code> 15771	<code>\cftbeforesubsecskip</code> 21778
9052, 9078, 9087	<code>\caption@starfalse</code> 15390, 15772	<code>\cftbeforesubsubsecskip</code> 21795
<code>\cals@vfillDrop</code> 9051, 9052,	<code>\caption@starttrue</code> . . 15391, 15397, 15772	<code>\cftbeforesubtabskip</code> 21903
9080, 9082, 9085, 9089	<code>\caption@above</code> . 19594,	<code>\cftbeforetabskip</code> 21864
<code>\CAny</code> 3841	19599, 20356,	<code>\cftchapaftersnum</code> 21747
<code>\cAny</code> 3849	20361, 21121, 21126	<code>\cftchapaftersnumb</code> 21748
<code>\cap@indent</code> 19523, 19531,	<code>\caption@below</code> . 19596,	<code>\cftchapfillnum</code> . . 21751
19541, 19544,	19601, 20358,	<code>\cftchapfont</code> 21750
19546, 20284,	20363, 21123, 21128	<code>\cftchapindent</code> 21739, 21742, 21989
20292, 20302,	<code>\caption@format</code> 19484, 19516,	<code>\cftchapnumwidth</code> 21745, 21990
20305, 20307,	19527, 19538,	<code>\cftchappresnum</code> . . 21746
21049, 21057,	19549, 20245,	<code>\cftchapterprecistoc</code> 21988
21067, 21070, 21072	20277, 20288,	<code>\cftdot</code> 21686
<code>\cap@left</code> 19455,	20299, 20310,	<code>\cftdotfill</code> 21980
19492, 20216,	21010, 21042,	<code>\cftdotsep</code> 21979
20253, 20981, 21018	21053, 21064, 21075	<code>\cftfigaftersnum</code> . 21855
<code>\cap@margin</code> 19411, 20172, 20937	<code>\caption@labelfalse</code> 15395	<code>\cftfigaftersnumb</code> 21856
<code>\cap@right</code> . . . 19463,	<code>\catcode</code> 3589,	<code>\cftfigfillnum</code> . . 21859
19559, 20224,	3710, 5120, 5456,	<code>\cftfigfont</code> 21858
20320, 20989, 21085	5457, 5458, 5498,	<code>\cftfigindent</code> 21847, 21850
<code>\cap@width</code> . . . 19440,	7155, 7177, 8108,	<code>\cftfignumwidth</code> . . 21853
19493, 20201,	8109, 8111, 8112,	<code>\cftfigpresnum</code> . . 21854
20254, 20966, 21019	13513, 13514, 13629	<code>\cftparaaftersnum</code> 21821
<code>\caption</code> 6616,	<code>\Centering</code> 17828	<code>\cftparaaftersnumb</code> 21822
6617, 6619, 6675,	<code>\centering</code> 303,	<code>\cftparafillnum</code> . . 21825
14139, 14157,	9838, 9851, 9967,	<code>\cftparafont</code> 21824
15722, 16647,	12795, 12801,	
16649, 19496,	14169, 14254,	
19497, 20257,		
20258, 21022, 21023		



\cftparaindent	\cftsubsubsecaftersnumb	9245, 9252, 9255, 9265, 9268, 9275, 9278
..... 21813, 21816	..... 21805	
\cftparanumwidth . 21819	\cftsubsubsecfillnum	\cite 7192,
\cftparapresnum .. 21820	..... 21808	7284, 7290, 7291,
\cftpartaftersnum 21716	\cftsubsubsecfont 21807	7385, 7390, 7411,
\cftpartaftersnumb 21717	\cftsubsubsecindent	7419, 7440, 7448,
\cftpartfillnum .. 21720	..... 21796, 21799	7469, 7487, 7491,
\cftpartfont 21719	\cftsubsubsecnumwidth	7496, 7500, 7505,
\cftpartindent . . . .	..... 21802	7509, 17269, 17270
..... 21708, 21711	\cftsubsubsecpresnum	\citeasnoun 17270
\cftpartnumwidth . 21714	..... 21803	\citeN 17269
\cftpartpresnum . . .	\cftsubtabaftersnum	\cites 7285
..... 21715, 21719	..... 21912	\cl@ckpt 21390
\cftsecaftersnum . 21770	\cftsubtabaftersnumb	\ClassInfo 7972,
\cftsecaftersnumb 21771	..... 21913	8037, 19019,
\cftsecfillnum ... 21774	\cftsubtabfillnum 21916	19422, 19431,
\cftsecfont 21773	\cftsubtabfont ... 21915	19605, 19758,
\cftsecindent 21762, 21765	\cftsubtabindent ..	20183, 20192,
\cftsecnumwidth .. 21768	..... 21904, 21907	20367, 20531,
\cftsecpresnum ... 21769	\cftsubtabnumwidth 21910	20948, 20957, 21132
\cftsubfigaftersnum	\cftsubtabpresnum 21911	\ClassWarning . 19192,
..... 21892	\cfttabaftersnum . 21873	19199, 19221,
\cftsubfigaftersnumb	\cfttabaftersnumb 21874	19227, 19234,
..... 21893	\cfttabfillnum ... 21877	19495, 19932,
\cftsubfigfillnum 21896	\cfttabfont 21876	19939, 19961,
\cftsubfigfont ... 21895	\cfttabindent 21865, 21868	19967, 19974,
\cftsubfigindent ..	\cfttabnumwidth .. 21871	20256, 20705,
..... 21884, 21887	\cfttabpresnum ... 21872	20712, 20734,
\cftsubfignumwidth 21890	\chapnumfont 17817	20740, 20747, 21021
\cftsubfigpresnum 21891	\chapter 7530,	\ClassWarningNoLine
\cftsubparaaftersnum	7558, 7628, 7636,	..... 16631
..... 21838	7752, 7758, 8476,	\clear 6289
\cftsubparaaftersnumb	8664, 8973, 10806,	\cleardoubleemptypage
..... 21839	12643, 18033,	. 19212, 19952, 20725
\cftsubparafillnum 21842	18427, 18621, 18824	\cleardoublepage ..
\cftsubparafont .. 21841	\chapterheadendvskip	.... 7894, 7939,
\cftsubparaindent .	..... 17823	7941, 7998, 8011,
..... 21830, 21833	\chapterheadstartvskip	8025, 8967, 10800
\cftsubparanumwidth	..... 17815	\clearpage . 604, 620,
..... 21836	\chaptermark . 8015, 21649	869, 1121, 5332,
\cftsubparapresnum 21837	\chaptername .. 308, 16580	5333, 5337, 5338,
\cftsubsecaftersnum	\chapterstyle 16575	6248, 6249, 6252,
..... 21787	\char 3550, 3824, 3825, 5444	6894, 7906, 7941,
\cftsubsecaftersnumb	\chardef 5443,	8027, 8408, 8585,
..... 21788	13513, 15308,	8795, 8969, 10802,
\cftsubsecfillnum 21791	15309, 15315, 15316	17942, 18197,
\cftsubsecfont ... 21790	\check@floats 9732	18656, 19214,
\cftsubsecindent ..	\CheckCommand 14543, 14581	19954, 20727, 21683
..... 21779, 21782	\checkoddpages 6510	\clipbox@@ 17803
\cftsubsecnumwidth 21785	\CIIIAAny 3842	\CloneTOCEntryStyle
\cftsubsecpresnum 21786	\ciiiiAny 3850	..... 19611,
\cftsubsubsecaftersnum	\circle 9196, 9199, 9206,	19624, 19642,
..... 21804	9209, 9219, 9222,	19651, 20373,
	9229, 9232, 9242,	20386, 20405,



20414, 21138,	7376, 8378, 8392,	8380, 10937,
21151, 21170, 21179	10935, 10949,	10951, 10965,
\closing 10840	10963, 10975,	10977, 10988,
\clubpenalty . 92, 295,	10986, 10997,	10999, 11106,
583, 584, 717, 980,	11103, 11226,	11164, 11228,
1230, 2382, 2383,	11236, 11246,	11238, 11248,
4334, 8226, 8488,	11272, 11285,	11274, 11287,
8676, 8986, 8987,	11297, 11335,	11299, 11337,
10547, 10819,	11344, 11353,	11346, 11355,
10820, 12655,	11378, 11390,	11380, 11392,
15026, 17266,	11401, 11438,	11403, 11440,
18045, 18439,	11448, 11458,	11450, 11460,
18634, 18635,	11484, 11497,	11486, 11499,
18837, 18838,	11509, 11547,	11511, 11549,
19377, 20138,	11557, 11567,	11559, 11569,
20903, 21623, 21624	11593, 11606,	11595, 11608,
\coffee font 16936	11618, 11656,	11620, 11658,
\col@number . 132, 137,	11666, 11676,	11668, 11678,
139, 142, 143, 150,	11702, 11715,	11704, 11717,
459, 810, 1062,	11727, 11765,	11729, 11767,
1312, 8845, 10604,	11775, 11785,	11777, 11787,
10701, 12704,	11811, 11824,	11813, 11826,
16538, 16878,	11836, 11874,	11838, 11876,
16960, 16965,	11884, 11894,	11886, 11896,
17039, 17040,	11920, 11933,	11922, 11935,
17042, 17045,	11945, 11983,	11947, 11985,
17046, 17053,	11993, 12003,	11995, 12005,
17103, 17104,	12029, 12042,	12031, 12044,
17107, 17108,	12054, 12092,	12056, 12094,
17170, 17174,	12102, 12112,	12104, 12114,
18138, 18279,	12138, 12151,	12140, 12153,
18523, 18705,	12163, 12359,	12165, 12361,
19247, 19987, 20760	12371, 12383,	12373, 12385,
\col@sep 379, 407, 9097,	12420, 12434,	12422, 12436,
9098, 15734, 23429	12448, 12531,	12450, 12535,
\color 1532, 1535, 1572,	12544, 13261,	12548, 13264,
1604, 1627, 1648,	13278, 13294,	13281, 13297,
1669, 1693, 1793,	13321, 13335,	13324, 13338,
1795, 1834, 2429,	13349, 13361,	13352, 13382,
2434, 2445, 2846,	13849, 13859,	13852, 13862,
3781, 3782, 3783,	13866, 15785,	13869, 23828,
3784, 3785, 4257,	15869, 23824,	23843, 23855, 23862
9142, 9145, 9148,	23840, 23851, 23859	\color@fb@x . 23313, 23314
9166, 9169, 9832,	\color@block . 9139, 23220	\color@fb@x . . 9173, 23313
9835, 9845, 9963,	\color@box . . 9172, 23312	\color@hbox
15165, 15895, 23222	\color@endbox . . 4091,	. . 18937, 18947,
\color@ 23262, 23309	7014, 7058, 7102,	18965, 24066, 24082
\color@b@x	18940, 18950,	\color@setgroup . . .
9134, 9172, 9174,	18968, 23904,	. . . . . 9175, 23317
23215, 23312, 23315	23948, 24069, 24085	\color@vbox
\color@begingroup .	\color@endgroup 1890,	4069, 7005, 7049,
1860, 2131, 2148,	2134, 2151, 2168,	7093, 23895, 23939
2165, 2181, 2197,	2184, 2200, 2216,	\colorA . . 8753, 8762, 8774
2213, 7340, 7358,	7344, 7362, 7380,	\colorB 8759,



8765, 8771, 8777	11375, 11386,	..... 23236,
\colorblend ... 23229,	11398, 11481,	23239, 23279, 23282
23230, 23272, 23273	11493, 11506,	\Coord 3838
\colorbox 1913,	11590, 11602,	\coord 3843
3897, 3899, 3900	11615, 11699,	\CoordIII 3840
\colorlet . 1757, 1762,	11711, 11724,	\coordiia 3845
1832, 1833, 1862, 1864	11808, 11820,	\Coordn 3839
\columncolor .. 1466, 9105	11833, 11917,	\coordn 3844
\columnsep 99,	11929, 11942,	\Coordx 3835,
219, 597, 613, 862,	12026, 12038,	3838, 3839, 3840,
1114, 3730, 4166,	12051, 12135,	3841, 3842, 3843,
8401, 8578, 8788,	12147, 12160,	3844, 3845, 3849, 3850
9361, 9660, 12834,	12274, 12336,	\coordx 3846
13758, 15034,	12416, 12430,	\Coordy 3836,
16758, 16875,	12444, 12636,	3838, 3839, 3840,
16968, 17014,	12640, 12825,	3841, 3842, 3843,
17935, 18190,	12827, 12831,	3844, 3845, 3849, 3850
18649, 23177,	12835, 12863,	\coordy 3847
23182, 23186,	12869, 13167,	\Coordz 3837,
23192, 23195, 23755	13170, 13172,	3840, 3842, 3845, 3850
\columnseprule .. 99,	13257, 13274,	\coordz 3848
219, 596, 612,	13290, 13317,	\copy . 1810, 7001, 7045,
861, 1113, 3731,	13331, 13345,	7089, 9041, 9330,
4167, 8400, 8577,	13363, 13644,	9393, 9502, 9992,
8787, 9352, 9417,	13651, 13698,	10013, 12808,
9649, 9668, 12826,	13704, 13747,	12844, 13672,
12867, 13702,	13751, 13755,	13721, 13922,
13749, 15034,	13759, 14111,	13968, 15810,
16748, 16850,	14112, 15048,	15822, 15826,
16993, 17004,	15122, 15126,	16680, 16780,
17934, 18189,	15872, 16746,	17672, 17755,
18648, 23746, 23795	16750, 16754,	17825, 23415,
\columnseprulecolor	16757, 16846,	23724, 23771,
..... 16992, 17003	16852, 16875,	23891, 23935, 23998
\columnwidth 28, 41, 55,	16904, 16910,	\cor@height ... 16703,
71, 232, 244, 258,	17072, 17076,	16704, 16731,
273, 540, 544, 731,	17080, 17084,	16732, 16771,
965, 1211, 2124,	18030, 18453,	16803, 16804,
2141, 2158, 2177,	18603, 18607,	16831, 16832, 16868
2193, 2209, 3377,	18785, 18789,	\count 3372,
3383, 4081, 8502,	19069, 19108,	3657, 4064, 5762,
8655, 8925, 8929,	19109, 19809,	6990, 7034, 7078,
9037, 9350, 9354,	19848, 19849,	11177, 11209,
9358, 9362, 9413,	20582, 20621,	11318, 11421,
9419, 9647, 9651,	20622, 23744,	11530, 11639,
9656, 9661, 9663,	23748, 23752,	11748, 11857,
9670, 9981, 10002,	23756, 23791,	11966, 12075,
10554, 10558,	23797, 23987, 23989	12234, 12240,
10853, 10857,	\contentslabel . 7589,	12292, 12298,
10902, 10932,	7596, 7603, 7610, 7617	12938, 13664,
10946, 10960,	\contentsline 14374	13673, 13675,
10972, 10983,	\contentsmargin .. 21588	13722, 13724,
10994, 11269,	\contentspush 21562	14051, 14057,
11281, 11294,	\convertcolorspec .	



17103, 17107,	4006, 4061, 4348,	8366, 9148, 9154,
23880, 23924, 24032	4351, 4354, 4356,	9162, 9169, 10934,
\count@ . . . 1406, 1465,	4358, 4361, 4364,	10948, 10962,
4504, 4509, 6336,	4372, 4373, 4378,	10974, 10985,
6337, 6339, 9103,	4385, 4387, 4389,	10996, 11225,
16955, 16956,	4390, 4391, 4392,	11235, 11245,
16958, 16960,	4395, 4397, 4401,	11271, 11284,
16967, 16988,	4403, 4432, 4433,	11296, 11334,
16989, 16991,	4456, 4457, 4484,	11343, 11352,
17008, 17009,	4511, 4515, 4526,	11377, 11389,
17012, 17367,	4534, 4542, 4550,	11400, 11437,
17375, 17388, 21429	4552, 4554, 4558,	11447, 11457,
\counterwithout 16576,	4559, 4623, 4665,	11483, 11496,
16577, 16578, 16579	4675, 4681, 4682,	11508, 11546,
\coverpagebottommargin	4684, 4685, 4687,	11556, 11566,
. 19101, 19841, 20614	4688, 4690, 4692,	11592, 11605,
\coverpageleftmargin	4694, 4696, 4897,	11617, 11655,
. . 19096, 19097,	4898, 4900, 4901,	11665, 11675,
19099, 19836,	4904, 4905, 4914,	11701, 11714,
19837, 19839,	4915, 4950, 4951,	11726, 11764,
20609, 20610, 20612	4974, 5029, 5030,	11774, 11784,
\coverpagerightmargin	5031, 5032, 5038,	11810, 11823,
. 19099, 19839, 20612	5039, 5040, 5041,	11835, 11873,
\coverpagetopmargin	5124, 5125, 5128,	11883, 11893,
. 19095,	5129, 5194, 5365,	11919, 11932,
19101, 19835,	5366, 5368, 5379,	11944, 11982,
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\CROP@exectopt 9285	5788, 5890, 5893,	13030, 13031,
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22682,	22686,	\cuted@page@rule .		4287
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				\cvlistitem
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				\cvtheme
				4204, 4207



D		
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<code>\dedication</code>		
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132, 133, 135, 197,		
218, 227, 228, 229,		
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266, 298, 301, 313,		
319, 336, 345, 350,		
352, 377, 382, 384,		
405, 406, 407, 408,		
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1371, 1377, 1405,		
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 6937, 6938, 6942,
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21600,	21603,	24000,	24001,	9815, 9816, 9819,
21627,	22330,	24002,	24003,	9820, 9885, 9886,
22354,	22961,	24013,	24099,	9891, 9892, 9897,
22982,	22984,	24111,	24112,	9898, 9903, 9904,
23140,	23183,	24114,	24237,	9909, 9910, 10451
23186,	23192,	24239,	24243,	\DefineTOCEntryCommandOption
23196,	23215,	24245, 24296, 24298	 22418,
23221,	23224,	\default@color 9141, 23221		22420, 22422,
23246,	23255,	\DefaultFindent .. 15137		22426, 22428,
23261,	23267,	\DefaultLhang 15133		22430, 22432, 22434
23289,	23295,	\DefaultLoversize 15134		\DefineTOCEntryIfOption
23304,	23308,	\DefaultLraise ... 15135	 22410,
23312,	23313,	\DefaultNindent .. 15138		22412, 22416, 22452
23314,	23317,	\DefaultOptionsFile		\DefineTOCEntryLengthOption
23322,	23328,	. 15157, 15160, 15163		.. 21997, 21999,
23329,	23330,	\DefaultSlope 15139		22158, 22408,
23340,	23350,	\defbeamertemplate		22424, 22436,
23359,	23370, 1526,		22438, 22454, 22456
23371,	23380,	1540, 1543, 1562,		\DefineTOCEntryListOption
23381,	23390,	1580, 1585, 1592,	 22414



<code>\DefineTOCEntryOption</code>	10060, 10066, 10067, 10068, 10109, 10112, 10118, 10119, 10120	10043, 10046, 10056, 10098, 10100
..... 22440		..... 10135, 10138
<code>\DefNewDummy</code> .. 5551, 5568		<code>\diagbox@double</code> ...
<code>\delimiter</code> 13484		..... 10135, 10138
<code>\DEPTH</code> 21491, 21498	<code>\dfn@fnmaxdp</code>	<code>\diagbox@double@pict@NE</code>
<code>\depth</code> 13912,	9983, 9988, 9993,	..... 10209, 10216
16477, 16484, 16509	10004, 10009,	<code>\diagbox@double@pict@NW</code>
<code>\depthof</code> 10326,	10014, 10036,	..... 10208
10331, 10340,	10039, 10093, 10096	<code>\diagbox@double@pict@SE</code>
10341, 10345, 10350	<code>\dfn@footnoterule</code> .	..... 10201, 10208
<code>\descriptionlabel</code> . 7745	..... 10077, 10129	<code>\diagbox@double@pict@SW</code>
<code>\DetectColumn</code> 23685, 23689	<code>\dfn@footnotetext</code> . 9978	..... 10216
<code>\detokenize</code> 4659,	<code>\dfn@gobble</code> .. 9980, 10001	<code>\diagbox@font</code>
4661, 5104, 5106,	<code>\dfn@ins</code> .. 9988, 9989,	.. 10136, 10139,
5107, 5134, 5149,	9990, 9992, 10009,	10143, 10145,
5166, 5169, 5177,	10010, 10011,	10150, 10152,
5179, 5250, 5251, 6128	10013, 10027,	10156, 10159,
<code>\dfn@afteroutput</code> ..	10028, 10084, 10085	10162, 10166,
..... 10070,	<code>\dfn@latex@footnotetext</code>	10168, 10172, 10174
10073, 10122, 10125	..... 9977	<code>\diagbox@ht</code> ... 10203,
<code>\dfn@boxa</code> 9979,	<code>\dfn@latex@LTRfootnotetext</code>	10206, 10211, 10214
9984, 9987, 9991,	..... 9983, 9998	<code>\diagbox@insepl</code> 10136,
9992, 9993, 10000,	<code>\dfn@latex@makecol</code>	10143, 10145,
10005, 10008,	..... 10076, 10128	10156, 10159,
10012, 10013,	<code>\dfn@latex@RTLfootnotetext</code>	10166, 10168,
10014, 10027,	..... 10004, 10019	10178, 10188, 10190
10034, 10037,	<code>\dfn@list</code> 9997,	<code>\diagbox@insepr</code> 10139,
10039, 10046,	10018, 10025,	10150, 10152,
10054, 10084,	10058, 10060,	10162, 10172,
10091, 10094,	10063, 10069,	10174, 10181,
10096, 10100, 10108	10082, 10110,	10184, 10195, 10197
<code>\dfn@boxb</code> 9993,	10112, 10115, 10121	<code>\diagbox@setlinecolor</code>
10014, 10031,	<code>\dfn@LTRfootnotetext</code>	..... 10202,
10032, 10039,	..... 9979, 9999	10205, 10210,
10044, 10088,	<code>\dfn@LTRmakecol</code> ...	10213, 10218,
10089, 10096, 10099	. 10078, 10130, 10132	10222, 10227,
<code>\dfn@countins</code> 10023, 10080	<code>\dfn@makecol</code>	10231, 10236,
<code>\dfn@dima</code> . 9984, 9985,	. 10130, 10131, 10132	10240, 10245, 10249
9986, 9997, 10005,	<code>\dfn@makefnmark</code> ...	<code>\diagbox@triple@pict@NE</code>
10006, 10007,	..... 9982, 10003	..... 10226
10018, 10022,	<code>\dfn@RTLfootnotetext</code>	<code>\diagbox@triple@pict@NW</code>
10039, 10059,	..... 10000, 10020	..... 10217
10079, 10096, 10111	<code>\dfn@RTLmakecol</code> ...	<code>\diagbox@triple@pict@SE</code>
<code>\dfn@dimb</code> 10059,	. 10021, 10130, 10131	..... 10244
10060, 10062,	<code>\dfn@split</code> 9993,	<code>\diagbox@triple@pict@SW</code>
10063, 10065,	10014, 10027,	..... 10235
10111, 10112,	10039, 10084, 10096	<code>\diagbox@triple@setbox@NE</code>
10114, 10115, 10117	<code>\DFNalwaysdouble</code> . 10133	..... 10200
<code>\dfn@elt@adjust</code> ...	<code>\DFNcolumnsep</code>	<code>\diagbox@triple@setbox@NW</code>
..... 10059, 10111	. 10042, 10055, 10099	..... 10155,
<code>\dfn@elt@getht</code>	<code>\DFNcolumnwidth</code> ...	10158, 10161, 10176
..... 10024, 10081	.... 9976, 9981,	<code>\diagbox@triple@setbox@SE</code>
<code>\dfn@fnht</code> 9995,	10002, 10041,	..... 10177,
10016, 10057,		10180, 10183, 10200



<code>\diagbox@triple@setbox@SW</code>	2565, 2580, 4610,	7272, 9307, 12763,
..... 10176	4613, 4900, 4904,	15244, 22279, 22675
<code>\diagbox@wd</code> ... 10203,	4914, 4923, 8502,	<code>\do@hvFloat</code> 14072
10206, 10211, 10214	8655, 9471, 9533,	<code>\document</code> 5292, 5308
<code>\DigitsDotDashInterCharToks</code>	9534, 9536, 9562,	<code>\documentclass</code> . 6095,
..... 3549, 3550	9571, 9595, 9625,	6098, 13818, 13828
<code>\dim</code> 16151, 16152,	15048, 15901,	<code>\doloopbody</code> 5737, 5738,
16475, 16476, 16477	15910, 16875,	5782, 5855, 5862,
<code>\dimen</code> 3371, 3656, 11114,	17084, 18030,	5869, 5872, 5874,
11178, 11198,	18453, 19013,	5878, 5880, 5882, 5886
11199, 11200,	19059, 19066,	<code>\donotcoloroutermaths</code>
11208, 11317,	19069, 19095,	... 2490, 2491, 2492
11420, 11529,	19096, 19097,	<code>\doubleitemmaincolumnwidth</code>
11638, 11747,	19098, 19100,	4227, 4240, 4241,
11856, 11965,	19752, 19799,	4242, 4243, 4267, 4269
12074, 12233,	19806, 19809,	<code>\doublerulesepcolor</code> 1469
12239, 12291,	19835, 19836,	<code>\downto</code> value ... 5735,
12297, 13665,	19837, 19838,	5747, 5829, 5868
16972, 16979,	19840, 20525,	<code>\dp</code> . 40, 54, 70, 243, 257,
16980, 16988,	20572, 20579,	272, 389, 1462,
16989, 16994,	20582, 20608,	1779, 1784, 1893,
16995, 17008,	20609, 20610,	1974, 1978, 1998,
17009, 17016,	20611, 20613,	2009, 2027, 2038,
17017, 24005, 24008	22144, 22357,	3396, 3673, 9138,
<code>\dimen@</code> ... 9137, 9138,	22365, 22374,	9139, 9471, 9514,
12518, 12520,	22376, 23541,	9516, 9519, 9521,
13523, 13524,	23543, 23544,	9582, 9583, 9598,
13525, 13535,	23545, 23550,	9600, 9984, 10005,
13536, 13537,	23552, 23553,	10032, 10051,
13540, 13541,	23554, 23559,	10053, 10089,
13542, 13548,	23561, 23562,	10105, 10107,
13558, 13560,	23563, 23568,	10325, 10330,
13569, 13571,	23570, 23571, 23572	10343, 10349,
13578, 13579,	<code>\DiscardVskip</code> 15140	10463, 10468,
13580, 13581,	<code>\display@setup</code> 8995, 9020	10472, 10475,
15807, 15808,	<code>\displayindent</code> 9036	11119, 12187,
15809, 17089,	<code>\displaystyle</code> 12889, 12905	12518, 12526,
17090, 17095,	<code>\displaywidth</code> .. 9036,	12774, 12787,
17096, 17099,	10322, 10324,	13256, 13273,
17100, 17740,	10329, 12908, 15104	13289, 13778,
17745, 21281,	<code>\divide</code> 5877,	13783, 13883,
21283, 21289,	8087, 11199,	13924, 13925,
21295, 23154,	12275, 12276,	13928, 13970,
23155, 23156,	12337, 12338,	13971, 13974,
23157, 23158,	12775, 12776,	15188, 15739,
23159, 23218, 23219	13911, 13912,	15909, 15912,
<code>\dimen@i</code> 21282,	17170, 17174,	16972, 16988,
21283, 21288, 21294	17584, 17585, 21363	16989, 16994,
<code>\dimen@ii</code> 13573,	<code>\do</code> .. 319, 320, 321, 322,	16995, 17008,
13574, 13575,	323, 324, 4038,	17009, 17016,
13581, 13583,	6112, 6172, 6187,	17017, 17564,
13586, 13587, 13588	6208, 6211, 7197,	17565, 17566,
<code>\dimexpr</code> . 28, 232, 731,	7202, 7216, 7221,	17740, 17784,
965, 1211, 2550,	7235, 7240, 7263,	18854, 18896,



18899,	18953,	6126, 6170, 6192,	2887, 2895, 2926,
18960,	19464,	6206, 6234, 6326,	2963, 3963, 3964,
19466,	19560,	6338, 6345, 6362,	4089, 8176, 8380,
19562,	20225,	7166, 7311, 7322,	9039, 9120, 11165,
20227,	20321,	8259, 8262, 8265,	12894, 12895,
20323,	20990,	10375, 10378,	12909, 13383,
20992,	21086,	12916, 12922,	13595, 13599,
21088,	21330,	13027, 13029,	15819, 15822,
21365,	21377,	13030, 13031,	16883, 17521,
21491,	21493,	13116, 13137,	17531, 17552,
23210,	23219,	13421, 13427,	17683, 17689,
23220,	23627,	13555, 14544,	17693, 17699,
23977, 23984, 24071		14551, 14582,	17703, 17707,
\dquad	9028, 9030	14589, 14622,	17711, 17715,
\draw	23034,	14653, 14684,	17778, 17963,
23041,	23045,	15094, 15246,	18413, 21323,
23068,	23078,	15248, 15254,	21324, 21349,
23086,	23089,	15256, 15793,	21355, 22880,
23092,	23095,	15796, 17286,	23332, 23338,
23107,	23112,	17430, 17449,	23342, 23348,
23119, 23125, 23126		17452, 17478,	23352, 23357,
\dseries@display@setup		17914, 18850,	23361, 23366,
.	9020	18893, 19086,	23432, 23440,
		19366, 19421,	23441, 23619, 23620
		19430, 19826,	
		20127, 20182,	\eightcolumnfootnotes
		20191, 20599,	. . . . . 11850
		20892, 20947,	
		20956, 21333,	\eject 13526, 13595, 13615
		21358, 21372,	
		21390, 21445,	\else . . 4, 12, 13, 25, 36,
		21452, 21465,	87, 104, 116, 134,
		21929, 22278,	136, 151, 155, 159,
		22300, 22461,	167, 175, 182, 191,
		22494, 22501,	199, 207, 208, 224,
		22506, 22593,	239, 290, 305, 309,
		22744, 22776,	340, 353, 354, 355,
		22880, 22993,	357, 358, 361, 362,
		23230, 23235,	363, 365, 366, 367,
		23244, 23259,	368, 369, 372, 373,
		23263, 23273,	374, 398, 404, 450,
		23278, 23287,	461, 464, 513, 530,
		23293, 23306,	533, 534, 554, 557,
		23310, 23527,	572, 593, 604, 609,
		23630, 23694, 23708	620, 624, 632, 636,
		\EdefEscapeName . . 14875	637, 641, 645, 648,
		\egroup 179,	649, 654, 665, 676,
		185, 382, 406,	690, 693, 694, 697,
		641, 1200, 1367,	707, 754, 763, 771,
		1368, 1485, 1890,	795, 799, 801, 812,
		2084, 2096, 2098,	815, 858, 869, 872,
		2312, 2334, 2357,	875, 876, 882, 892,
		2619, 2626, 2632,	895, 896, 899, 909,
		2638, 2729, 2851,	920, 931, 939, 943,
			952, 970, 1006,
			1015, 1023, 1047,
			1051, 1053, 1064,



1067, 1110, 1121,
1125, 1128, 1131,
1132, 1137, 1148,
1159, 1174, 1177,
1178, 1181, 1191,
1195, 1196, 1200,
1220, 1256, 1265,
1273, 1297, 1301,
1303, 1314, 1317,
1354, 1359, 1360,
1373, 1378, 1379,
1380, 1382, 1383,
1386, 1387, 1388,
1390, 1391, 1392,
1393, 1394, 1395,
1396, 1399, 1400,
1401, 1421, 1422,
1423, 1424, 1425,
1426, 1428, 1429,
1430, 1431, 1432,
1505, 1513, 1568,
1598, 1621, 1642,
1663, 1777, 1794,
1815, 1853, 1865,
1892, 1893, 1903,
1909, 1938, 1946,
1955, 1963, 2001,
2030, 2085, 2100,
2121, 2171, 2173,
2242, 2268, 2294,
2327, 2368, 2397,
2424, 2427, 2432,
2439, 2452, 2460,
2479, 2624, 2630,
2636, 2696, 2698,
2742, 2749, 2777,
2817, 2834, 2841,
2852, 2862, 2901,
2916, 2923, 2941,
2964, 3013, 3024,
3034, 3055, 3062,
3110, 3119, 3129,
3150, 3157, 3192,
3201, 3212, 3220,
3231, 3245, 3300,
3306, 3312, 3356,
3358, 3367, 3378,
3381, 3384, 3559,
3562, 3627, 3641,
3643, 3652, 3662,
3909, 3915, 3921,
3936, 4019, 4027,
4032, 4042, 4281,
4282, 4283, 4285,

4321, 4388, 4394,
4415, 4418, 4437,
4445, 4461, 4469,
4485, 4555, 4563,
4569, 4575, 4581,
4587, 4593, 4599,
4605, 4618, 4626,
4630, 4636, 4644,
4648, 4670, 4677,
4729, 4754, 4783,
4808, 4840, 4874,
4903, 4938, 5142,
5476, 5489, 5490,
5503, 5504, 5506,
5508, 5516, 5518,
5540, 5554, 5607,
5611, 5617, 5623,
5663, 5832, 5841,
5892, 5916, 5931,
5996, 6008, 6040,
6051, 6089, 6101,
6102, 6119, 6128,
6173, 6188, 6191,
6218, 6219, 6233,
6514, 6520, 6715,
6718, 6721, 6724,
6754, 6982, 6988,
7020, 7026, 7032,
7070, 7076, 7255,
7652, 7653, 7941,
8026, 8079, 8092,
8101, 8191, 8212,
8237, 8310, 8330,
8331, 8346, 8351,
8355, 8397, 8408,
8412, 8415, 8418,
8419, 8424, 8435,
8444, 8458, 8461,
8462, 8466, 8478,
8534, 8543, 8551,
8574, 8585, 8589,
8592, 8595, 8596,
8601, 8612, 8621,
8635, 8638, 8639,
8643, 8666, 8711,
8720, 8728, 8750,
8761, 8763, 8784,
8795, 8836, 8847,
8850, 8899, 8914,
8917, 8918, 8945,
8959, 8968, 8975,
8998, 9028, 9054,
9079, 9086, 9135,
9140, 9178, 9179,

9185, 9203, 9226,
9249, 9272, 9297,
9298, 9300, 9312,
9317, 9319, 9321,
9341, 9346, 9364,
9380, 9404, 9409,
9423, 9439, 9458,
9474, 9495, 9535,
9546, 9560, 9563,
9569, 9601, 9609,
9612, 9615, 9631,
9634, 9637, 9662,
9691, 9725, 9729,
9744, 9752, 9844,
9926, 9940, 9985,
9989, 9991, 10006,
10010, 10012,
10021, 10026,
10035, 10046,
10050, 10058,
10078, 10083,
10092, 10100,
10104, 10110,
10130, 10144,
10151, 10167,
10173, 10189,
10196, 10258,
10268, 10271,
10274, 10294,
10297, 10300,
10304, 10328,
10410, 10425,
10440, 10441,
10442, 10443,
10470, 10486,
10489, 10490,
10500, 10511,
10514, 10527,
10537, 10595,
10606, 10609,
10692, 10703,
10706, 10754,
10777, 10792,
10801, 10808,
10829, 10830,
10832, 10837,
10843, 10845,
10849, 10927,
10968, 11039,
11042, 11051,
11054, 11063,
11066, 11087,
11091, 11095,
11101, 11126,



11134,	11142,	13909,	13910,	14673,	14704,
11155,	11220,	13916,	13918,	14757,	14769,
11265,	11329,	13926,	13932,	14772,	14789,
11371,	11432,	13935,	13938,	14798,	14808,
11477,	11541,	13945,	13952,	14823,	14831,
11586,	11650,	13954,	13960,	14840,	14854,
11694,	11759,	13964,	13967,	14869,	14883,
11803,	11868,	13972,	13978,	14895,	15021,
11913,	11977,	13981,	13994,	15039,	15059,
12022,	12086,	13997,	14000,	15062,	15070,
12131,	12265,	14006,	14013,	15071,	15087,
12269,	12286,	14023,	14036,	15109,	15110,
12307,	12327,	14045,	14053,	15112,	15117,
12331,	12348,	14060,	14063,	15141,	15142,
12403,	12412,	14066,	14085,	15143,	15144,
12515,	12556,	14088,	14094,	15153,	15158,
12570,	12590,	14095,	14098,	15171,	15196,
12605,	12608,	14105,	14107,	15205,	15240,
12609,	12616,	14113,	14124,	15247,	15255,
12628,	12645,	14132,	14134,	15275,	15285,
12695,	12706,	14135,	14136,	15293,	15323,
12709,	12768,	14139,	14144,	15334,	15352,
12818,	12823,	14150,	14152,	15362,	15368,
12854,	12859,	14153,	14154,	15405,	15484,
12884,	12897,	14157,	14167,	15487,	15490,
12914,	12941,	14169,	14182,	15493,	15496,
12945,	12966,	14188,	14191,	15499,	15502,
13072,	13076,	14195,	14201,	15505,	15508,
13102,	13126,	14204,	14207,	15512,	15515,
13208,	13211,	14213,	14218,	15518,	15521,
13251,	13302,	14221,	14225,	15524,	15527,
13340,	13341,	14227,	14230,	15530,	15533,
13357,	13375,	14234,	14236,	15536,	15539,
13449,	13452,	14238,	14242,	15542,	15545,
13461,	13464,	14247,	14251,	15548,	15551,
13473,	13476,	14258,	14263,	15554,	15557,
13486,	13504,	14267,	14274,	15560,	15563,
13506,	13522,	14279,	14283,	15566,	15569,
13527,	13547,	14287,	14289,	15572,	15575,
13576,	13582,	14292,	14296,	15578,	15581,
13598,	13605,	14298,	14300,	15584,	15587,
13610,	13623,	14304,	14308,	15590,	15593,
13653,	13687,	14312,	14318,	15596,	15599,
13692,	13736,	14321,	14325,	15602,	15605,
13741,	13775,	14331,	14334,	15608,	15611,
13776,	13781,	14337,	14343,	15614,	15617,
13798,	13799,	14358,	14368,	15620,	15623,
13801,	13809,	14377,	14388,	15626,	15629,
13810,	13820,	14408,	14419,	15632,	15635,
13839,	13843,	14430,	14448,	15638,	15641,
13845,	13854,	14459,	14470,	15644,	15647,
13856,	13864,	14481,	14496,	15650,	15653,
13879,	13903,	14511,	14571,	15656,	15659,
13905,	13908,	14609,	14642,	15662,	15665,



15668,	15671,	17788,	17798,	18967,	18971,
15674,	15677,	17804,	17807,	18998,	19006,
15680,	15683,	17814,	17816,	19018,	19031,
15686,	15689,	17822,	17833,	19034,	19044,
15692,	15695,	17835,	17846,	19060,	19067,
15698,	15706,	17848,	17859,	19073,	19111,
15707,	15708,	17861,	17870,	19126,	19130,
15709,	15732,	17872,	17891,	19133,	19140,
15761,	15771,	17911,	17925,	19147,	19153,
15804,	15819,	17926,	17931,	19174,	19190,
15821,	15832,	17942,	17946,	19191,	19198,
15842,	15849,	17954,	17958,	19207,	19214,
15919,	16540,	17959,	17963,	19216,	19220,
16543,	16554,	17967,	17970,	19226,	19233,
16555,	16556,	17971,	17976,	19249,	19250,
16557,	16558,	17987,	17996,	19254,	19255,
16559,	16588,	18010,	18013,	19261,	19263,
16604,	16610,	18014,	18018,	19264,	19268,
16616,	16641,	18035,	18082,	19269,	19276,
16651,	16673,	18091,	18099,	19278,	19279,
16691,	16707,	18123,	18127,	19283,	19284,
16720,	16733,	18129,	18140,	19291,	19328,
16737,	16791,	18143,	18186,	19329,	19342,
16807,	16820,	18197,	18221,	19344,	19356,
16833,	16837,	18230,	18238,	19371,	19387,
16893,	16901,	18264,	18268,	19397,	19404,
16907,	16916,	18270,	18281,	19405,	19406,
16918,	16922,	18284,	18325,	19408,	19442,
16923,	16928,	18330,	18331,	19445,	19471,
16930,	16935,	18339,	18342,	19477,	19522,
16940,	16942,	18343,	18348,	19533,	19543,
16947,	16957,	18359,	18368,	19571,	19582,
16970,	17032,	18382,	18385,	19600,	19630,
17055,	17060,	18386,	18390,	19737,	19745,
17065,	17110,	18396,	18404,	19757,	19770,
17112,	17128,	18408,	18409,	19774,	19784,
17135,	17171,	18413,	18429,	19800,	19807,
17175,	17179,	18458,	18509,	19813,	19851,
17258,	17263,	18525,	18528,	19866,	19870,
17296,	17302,	18574,	18589,	19873,	19880,
17310,	17313,	18592,	18593,	19887,	19893,
17337,	17357,	18598,	18599,	19914,	19930,
17372,	17420,	18623,	18645,	19931,	19938,
17451,	17475,	18656,	18696,	19947,	19954,
17533,	17547,	18707,	18710,	19956,	19960,
17581,	17607,	18759,	18774,	19966,	19973,
17645,	17646,	18777,	18778,	19989,	19990,
17647,	17673,	18805,	18817,	19994,	19995,
17727,	17728,	18826,	18858,	20001,	20003,
17731,	17735,	18903,	18937,	20004,	20008,
17736,	17739,	18939,	18943,	20009,	20016,
17741,	17747,	18947,	18949,	20018,	20019,
17765,	17766,	18954,	18958,	20023,	20024,
17771,	17779,	18961,	18965,	20031,	20068,



20073,	20095,	21476,	21477,	22871,	22888,
20103,	20104,	21478,	21479,	22898,	22904,
20117,	20132,	21482,	21483,	22910,	22913,
20148,	20158,	21484,	21547,	22924,	22962,
20165,	20166,	21564,	21571,	22964,	22969,
20167,	20169,	21573,	21578,	22978,	22983,
20203,	20206,	21583,	21584,	22985,	22992,
20232,	20238,	21587,	21592,	22999,	23030,
20283,	20294,	21596,	21597,	23037,	23042,
20304,	20333,	21612,	21636,	23048,	23059,
20344,	20362,	21640,	21650,	23062,	23073,
20392,	20510,	21656,	21662,	23080,	23094,
20518,	20530,	21667,	21673,	23144,	23151,
20543,	20547,	21683,	21695,	23152,	23154,
20557,	20573,	21703,	21708,	23162,	23170,
20580,	20586,	21709,	21710,	23172,	23173,
20624,	20639,	21718,	21725,	23184,	23188,
20643,	20646,	21739,	21740,	23193,	23202,
20653,	20660,	21741,	21749,	23208,	23216,
20666,	20687,	21758,	21762,	23220,	23229,
20703,	20704,	21763,	21764,	23248,	23253,
20711,	20720,	21772,	21779,	23272,	23297,
20727,	20729,	21780,	21781,	23302,	23322,
20733,	20739,	21789,	21796,	23368,	23369,
20746,	20762,	21797,	21798,	23396,	23397,
20763,	20767,	21806,	21813,	23400,	23404,
20768,	20774,	21814,	21815,	23405,	23464,
20776,	20777,	21823,	21830,	23483,	23486,
20781,	20782,	21831,	21832,	23491,	23494,
20789,	20791,	21840,	21847,	23497,	23500,
20792,	20796,	21848,	21849,	23503,	23517,
20797,	20804,	21857,	21865,	23525,	23530,
20841,	20868,	21866,	21867,	23531,	23532,
20869,	20882,	21875,	21884,	23542,	23543,
20897,	20913,	21885,	21886,	23545,	23551,
20923,	20930,	21894,	21904,	23552,	23554,
20931,	20932,	21905,	21906,	23560,	23561,
20934,	20968,	21914,	21924,	23563,	23569,
20971,	20997,	21939,	21940,	23570,	23572,
21003,	21048,	21941,	21949,	23580,	23581,
21059,	21069,	21971,	21989,	23582,	23583,
21098,	21109,	21990,	21991,	23586,	23589,
21127,	21157,	22129,	22241,	23592,	23595,
21252,	21255,	22261,	22271,	23596,	23597,
21291,	21308,	22277,	22281,	23598,	23600,
21341,	21354,	22329,	22333,	23602,	23603,
21362,	21375,	22446,	22766,	23607,	23609,
21380,	21459,	22780,	22784,	23623,	23640,
21460,	21461,	22807,	22822,	23645,	23646,
21463,	21464,	22832,	22836,	23647,	23648,
21467,	21468,	22846,	22847,	23649,	23650,
21469,	21470,	22848,	22849,	23651,	23652,
21471,	21472,	22854,	22856,	23655,	23656,
21473,	21475,	22857,	22865,	23660,	23662,



23667,	23696,	3869, 3870, 4265,	19143,	19160,
23705,	23715,	4267, 4269, 4271,	19168,	19183,
23735,	23740,	4273, 4277, 4285,	19187,	19215,
23782,	23787,	4288, 4338, 4429,	19352,	19815,
23812,	23819,	4437, 4439, 4440,	19883,	19900,
23835,	23846,	4446, 4453, 4461,	19908,	19923,
23857,	23872,	4463, 4464, 4470,	19927,	19955,
23878,	23916,	5363, 5364, 5385,	20113,	20588,
23922,	23960,	5409, 6554, 6555,	20656,	20673,
23962,	23972,	6560, 6563, 6640,	20681,	20696,
23988,	23990,	6641, 6648, 6649,	20700,	20728,
23993,	23997,	6656, 6657, 6677,	20878,	21414,
24006,	24035,	6678, 6716, 6719,	21610,	23034,
24038,	24041,	6722, 6725, 6732,	23041,	23051,
24047,	24068,	6733, 6916, 6917,	23056,	23069,
24084,	24104,	7536, 7592, 7599,	23076,	23079,
24111,	24112,	7606, 7613, 7620,	23098,	23115,
24229, 24237, 24243		7631, 7639, 7766,	23122, 23128, 23130	
\em 7745		7767, 7903, 7946,	\end@dblfloat 18933	
\email 322, 4217		7968, 8352, 8546,	\end@float	
\emailink 4299, 9859, 9957		8554, 8557, 8723,	. . . 6580, 6909, 18884	
\emailsymbol		8731, 8734, 8763,	\end@rotdblfloat . 18888	
. . . 4177, 9859, 9957		8775, 8815, 8818,	\end@rotfloat	
\empty 13436,		8821, 8886, 8889,	. 18845, 18886, 18887	
13439, 14085, 21261		9202, 9212, 9225,	\endarray 382,	
\EmptyTokenList . . . 5658		9235, 9248, 9258,	406, 1367, 1368,	
\end 179, 186, 429,		9271, 9281, 9838,	21349, 21353, 23432	
432, 435, 500, 503,		9947, 9959, 9967,	\endBCmd 3860	
766, 774, 777, 847,		10372, 10446,	\endbeamer@putright	
850, 1018, 1026,		10576, 10579,	. . . 2653, 2665, 2677	
1029, 1099, 1102,		10582, 10641,	\endbeamerboxesrounded	
1268, 1276, 1279,		10644, 10671,	. . . . . 1838	
1350, 1353, 1358,		10674, 10677,	\endbidi@switch . . .	
1359, 1360, 1536,		10742, 10745,	. . . 5564, 5568, 5569	
1695, 1772, 1809,		10834, 12676,	\endbidi@tabular@RTLcases	
1823, 1902, 2074,		12679, 12682,	. 23432, 23440, 23447	
2106, 2543, 2558,		12741, 12744,	\endcsname . 8, 44, 58,	
2573, 2621, 2627,		12896, 14142,	74, 166, 168, 203,	
2633, 2639, 2716,		14160, 14262,	247, 261, 276, 333,	
2719, 2730, 2746,		14278, 14369,	334, 383, 1369,	
2753, 2767, 2770,		15114, 16675,	2130, 2147, 2164,	
2773, 2782, 2785,		17391, 18094,	2180, 2196, 2212,	
2855, 2869, 2920,		18102, 18105,	2245, 2271, 2297,	
2927, 2969, 2978,		18175, 18178,	3926, 3927, 3941,	
2984, 2985, 3019,		18233, 18241,	3942, 3968, 3971,	
3020, 3021, 3029,		18244, 18321,	3974, 3990, 3998,	
3039, 3050, 3067,		18324, 18329,	4006, 4061, 4348,	
3077, 3078, 3079,		18330, 18331,	4351, 4354, 4356,	
3103, 3104, 3105,		18488, 18491,	4359, 4361, 4364,	
3115, 3125, 3135,		18494, 18566,	4372, 4373, 4378,	
3146, 3161, 3171,		18675, 18678,	4386, 4387, 4389,	
3172, 3173, 3188,		18681, 18746,	4391, 4393, 4396,	
3197, 3216, 3235,		18749, 18846,	4397, 4402, 4403,	
3237, 3709, 3858,		18889, 19075,	4432, 4433, 4456,	



4457, 4484, 4512,	11245,	11271,	17292,	17306,
4516, 4526, 4534,	11284,	11296,	18981,	18985,
4542, 4550, 4552,	11334,	11343,	18989,	19072,
4554, 4558, 4559,	11352,	11377,	19296,	19614,
4616, 4622, 4623,	11389,	11400,	19616,	19618,
4665, 4675, 4681,	11437,	11447,	19621,	19627,
4682, 4684, 4685,	11457,	11483,	19635,	19637,
4687, 4688, 4690,	11496,	11508,	19639,	19645,
4692, 4694, 4696,	11546,	11556,	19647,	19720,
4898, 4899, 4901,	11566,	11592,	19724,	19728,
4902, 4905, 4906,	11605,	11617,	19812,	20036,
4915, 4916, 4950,	11655,	11665,	20376,	20378,
4951, 4973, 4974,	11675,	11701,	20380,	20383,
5029, 5030, 5031,	11714,	11726,	20389,	20397,
5032, 5038, 5039,	11764,	11774,	20399,	20402,
5040, 5041, 5124,	11784,	11810,	20408,	20410,
5125, 5128, 5129,	11823,	11835,	20493,	20497,
5194, 5365, 5366,	11873,	11883,	20501,	20585,
5368, 5379, 5380,	11893,	11919,	20809,	21141,
5382, 5393, 5403,	11932,	11944,	21143,	21145,
5412, 5413, 5414,	11982,	11992,	21148,	21154,
5415, 5425, 5438,	12002,	12028,	21162,	21164,
5462, 5467, 5471,	12041,	12053,	21167,	21173,
5487, 5505, 5507,	12091,	12101,	21175,	21325,
5515, 5517, 5526,	12111,	12137,	21351,	21353,
5527, 5607, 5611,	12150,	12162,	21385,	21407,
5644, 5646, 5657,	12357,	12369,	21409,	21425,
5658, 5672, 5680,	12381,	12418,	21426,	21446,
5682, 5709, 5730,	12432,	12446,	21453,	21666,
5767, 5768, 5769,	12763,	12916,	21929,	21930,
5785, 5786, 5787,	12918,	12922,	21946,	21947,
5788, 5890, 5893,	12924,	13028,	21948,	21955,
5898, 5914, 5917,	13029,	13030,	21957,	21958,
5919, 5929, 5932,	13031,	13033,	22011,	22012,
5934, 5941, 5945,	13035,	13036,	22170,	22171,
5946, 5951, 5960,	13037,	13038,	22275,	22300,
5961, 5977, 5980,	13040,	13041,	22327,	22331,
5994, 6006, 6038,	13042,	13099,	22335,	22392,
6049, 6134, 6136,	13123,	13141,	22444,	22447,
6174, 6176, 6182,	13227,	13236,	22461,	22477,
6225, 6365, 6386,	13259,	13276,	22478,	22494,
6737, 6738, 6745,	13292,	13320,	22501,	22506,
6746, 7338, 7356,	13334,	13348,	22524,	22525,
7374, 7405, 7434,	13395,	13410,	22537,	22538,
7463, 7705, 8231,	14376,	14379,	22593,	22648,
8259, 8262, 8265,	14381,	14385,	22650,	22652,
8279, 8286, 8293,	14389,	14403,	22668,	22671,
8301, 8302, 8340,	14414,	14425,	22677,	22679,
8365, 8366, 9148,	14625,	14656,	22682,	22686,
9154, 9162, 9169,	14687,	15066,	22691,	22695,
10934, 10948,	15169,	15172,	22699,	22713,
10962, 10974,	15602,	15668,	22717,	22720,
10985, 10996,	16660,	16661,	22724,	22729,
11225, 11235,	16668,	17282,	22733,	22738,



22740,	22741,	8295, 8353, 8442,	\endL 183,	
22744,	22748,	8465, 8619, 8642,	1496, 1890, 2653,	
22791,	22792,	8856, 8906, 8921,	2665, 2677, 3401,	
22794,	22796,	9127, 9387, 9446,	3678, 4310, 9131,	
22801,	22803,	10284,	9140, 9141, 9150,	
22805,	22809,	10492,	9156, 9175, 12782,	
22812,	22813,	10615,	12895,	12909,
22816,	22817,	10761,	13071,	13908,
22826,	22828,	12340,	13916,	13935,
22830,	22834,	12612,	13945,	13960,
22838,	22839,	12839,	13981,	14769,
22892,	22894,	12963,	15348,	17533,
22896,	22900,	13229,	17538,	17679,
22920,	22921,	13397,	17698,	17807,
22929,	22933,	13498,	18943,	18954,
22937,	22941,	13570,	18961,	18971,
22945,	22949,	13768,	21503,	23220,
22953,	22957,	13961,	23221,	23260,
22995,	22996,	14405,	23264,	23317,
22998,	23001,	14427,	23328,	23347,
23002,	23006,	14539,	23993, 24068, 24084	
23470,	23535,	14602,	\endlist 96,	
23621,	23682,	14666,	299, 589, 721, 952,	
23695, 23697, 24167		14926,	984, 1234, 2388,	
\enddocument . . . 5318,		15075,	7730, 7738, 7743,	
5324, 5331, 5348		15174,	8492, 8680, 8992,	
\endflushleft . 3880, 3888		15381,	10551,	10825,
\endgraf 15764, 15780,		16551,	12659,	15030,
19579, 20341, 21106		16769,	17277,	18049,
\endgroup 17,		17073,	18443,	18640,
127, 212, 310, 317,		17081,	18843,	19395,
380, 396, 470, 522,		17519,	20156, 20921, 21629	
536, 674, 696, 821,		17526,	\endlooprepeat	
898, 918, 1073,		17534,	. . . 5772, 5801, 5808	
1157, 1180, 1323,		17808,	\endLTR 17718, 23371, 23379	
1492, 2044, 2247,		18017,	\endMakeFramed . . . 13512	
2273, 2299, 3754,		18290,	\endmath 9025	
3992, 4000, 4008,		18389,	\endmdf@lrbox 15904	
4384, 4423, 4442,		18581,	\endminipage	
4466, 4674, 4699,		18716,	. 11150, 13372, 21507	
5054, 5073, 5118,		18781,	\endmodernpoem 8366	
5140, 5150, 5167,		19293,	\endmulticols 17144	
5220, 5293, 5429,		19448,	\endpgfpicture . . . 17487	
5635, 5637, 5673,		20033,	\endpspicture 17772	
5678, 5687, 5845,		20209,	\endR 181,	
5889, 5913, 5928,		20600,	336, 348, 382, 406,	
5999, 6011, 6023,		20806,	1367, 1368, 1485,	
6043, 6054, 6065,		20974,	2769, 3963, 3964,	
6229, 6328, 6338,		21552,	9033, 9120, 9136,	
6378, 6747, 7174,		22151,	9141, 9143, 9175,	
7176, 7407, 7436,		22265,	10255,	11191,
7465, 7842, 7859,		22774,	11195,	12914,
7875, 7886, 7926,		23212,	13905,	13910,
8245, 8281, 8288,		23245,	13967,	14006,
		23288,		
		23307,		
		23430,		
		23765,		
		23808, 24014, 24024		



14013,	14382,	\enskip 22887, 22912	\ERROR 23706
14390,	14772,	\enspace 308, 17544, 17546	\escapechar 4412, 4504,
14808,	14840,	\ensuremath 3296	4509, 4699, 5454,
14869,	14895,	\env@RTLcases 23445, 23449	5459, 5461, 5463, 5476
14905,	14908,	\EQ 10319, 10325, 10326,	\ESO@isMEMOIR 10260
15105,	15348,	10330, 10331,	\ESO@tempdima . 10265,
15758,	15819,	10340, 10341,	10266, 10267,
15822,	15858,	10343, 10345,	10269, 10273,
15949,	15957,	10346, 10348,	10275, 10276,
16148,	16474,	10349, 10350,	10277, 10282,
16638,	16640,	10351, 10353,	10289, 10293,
17548,	17680,	10354, 10355,	10295, 10299,
17688,	17767,	10367, 10370,	10301, 10305, 10312
17768,	17769,	10372, 10374,	\ESO@tempdimb
18939,	18949,	10375, 10377,	. . 10280, 10282,
18958,	18967,	10380, 10382,	10307, 10308,
19461,	20222,	10384, 10385,	10309, 10310, 10312
20987,	21323,	10387, 10388,	\evenpage . 3715, 3718,
21324,	21349,	10390, 10393,	3719, 3720, 3722,
21355,	21502,	10394, 10395,	3723, 3724, 3725, 3727
23217,	23221,	10398, 10401,	\evensidemargin . . .
23223,	23317,	10409, 10416,	. . . 3739, 10293,
23329,	23337,	10424, 10431,	10301, 14054,
23440,	23585,	10433, 10436,	14059, 14067,
23588,	23591,	10440, 10441,	19097, 19837,
23608,	23619,	10442, 10443,	20610, 24034, 24042
23620,	23993,	10455, 10457, 10458	\everycr 15754
24006,	24008,	\eq@addpunct 9030	\everydisplay 8995
24068,	24084,	\EQ@box 9035, 9041	\everyhbox . . . 17682,
24103, 24106, 24114		\eq@group 8998, 9007	17684, 17692,
\endrotate 18948		\eq@GRP@first@dmath 9007	17694, 23331,
\endRTL 17720, 23381, 23389		\eq@if . . . 4507, 4508, 4510	23333, 23341, 23343
\ends@math 9025		\eq@isIntertext . . . 9045	\everyjob 3294,
\endsideways 18966		\eq@prelim . . . 8998, 9015	3295, 3621, 3622
\endsidewaysfigure 18886		\eq@setnumber 9001	\everymath 346
\endsidewaystable 18887		\eq@setup@a 9003	\everypar 520,
\endstabular 21323, 21325		\eq@startup 9004	672, 916, 1155,
\endstrip 16882		\eq@wdCond 9022	7020, 7064, 7108,
\endtabular . 382, 383,		\eqnewif 3322,	8441, 8618, 8905,
1368, 1369, 3963,		3323, 3328, 3340, 4503	10760, 12596,
21349, 21351,		\eqno 327, 17763,	12790, 17674,
21435, 23619, 23621		17765, 24109, 24111	17678, 17886,
\endtabularx		\eqnumform 9033	17993, 18365,
. 21386, 21415, 21426		\eqstyle 9000	18580, 18765,
\endtcbl@rbox 21507, 21508		\equal 4275,	21724, 21728,
\endtcbl@savebox . . 21508		4292, 4296, 4300,	22263, 23323,
\endtcbl@vbox 21518		6568, 6602, 6613,	23327, 23373,
\endttitlepage . . 631,		6645, 6646, 6662,	23383, 23910, 23954
938, 1190, 8474,		6703, 6961, 7203,	\everyvbox 1371,
8662, 17953, 18403		7204, 7222, 7223,	1372, 17702,
\endtraditionalpoem 8302		7241, 7242, 7273,	17704, 17710,
\endtrivlist 12910		7274, 9946, 13019	17712, 23351,
\endturn 18938		\errmessage	23353, 23360, 23362
\endwindow 17550		. . 3368, 3653, 16970	\ExecuteDoHook 18994,



19016, 19733,	4682, 4684, 4685,	13104, 13125,
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21325,	21351,	\extrafeetendminihook		\fb@put@frame . 13515,	
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21412,	21414,	\extrafeetinshook .		13545, 13603, 13620	
21425,	21426,	11108, 11109	\fb@resto@set	
21434,	21438,	\extrafeetminihook 11122		. 13555, 13595, 13599	
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23005,	23230,			\FeetBelowFloat . .	12578
23242,	23245,			\FeetBelowRagged . .	
23253,	23254,			12580, 12582

23273,	23285,
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23682,	23694,
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\extrafeetinshook .	
.	11108, 11109
\extrafeetminihook 11122	
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F	
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\f@nch@head	12792
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\f@nch@vbox . 12793, 12799	
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\FamilyKeyStateProcessed	
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8005, 8016, 8017, 8018	
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15700,	15706,	17289,	17294,	18014,	18020,
15708,	15711,	17301,	17311,	18035,	18056,
15720,	15721,	17312,	17315,	18058,	18060,
15736,	15758,	17316,	17317,	18074,	18084,
15763,	15771,	17322,	17327,	18093,	18101,
15814,	15815,	17331,	17337,	18125,	18127,
15819,	15820,	17343,	17348,	18142,	18147,
15822,	15827,	17351,	17357,	18181,	18188,
15834,	15844,	17376,	17389,	18197,	18213,
15851,	15858,	17390,	17422,	18223,	18232,
15866,	15870,	17440,	17454,	18240,	18266,
15903,	15925,	17462,	17463,	18268,	18283,
15949,	15957,	17467,	17475,	18288,	18330,
16148,	16474,	17490,	17498,	18331,	18333,
16542,	16546,	17533,	17548,	18336,	18342,
16549,	16554,	17549,	17567,	18343,	18348,
16555,	16556,	17571,	17578,	18351,	18359,
16557,	16558,	17579,	17581,	18367,	18374,
16559,	16571,	17583,	17584,	18375,	18382,
16585,	16588,	17585,	17591,	18385,	18386,
16594,	16598,	17616,	17618,	18392,	18396,
16599,	16620,	17629,	17640,	18409,	18412,
16621,	16622,	17647,	17653,	18413,	18414,
16627,	16638,	17655,	17658,	18421,	18423,
16640,	16644,	17659,	17673,	18425,	18429,
16654,	16666,	17727,	17728,	18458,	18527,
16673,	16695,	17731,	17735,	18532,	18568,
16702,	16705,	17736,	17739,	18574,	18582,
16726,	16736,	17744,	17745,	18589,	18592,
16766,	16772,	17750,	17765,	18593,	18597,
16773,	16795,	17766,	17767,	18598,	18599,
16802,	16805,	17768,	17769,	18610,	18612,
16826,	16836,	17771,	17774,	18614,	18623,
16863,	16869,	17782,	17793,	18647,	18656,
16870,	16875,	17798,	17803,	18709,	18714,
16895,	16905,	17806,	17807,	18752,	18759,
16906,	16911,	17814,	17816,	18767,	18774,
16912,	16918,	17820,	17822,	18777,	18778,
16922,	16923,	17831,	17833,	18782,	18792,
16926,	16930,	17835,	17844,	18794,	18796,
16935,	16938,	17846,	17848,	18805,	18810,
16942,	16947,	17857,	17859,	18817,	18826,
16951,	16959,	17861,	17870,	18860,	18864,



18874,	18905,	19917,	19918,	20857,	20860,
18910,	18911,	19929,	19937,	20871,	20875,
18922,	18923,	19944,	19945,	20882,	20899,
18937,	18939,	19953,	19954,	20920,	20927,
18943,	18947,	19965,	19972,	20930,	20931,
18949,	18954,	19979,	19989,	20932,	20934,
18958,	18961,	19992,	19994,	20970,	20973,
18965,	18967,	19999,	20003,	20984,	20988,
18971,	19000,	20006,	20008,	20999,	21005,
19008,	19009,	20013,	20015,	21081,	21082,
19033,	19046,	20018,	20021,	21083,	21100,
19048,	19053,	20023,	20028,	21111,	21129,
19060,	19067,	20030,	20031,	21135,	21159,
19079,	19113,	20034,	20065,	21253,	21256,
19127,	19129,	20068,	20069,	21298,	21314,
19136,	19138,	20072,	20075,	21319,	21323,
19144,	19150,	20088,	20091,	21324,	21341,
19153,	19177,	20094,	20097,	21349,	21355,
19178,	19189,	20106,	20110,	21362,	21369,
19197,	19204,	20117,	20134,	21375,	21380,
19205,	19213,	20155,	20162,	21411,	21468,
19214,	19225,	20165,	20166,	21469,	21485,
19232,	19239,	20167,	20169,	21486,	21502,
19249,	19252,	20205,	20208,	21540,	21547,
19254,	19259,	20219,	20223,	21549,	21564,
19263,	19266,	20234,	20240,	21575,	21578,
19268,	19273,	20316,	20317,	21585,	21586,
19275,	19278,	20318,	20335,	21587,	21592,
19281,	19283,	20346,	20364,	21596,	21597,
19288,	19290,	20370,	20394,	21612,	21635,
19291,	19294,	20512,	20520,	21642,	21660,
19325,	19328,	20521,	20545,	21661,	21677,
19329,	19330,	20559,	20561,	21678,	21679,
19346,	19349,	20566,	20573,	21683,	21684,
19356,	19373,	20580,	20592,	21693,	21697,
19394,	19401,	20626,	20640,	21698,	21699,
19404,	19405,	20642,	20649,	21705,	21708,
19406,	19408,	20651,	20657,	21709,	21710,
19444,	19447,	20663,	20666,	21718,	21729,
19458,	19462,	20690,	20691,	21730,	21732,
19473,	19479,	20702,	20710,	21733,	21739,
19555,	19556,	20717,	20718,	21740,	21741,
19557,	19573,	20726,	20727,	21749,	21752,
19584,	19602,	20738,	20745,	21753,	21761,
19608,	19632,	20752,	20762,	21762,	21763,
19739,	19747,	20765,	20767,	21764,	21772,
19748,	19772,	20772,	20776,	21775,	21779,
19786,	19788,	20779,	20781,	21780,	21781,
19793,	19800,	20786,	20788,	21789,	21792,
19807,	19819,	20791,	20794,	21796,	21797,
19853,	19867,	20796,	20801,	21798,	21806,
19869,	19876,	20803,	20804,	21809,	21813,
19878,	19884,	20807,	20838,	21814,	21815,
19890,	19893,	20841,	20842,	21823,	21826,



21830,	21831,	23039,	23044,	23639,	23640,
21832,	21840,	23050,	23052,	23648,	23649,
21843,	21847,	23059,	23062,	23652,	23653,
21848,	21849,	23075,	23084,	23654,	23655,
21857,	21860,	23097,	23100,	23656,	23662,
21865,	21866,	23111,	23117,	23667,	23675,
21867,	21875,	23118,	23124,	23692,	23698,
21878,	21884,	23129,	23132,	23700,	23707,
21885,	21886,	23146,	23151,	23717,	23719,
21894,	21897,	23154,	23155,	23739,	23763,
21904,	21905,	23156,	23157,	23766,	23786,
21906,	21914,	23161,	23164,	23806,	23809,
21917,	21931,	23166,	23172,	23812,	23830,
21939,	21940,	23173,	23187,	23845,	23863,
21941,	21949,	23197,	23198,	23865,	23874,
21952,	21974,	23205,	23210,	23883,	23918,
21989,	21990,	23213,	23216,	23927,	23959,
21991,	22132,	23217,	23220,	23962,	23963,
22152,	22244,	23221,	23223,	23964,	23965,
22261,	22264,	23232,	23233,	23966,	23974,
22266,	22302,	23237,	23243,	23988,	23992,
22303,	22305,	23249,	23250,	23993,	23997,
22307,	22337,	23251,	23254,	24005,	24006,
22338,	22339,	23260,	23264,	24007,	24008,
22346,	22362,	23275,	23276,	24009,	24030,
22378,	22401,	23280,	23286,	24037,	24043,
22449,	22450,	23298,	23299,	24044,	24045,
22773,	22775,	23300,	23303,	24046,	24048,
22782,	22784,	23317,	23322,	24049,	24050,
22797,	22798,	23368,	23369,	24068,	24084,
22799,	22806,	23377,	23387,	24103,	24106,
22810,	22815,	23396,	23397,	24107,	24111,
22819,	22825,	23400,	23404,	24112,	24114,
22831,	22835,	23405,	23440,	24122,	24124,
22841,	22844,	23466,	23485,	24233,	24239, 24245
22846,	22847,	23493,	23499,	\figcaption .	14134, 14152
22848,	22851,	23505,	23513,	\fill	7943, 7947,
22854,	22857,	23520,	23521,	14169,	14364,
22858,	22867,	23522,	23528,	15706,	15708, 15710
22873,	22882,	23533,	23536,	\filright . .	21527, 21556
22883,	22891,	23544,	23545,	\FirstFrameCommand	
22897,	22901,	23553,	23554,	. . . . .	13503, 13549
22904,	22905,	23562,	23563,	\firstmark	9343,
22916,	22917,	23571,	23572,	9406,	12820,
22927,	22928,	23580,	23581,	12856,	13013,
22932,	22936,	23582,	23583,	13689,	13738,
22940,	22944,	23586,	23589,	16693,	16793,
22948,	22952,	23592,	23595,	23737,	23784, 24095
22956,	22960,	23596,	23597,	\firstname	4210
22964,	22969,	23598,	23600,	\firstnamecolour . .	
22977,	22980,	23602,	23603,	. . .	4179, 9784, 9880
22987,	22988,	23610,	23613,	\firstnamefont	
22992,	22999,	23615,	23619,	. . . .	4188, 4196,
23022,	23028,	23620,	23623,	9822, 9823, 9914, 9917	



\firstnamestyle 4196, 9834, 9924, 9945	\foo 17445, 17447, 17457, 17459	\footersymbol 9841, 9842, 9857, 9858, 9859, 9860
\fivecolumnfootnotes 11523	\footdir@abspage 13116, 13119, 13120, 13123, 13124, 13127	\footfootmark 10909, 11034, 11257, 11363, 11469, 11578, 11687, 11796, 11905, 12014, 12123, 12390, 13444
\Fld@width ... 14954, 14962, 14970, 14978	\footdir@debug 13088, 13096, 13100, 13103, 13113, 13120, 13124, 13127	\footfudgefactor 12188, 12277, 12339
\flnew@within 12921	\footdir@debugfalse 3477	\footins 35, 49, 65, 238, 252, 267, 9996, 10017, 10021, 10022, 10033, 10036, 10040, 10064, 10070, 10078, 10079, 10090, 10093, 10097, 10116, 10122, 10926, 10940, 10954, 11114, 11173, 12498, 12507, 12530, 12534, 12543, 12547, 12553, 12568, 13250, 13267, 13283, 13673, 13674, 13722, 13723, 13776, 13777, 13778, 13779, 13799, 13808, 13810, 13819, 13840, 13858, 13861, 17741, 17742, 17744, 23817, 23823, 23827, 23832, 23850, 23854
\float@newx 12915	\footdir@debugtrue 3475, 13086	\footnotetext 79
\floatalignment 6572, 6573, 6614, 6615, 6637, 6644, 6652, 6703, 6914	\footdir@fntext 13134, 13151, 13153	\footnotetext 81
\FloatBarrier . 6544, 6894	\footdir@LeftRightElse .. 13094, 13110, 13187	\footnotetext 80
\floatc@bidiutfefloatplain 6912, 6922, 6929, 6935, 6943	\footdir@name 13137, 13140, 13141	\footnotetext 282
\floatc@bidiutfefloatplain 6929	\footdir@ORG@bidi@amsart@LTRfootnotetext 81	\footnotetext 284
\floatc@bidiutfefloatplain 6930	\footdir@ORG@bidi@amsart@RTLfootnotetext 80	\footnotetext 283
\floatc@plain 12912	\footdir@ORG@bidi@amsart@LTRfootnotetext 81	\footnotetext 222
\floatingpenalty 41, 55, 71, 244, 258, 273, 9996, 10017, 10064, 10071, 10116, 10123, 11117, 13256, 13273, 13289	\footdir@ORG@bidi@amsart@RTLfootnotetext 80	\footnotetext 224
\floatstyle 6963	\footdir@ORG@bidi@amsbook@LTRfootnotetext 284	\footnotetext 223
\flushleft ... 3877, 3886	\footdir@ORG@bidi@amsbook@RTLfootnotetext 283	\footnotetext 13307
\FN@sf@@footnote 3904, 3908	\footdir@ORG@bidi@beamer@footnotetext 2222	\footnotetext 13309
\FN@sf@@footnotemark 3933, 3935	\footdir@ORG@bidi@beamer@LTRfootnotetext 2224	\footnotetext 13308
\FN@sf@@LTRfootnote 3905, 3914	\footdir@ORG@bidi@beamer@RTLfootnotetext 2223	\footnotetext 79, 80, 81, 282, 283, 284, 2222, 2223, 2224, 13146, 13307, 13308, 13309
\FN@sf@@RTLfootnote 3906, 3920	\footdir@ORG@bidi@footnotetext 13307	\footnotetext 13087, 13154, 13155, 13156, 13160
\FN@sf@gobble@bracket 3944, 3947	\footdir@ORG@bidi@LTRfootnotetext 13309	\footnotetext 13081, 13111, 13150
\FN@sf@gobble@opt 3910, 3916, 3922, 3925	\footdir@ORG@bidi@RTLfootnotetext 13308	\footnotetext 11086, 11094, 11180, 11181, 12239, 12240, 12268, 12270,
\FN@sf@gobble@optonly 3937, 3940	\footdir@temp ... 79, 80, 81, 282, 283, 284, 2222, 2223, 2224, 13146, 13307, 13308, 13309	\footnotetext 11113, 11114, 11178, 11208, 11317, 11420, 11529, 11638, 11747, 11856, 11965, 12074, 12233, 12239, 12291, 12297
\FN@sf@gobble@twobracket 3929, 3932	\footdir@toks 13087, 13154, 13155, 13156, 13160	\footinsv@l 11086, 11094, 11180, 11181, 12239, 12240, 12268, 12270,
\font 21265, 21266	\footdir@write 13081, 13111, 13150	
\fontdimen . 21265, 21266		
\fontsize 303, 7898, 7900, 7902, 9822, 9914, 15054, 17374, 17387		



12297, 12298,	13445, 13446,	10922, 11118,
12330, 12332,	13448, 13450,	12258, 12320,
12349, 12363,	13453, 13457,	13255, 13263,
17099, 17100,	13458, 13460,	13272, 13280,
17107, 17108,	13462, 13465,	13288, 13296,
17112, 17113,	13469, 13470,	13323, 13337,
17127, 17174, 17175	13472, 13474, 13477	13351, 15049, 15051
\footinsv@r	\footnote 417, 491, 741,	\footnotesize . . . 38,
. . 11085, 11175,	840, 993, 1092,	52, 68, 106, 226,
11176, 11177,	1243, 1343, 2226,	241, 255, 270, 413,
11178, 11208,	3904, 3907, 7480,	737, 989, 1239,
11209, 11220,	7799, 7830, 8521,	4288, 4310, 6452,
11230, 11240,	8698, 8803, 8877,	6453, 6491, 7110,
11317, 11318,	10566, 10634,	7111, 7112, 7304,
11329, 11338,	10659, 10733,	7334, 7352, 7370,
11347, 11420,	12666, 12734,	8517, 8694, 8799,
11421, 11432,	16589, 16592,	10562, 10655,
11442, 11452,	18069, 18168,	11110, 11111,
11529, 11530,	18206, 18312,	11112, 12662,
11541, 11551,	18466, 18554,	13246, 13247,
11561, 11638,	18663, 18737,	13248, 13253,
11639, 11650,	19118, 19858, 20631	13270, 13286,
11660, 11670,	\footnotelayout . . .	13316, 13330,
11747, 11748,	. . . 7298, 7299, 7302	13344, 15041,
11759, 11769,	\footnotemark	17544, 17546,
11779, 11856,	3933, 3934, 13385,	18065, 18202,
11857, 11868,	13399, 16590, 16593	18462, 18659,
11878, 11888,	\footnoterule . . 9975,	19114, 19854, 20627
11965, 11966,	10037, 10043,	\footnotetext . . 3968,
11977, 11987,	10048, 10076,	3979, 8259, 8269
11997, 12074,	10077, 10094,	\footrule 12799
12075, 12086,	10098, 10102,	\footrulewidth 4158, 6773
12096, 12106,	10128, 10129,	\footscript
12233, 12234,	10901, 11130,	. . 11031, 11037,
12264, 12266,	11138, 11159,	11041, 11043,
12291, 12292,	11174, 12500,	13447, 13451, 13453
12326, 12328,	12533, 12546,	\footskip 12799, 19104,
12347, 12375,	13078, 13175,	19844, 20617, 24081
17095, 17096,	13179, 13182,	\foottextfont . 10910,
17103, 17104,	13197, 13202,	10930, 10972,
17110, 17111,	13203, 13205,	11110, 11203,
17126, 17170, 17171	13861, 13894,	11222, 11257,
\footmarkstyle	17035, 17743,	11268, 11312,
. 11031, 11070	21519, 23826, 23853	11331, 11363,
\footmarkwidth	\footnotes 7295	11374, 11415,
. . 11030, 11035,	\footnotesep . . 29, 31,	11434, 11469,
11036, 11038,	40, 46, 54, 60, 70,	11480, 11524,
11040, 11043,	76, 233, 235, 243,	11543, 11578,
11047, 11048,	249, 257, 263, 272,	11589, 11633,
11050, 11052,	278, 2133, 2150,	11652, 11687,
11055, 11059,	2167, 2183, 2199,	11698, 11742,
11060, 11062,	2215, 9993, 10014,	11761, 11796,
11064, 11067,	10039, 10096,	11807, 11851,
11074, 11077,	10910, 10916,	11870, 11905,



11916, 11960,	19069, 19799,	16249, 16251,
11979, 12014,	19802, 19806,	16252, 16262,
12025, 12069,	19809, 20572,	16270, 16271,
12088, 12123,	20575, 20579, 20582	16272, 16274,
12134, 12193,	\ftn@rule@test@values	16279, 16280,
12228, 12257,	..... 19058,	16285, 16286,
12282, 12319,	19065, 19798,	16290, 16295,
12354, 12390, 12415	19805, 20571, 20578	16298, 16305,
\forcerectofloat .. 6575	\ftn@rule@width 19062,	16307, 16310,
\forceversofloat .. 6576	19069, 19802,	16311, 16315,
\forvariable	19809, 20575, 20582	16317, 16318,
5735, 5741, 5817,	\ftnm@font	16321, 16322,
5853, 5860, 5865,	. 19054, 19794, 20567	16323, 16327,
5871, 5876, 5880, 5881	\full@width	16328, 16332,
\fourcolumnfootnotes	. 16962, 16974, 17022	16333, 16340,
..... 11414	\futurelet 790,	16355, 16356,
\fp 16246,	792, 1042, 1044,	16357, 16359,
16247, 16248, 16249	1292, 1294, 4477,	16364, 16367,
\fps@figure 14122	5535, 5538, 18118,	16368, 16371,
\framebox 9832,	18120, 18259, 18261	16375, 16376,
9963, 16904, 16910		16377, 16381,
\FrameCommand 13501	G	16382, 16383,
\FrameHeightAdjust 13575	\g 10338, 10340, 10344,	16390, 16391,
\FrameRestore . 13509,	10437, 15944,	16392, 16394,
13513, 13629, 13630	15949, 15951,	16395, 16398,
\framewidth	15957, 15959,	16399, 16404,
... 2122, 2139, 2156	16002, 16006,	16410, 16421,
\fromaddress	16007, 16053,	16426, 16427,
.. 10827, 10833,	16057, 16058,	16428, 16432,
10843, 15107, 15113	16075, 16076,	16435, 16436,
\fromname 10848	16113, 16129,	16437, 16438,
\fromsig ... 10847, 10849	16132, 16138,	16440, 16448,
\fromvalue 5735,	16139, 16140,	16462, 16463,
5821, 5844, 5866, 5881	16141, 16142,	16464, 16465,
\frontmatter 7997	16151, 16152,	16467, 16470,
\fs@bidituftefloatboxed	16154, 16156,	16478, 16479,
..... 6941	16157, 16158,	16482, 16486,
\fs@bidituftefloatplain	16165, 16166,	16487, 16489,
..... 6920, 6928	16171, 16177,	16491, 16492,
\fs@bidituftefloatplaintop	16186, 16189,	16493, 16497,
..... 6928	16197, 16198,	16498, 16499,
\fs@bidituftefloatrul	16201, 16202,	16504, 16511,
..... 6933	16203, 16204,	17397, 17405, 17408
\fslice . 17561, 17562,	16205, 16206,	\g@addto@macro
17564, 17565, 17568	16208, 16211,	.... 5980, 6224,
\ftn@amount ... 13777,	16212, 16214,	6309, 6319, 6570,
13778, 13779,	16217, 16219,	7256, 7258, 10367,
13786, 13790, 13791	16222, 16227,	10370, 10372,
\ftn@font 19015,	16235, 16236,	15836, 22675, 23000
19051, 19754,	16238, 16239,	\g@mix@page@int .. 16384
19791, 20527, 20564	16240, 16241,	\gdef 406, 408,
\ftn@rule@height ..	16242, 16243,	3807, 4179, 4180,
..... 19059,	16244, 16246,	4181, 4182, 4183,
19062, 19066,	16247, 16248,	4184, 4186, 4187,



4348, 4372, 4692,	\Gin@ury 13943	5840, 6439, 6573,
5413, 5499, 5501,	\Gin@graphics	6617, 6618, 6990,
5511, 5513, 5830, 13944, 13956	7001, 7004, 7034,
5832, 5833, 6303,	\Gin@path 16144	7045, 7048, 7078,
6314, 6588, 6589,	\global 301,	7089, 7092, 7146,
6591, 6594, 6674,	437, 438, 439, 440,	7913, 8110, 8113,
6679, 6680, 6681,	441, 442, 443, 444,	8131, 8135, 8151,
6833, 6874, 7253,	445, 446, 447, 448,	8162, 8188, 8189,
7391, 7420, 7449,	466, 472, 473, 474,	8216, 8229, 8230,
7488, 7497, 7506,	475, 476, 477, 478,	8250, 8260, 8263,
7835, 7852, 7868,	479, 480, 481, 482,	8266, 8269, 8272,
7880, 7920, 7921,	483, 484, 519, 520,	8275, 8307, 8317,
7922, 8109, 8112,	671, 672, 779, 780,	8331, 8333, 8338,
8367, 8379, 8381,	781, 782, 783, 784,	8339, 8345, 8346,
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4203, 4257, 4264, 4269		18447, 18603,	13345, 13362,
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. 4223,		19069, 19802,	13614, 13644,
4237, 4241, 4249,		19809, 20575, 20582	13647, 13651,
4257, 4263, 4269, 4326		\hrulefill 28, 232, 544,	13654, 13655,
\hintstyle 4203		731, 965, 1211,	15350, 15354,
\hline 15714, 15716, 15722		8502, 8655, 8929,	15748, 15759,
\HLOFF 3812		10558, 10857,	15762, 15789,
\HLON 3806		12640, 13167,	15872, 15873,
\HLTR@LTrfootnotetext		15048, 15126,	15880, 15903,
. . 10882, 14400,		17084, 18030,	16639, 16643,
14431, 14508,		18453, 18607, 18789	16876, 16956,
14526, 14568,		\hsize . 41, 55, 71, 244,	16958, 16966,
14670, 14724, 14744		258, 273, 624, 931,	17002, 17006,
\HLTR@mpLTrfootnotetext		1125, 1870, 2064,	17010, 17013,
. . 10888, 14429,		2122, 2123, 2124,	17018, 17021,



	17071,	17075,		8655, 8918, 8929,		18453,	18593,
	17079,	17717,		9109, 9112, 9179,		18607,	18778,
	17719,	17887,		9350, 9357, 9361,		18789,	18867,
	17946,	18396,		9362, 9647, 9655,		18869,	18876,
	18458,	18474,		9660, 9661, 10041,		18878,	18914,
	18517,	19027,		10042,	10045,	18916,	18925,
	19038,	19040,		10055,	10056,	18927,	19013,
	19109,	19110,		10099,	10490,	19069,	19076,
	19454,	19491,		10558,	10857,	19752,	19809,
	19493,	19766,		12184,	12609,	19816,	20525,
	19778,	19780,		12640,	12825,	20582,	20589,
	19849,	19850,		12830,	12834,	21289,	21295,
	20215,	20252,		12835,	12890,	21307,	21312,
	20254,	20539,		12906,	13167,	21528,	21557,
	20551,	20553,		13747,	13754,	21718,	21749,
	20622,	20623,		13758,	13759,	21772,	21789,
	20980,	21017,		14032,	14034,	21806,	21823,
	21019,	22922,		14035,	14038,	21840,	21857,
	22925,	22930,		14043,	14046,	21875,	21894,
	22934,	22938,		14048,	14049,	21914,	21949,
	22942,	22946,		14954,	14962,	22141,	22144,
	22950,	22954,		14970,	14978,	22350,	22382,
	22958,	23178,		14987,	14995,	22857,	22904,
	23199,	23203,		15004,	15012,	22914,	22969,
	23370,	23380,		15048,	15072,	23667,	23744,
	23524,	23897,		15104,	15126,	23751,	23755,
	23941,	24102, 24106		15261,	16746,	23756,	23989,
\hskip	14, 28, 209, 232,			16753,	16757,		
	305, 309, 534, 544,			16758,	16923,	\hspace	108,
	654, 655, 694, 731,			16935,	16947,		
	882, 883, 896, 944,			17002,	17006,	109, 228, 229, 553,	
	965, 1137, 1138,			17010,	17013,	2745, 2752, 4258,	
	1178, 1211, 1358,			17014,	17018,	4263, 4269, 6689,	
	1411, 1412, 1450,			17021,	17022,	6696, 6918, 7596,	
	1474, 1477, 1570,			17084,	17187,	7597, 7603, 7604,	
	1574, 1600, 1607,			17190,	17192,	7610, 7611, 7617,	
	1623, 1630, 1644,			17195,	17197,	7618, 7745, 7771,	
	1651, 1665, 1672,			17199,	17202,	7772, 9963, 10136,	
	1912, 1914, 1916,			17204,	17206,	10139,	10143,
	1918, 1921, 1979,			17208,	17211,	10145,	10150,
	1982, 1990, 2013,			17213,	17215,	10152,	10156,
	2020, 2059, 2068,			17217,	17219,	10159,	10162,
	2089, 2098, 2437,			17222,	17224,	10166,	10168,
	2806, 2843, 2848,			17227,	17229,	10172,	10174,
	2884, 2891, 2903,			17232,	17234,	10178,	10181,
	2958, 2986, 2989,			17236,	17239,	10184,	10188,
	3124, 3134, 3209,			17241,	17243,	10190,	10195,
	3210, 3213, 3228,			17246,	17248,	10197,	10510,
	3229, 3232, 4340,			17250,	17264,	10844,	11038,
	7653, 8093, 8137,			17506,	17513,	11050,	11062,
	8138, 8141, 8143,			17976,	17977,	13448,	13460,
	8144, 8147, 8424,			18014,	18030,	13472,	14169,
	8425, 8462, 8502,			18329,	18348,	14185,	14198,
	8601, 8602, 8639,			18349,	18386,	14210,	14223,
						14232,	14240,



14285,	14294,	16752,	16756,	11407,	11412,
14302,	14315,	16848,	16854,	11516,	11521,
14328,	14340,	16992,	16993,	11625,	11630,
14364,	15043,	17003,	17004,	11734,	11739,
15044,	19426,	17520,	17530,	11843,	11848,
19435,	19531,	17756,	17767,	11952,	11957,
19541,	19544,	17768,	17769,	12061,	12066,
19546,	20187,	17990,	18015,	12170,	12175,
20196,	20292,	18362,	18387,	12188,	12259,
20302,	20305,	18478,	18521,	12321,	12774,
20307,	20952,	18577,	18594,	13534,	13541,
20961,	21057,	18703,	18762,	13558,	13565,
21067,	21070,	18779,	19015,	13566,	13579,
21072,	21252,	19051,	19576,	13583,	13606,
21253,	21534,	19586,	19754,	13777,	13782,
21546,	24227,	19791,	20338,	13924,	13925,
24231,	24236,	20348,	20527,	13927,	13970,
24238,	24242, 24244	20564,	21103,	13971,	13973,
\hss	457, 516, 535,	21113,	21301,	14106,	15187,
	668, 695, 897, 912,	22148,	22257,	15204,	15723,
	1151, 1179, 1905,	23183,	23185,	15776,	15791,
	2317, 2339, 2845,	23190,	23196,	15806,	15808,
	2846, 3407, 3682,	23416,	23534,	15809,	15901,
	3751, 7712, 8438,	23585,	23586,	15908,	15911,
	8463, 8615, 8640,	23588,	23589,	16730,	16734,
	8843, 8902, 8919,	23591,	23592,	16739,	16830,
	9180, 9356, 9360,	23597,	23598,	16834,	16839,
	9415, 9421, 9653,	23655,	23656,	16890,	16892,
	9658, 9665, 9672,	23657,	23658,	17090,	17096,
	10044,	23750,	23754,	17100,	17570,
	10099,	23793, 23799, 23993		17628,	17639,
	10324,	\ht . . .	385, 1460, 1493,	17644,	17645,
	10329,		1775, 1785, 1791,	17646,	17647,
	10335,		1804, 1892, 1972,	17651,	17666,
	10503,		1974, 1976, 1978,	17783,	17806,
	10699,		1998, 2007, 2009,	18853,	18895,
	11037,		2027, 2036, 2038,	18898,	18953,
	11049,		2970, 3397, 3674,	18960,	21329,
	11061,		9128, 9137, 9139,	21365,	21377,
	12593,		9456, 9463, 9471,	21492,	23218,
	12702,		9485, 9496, 9513,	23220,	23626,
	12833,		9515, 9518, 9520,	23969, 23979, 23983	
	12871,		9534, 9547, 9551,	\ht@hold@viper	
	13447,		9554, 9555, 9558,	. . . .	9494, 9496,
	13459,		9564, 9582, 9583,		9718, 9719, 9753, 9754
	13471,		9596, 9626, 9718,	\ht@strip	16887, 16888,
	13700,		9753, 9984, 9993,		16889, 16890,
	13753,		10005,		16891, 16894, 16896
	13931,		10022,	\ht@viper	9455,
	14035,		10034,		9461, 9462, 9485,
	15274,		10079,		9486, 9487, 9498,
	15286,		10091,		9652, 9657, 9664, 9671
	15765,		10475,	\httplink	4295
	16428,		11304,	\Huge .	7679, 8762, 8774,



8954, 8962, 10786, 10795, 12623, 12631, 18812, 18820	\huge 564, 7533, 7535, 7678, 8753, 8948, 10521, 10530, 10780, 12618, 18807, 19151, 19891, 20664	\hv@Bottom 14264	\hv@Center . . . 14168, 14179, 14219, 14281, 14309, 14362	\hv@figure . 14133, 14151	\hv@floatObject 14094, 14098	\hv@floatType . 14124, 14133, 14151, 14369	\hv@Height 14106	\hv@label 14075	\hv@Left . . . 14109, 14177	\hv@longCap 14074	\hv@Right . . 14110, 14166	\hv@shortCap 14073, 14139, 14157	\hv@Top . 14192, 14228, 14248, 14290, 14322	\hv@Width . . 14104, 14127	\hv@Zero . . . 14093, 14356	\hvAboveCaptionSkip 14272, 14275	\hvBelowCaptionSkip 14256, 14259	\hvCaptionBox . 14128, 14145, 14187, 14189, 14200, 14202, 14212, 14214, 14220, 14221, 14229, 14230, 14237, 14238, 14249, 14250, 14256, 14259, 14265, 14266, 14273, 14276, 14282, 14283, 14291, 14292, 14299, 14300, 14317, 14319, 14330, 14332, 14342, 14344	\hvCapWidth . . . 14102, 14104, 14106, 14108, 14112, 14114, 14129, 14147	\hvFloat 14076	\hvMaxCapWidth 14087, 14088, 14109, 14110, 14111, 14114	\hvObjectBox 14091, 14094, 14096, 14100, 14106, 14181, 14183, 14194, 14196, 14206, 14208, 14224, 14225, 14233, 14234, 14241, 14242, 14249, 14252, 14257, 14260, 14265, 14268, 14272, 14275, 14286, 14287, 14295, 14296, 14303, 14304, 14311, 14313, 14324, 14326, 14336, 14338	\hvObjectWidth 14100, 14104, 14108, 14109, 14110	\hvOBox 14094, 14098	\hvSet@capAngle 14127, 14146	\hvSet@capPos 14109, 14110, 14177, 14248, 14264	\hvSet@capVPos 14179, 14192, 14219, 14228, 14281, 14290, 14309, 14322	\hvSet@capWidth 14104, 14106, 14111, 14112	\hvSet@floatCapSep 14185, 14198, 14210, 14223, 14232, 14240, 14285, 14294, 14302, 14315, 14328, 14340	\hvSet@floatPos . . 14122	\hvSet@objectAngle 14093, 14097	\hvSet@objectPos . . . 14166, 14168, 14362	\hvSet@rotAngle 14087, 14356, 14359	\Hy@Acrobatmenu . . 14873	\Hy@backout 14900	\Hy@BeginAnnot 14756, 14776, 14813, 14845, 14874	\Hy@bidipoem@footnotetext 14629, 14638	\Hy@bidipoem@LTRfootnotetext 14660, 14669	\Hy@bidipoem@RTLfootnotetext 14691, 14700	\Hy@CleanupFile . . 14778	\Hy@colorlink . 14806, 14838, 14867, 14893	\Hy@endAnnot 14763, 14809, 14841, 14870, 14896	\Hy@endcolorlink . 14765	\Hy@footnote@currentHlabel . 14485, 14500, 14515	\Hy@footnote@currentHref 14447, 14450, 14458, 14461, 14469, 14472, 14480, 14483, 14486, 14495, 14498, 14501, 14510, 14513, 14516, 14559, 14597, 14630, 14661, 14692	\Hy@gtemp . . 14535, 14540	\Hy@href@nextactionraw 14802, 14834, 14863, 14889	\Hy@href@page . . . 14797	\Hy@linkcounter 10375, 10380	\Hy@linktoc 14378	\Hy@LT@currentHref 14930, 14941	\Hy@LT@LTRfootnotetext 14558, 14567	\Hy@LT@RTLfootnotetext 14596, 14605	\Hy@MakeRemoteAction 14781	\Hy@maketitle@end . . 14727, 14732, 14734	\Hy@maketitle@optarg 14725, 14730	\Hy@pstringD 14780, 14799	\Hy@pstringdef 14779, 14780, 14814, 14815, 14846
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\Hy@pstringF	\hyper@linkstart . .	9051, 9052, 13099,
.. 14777, 14778,	.. 14382, 14386,	13123, 13357,
14779, 14794,	14390, 14392,	15157, 15705,
14814, 14827, 14832	14772, 14901, 14908	15707, 15709,
\Hy@pstringP 14815, 14832	\hyper@linkurl . . . 14843	17438, 21341,
\Hy@pstringURI	\hyper@makecurrent 14929	21375, 21380,
..... 14846, 14859	\hyper@nat@current 14902	21467, 21468,
\Hy@raisedlink 14449,	\hyper@natlinkbreak	21469, 21470,
14460, 14471,	..... 14907	21471, 21472,
14482, 14497,	\hyper@natlinkend 14904	21473, 21475,
14512, 14572,	\hyper@natlinkstart	21476, 21477,
14610, 14643,	..... 14899	21478, 21479,
14674, 14705, 14942	\hyper@pageduration 1971	21482, 21483,
\Hy@saved@footnotemark	\hyper@pagetransition	21484, 23529,
..... 14717, 14736	..... 1971	23530, 23623,
\Hy@saved@footnotetext	\hyperref 13447, 13451,	23640, 23647,
..... 14718, 14739	13453, 13459,	23648, 23649,
\Hy@SetNewWindow . .	13463, 13465,	23650, 23651, 23652
..... 14801, 14829	13471, 13475, 13477	\if@allcaps 752,
\Hy@setpdfborder . .	\hypersetup 4141,	761, 769, 1004,
..... 14787,	4149, 7789, 7848, 7865	1013, 1021, 1254,
14821, 14852, 14881	\hypertarget	1263, 1271, 8532,
\Hy@tabularx@hook .	. 19420, 20181, 20946	8541, 8549, 8709,
..... 14524, 14536	\hyphenpenalty . . . 6,	8718, 8726, 18080,
\Hy@temp@menu 14875, 14888	105, 201, 225,	18089, 18097,
\Hy@xspace@end	623, 930, 1124,	18219, 18228, 18236
.. 14772, 14808,	8411, 8588, 15040,	\if@altsecnumformat
14840, 14869, 14895	15064, 17945,	. 19330, 20069, 20842
\HyLTR@saved@LTRfootnotetext	18395, 18457, 18600	\if@bib@break@ 19340,
..... 14720, 14745	\HyRTL@saved@RTLfootnotetext	19365, 19380,
\HyOrg@maketitle . .	..... 14719, 14742	19396, 20101,
. 14715, 14726, 14731		20126, 20141,
\HyOrg@TX@endtabularx	I	20157, 20866,
..... 14523	\i 5856,	20891, 20906, 20922
\hyper@@anchor 14447,	5857, 5869, 5881, 5882	\if@bibchapter . . . 21643
14450, 14458,	\ialign . . . 393, 21334,	\if@bidi@amsmathloaded@
14461, 14469,	21372, 23443, 23631	..... 15484
14472, 14480,	\IeC 15190	\if@bidi@amstextloaded@
14483, 14495,	\if 361, 362, 363,	..... 15487
14498, 14510,	365, 366, 367, 368,	\if@bidi@amsthmlloaded@
14513, 14570,	369, 372, 373, 374,	..... 15490
14573, 14608,	398, 404, 1386,	\if@bidi@animateloaded@
14611, 14641,	1387, 1388, 1390,	..... 15493
14644, 14672,	1391, 1392, 1393,	\if@bidi@arabxetexloaded@
14675, 14703, 14706	1394, 1395, 1396,	..... 15692
\hyper@anchorend . 14943	1399, 1400, 1401,	\if@bidi@arrayloaded@
\hyper@anchorstart 14943	1424, 1425, 1426,	..... 15626
\hyper@link 14771	1428, 1429, 1430,	\if@bidi@arydshlnloaded@
\hyper@linkend	1431, 1432, 4040,	..... 15650
.. 14382, 14386,	4046, 4049, 4052,	\if@bidi@blank
14390, 14392,	4055, 5552, 5607,	... 4651, 5160, 5167
14772, 14905, 14908	5611, 5617, 5621,	\if@bidi@breqnloaded@
\hyper@linkfile . . 14774	5662, 5745, 6128,	..... 15496
	8998, 9017, 9050,	



\if@bidi@calsloaded@	\if@bidi@fancyvrbloaded@	\if@bidi@newfloatloaded@
..... 15499	..... 15698	..... 15665
\if@bidi@captionloaded@	\if@bidi@floatloaded@	\if@bidi@nttheoremloaded@
..... 15502	..... 15530	..... 15569
\if@bidi@colorloaded@	\if@bidi@floatrowloaded@	\if@bidi@overpicloaded@
..... 15508	..... 15533	..... 15587
\if@bidi@colortblloaded@	\if@bidi@flowframloaded@	\if@bidi@patchable
..... 15527	..... 15536	..... 5047, 5048
\if@bidi@croplloaded@	\if@bidi@fontspecloaded@	\if@bidi@pdfencrypt
..... 15505	..... 15689	..... 3330, 3565
\if@bidi@csdef . 3582,	\if@bidi@framedloaded@	\if@bidi@pdfmark
4615, 4664, 12217,	..... 15539	..... 3333,
17034, 17093, 17169	\if@bidi@ftnrightloaded@	3577, 3633, 3697
\if@bidi@csmacro .. 4663	..... 15542	\if@bidi@pdfpagesloaded@
\if@bidi@csprimitive	\if@bidi@geometryloaded@	..... 15590
..... 4673	..... 15557	\if@bidi@perpage@footnote
\if@bidi@csundef ..	\if@bidi@graphicxloaded@	..... 3325, 3552
.... 4347, 4350,	..... 15554	\if@bidi@pgfloaded@
4353, 4357, 4362,	\if@bidi@hvfloatloaded@	..... 15608
4621, 4700, 4735,	..... 15560	\if@bidi@picinparloaded@
4760, 4789, 4814,	\if@bidi@hyperrefloaded@	..... 15611
4846, 4852, 4880,	..... 15572	\if@bidi@polyglossialloaded@
4886, 4895, 4912,	\if@bidi@lettrineloaded@	..... 15695
5437, 6333, 6385,	..... 15593	\if@bidi@pstricksloaded@
10863, 10864,	\if@bidi@linenoloaded@	..... 15605
10877, 10878, 24123	..... 15596	\if@bidi@quotchaploaded@
\if@bidi@cutedloaded@	\if@bidi@list@minipage@parbox	..... 15614
..... 15515	..... 3341,	\if@bidi@rotatingloaded@
\if@bidi@cutwinloaded@	23480, 23540,	..... 15671
..... 15512	23549, 23558,	\if@bidi@soulloaded@
\if@bidi@dblfnoteloaded@	23567, 23580,	..... 15632
..... 15518	23581, 23595, 23596	\if@bidi@stabularloaded@
\if@bidi@def 4633	\if@bidi@list@minipage@parbox@not@nob	..... 15629
\if@bidi@defmacro .	..... 3342,	\if@bidi@subfigloaded@
.... 4656, 4657,	23488, 23542,	..... 15635
4665, 5059, 5078, 5225	23551, 23560, 23569	\if@bidi@subfigureloaded@
\if@bidi@defparam .	\if@bidi@listingsloaded@	..... 15638
..... 5080,	..... 15599	\if@bidi@supertabularloaded@
5174, 5175, 5227	\if@bidi@longtableloaded@	..... 15641
\if@bidi@defprimitive	..... 15647	\if@bidi@tblsloaded@
..... 4667	\if@bidi@mdf@RTL ..	..... 15674
\if@bidi@defprotected	..... 15863, 15870	\if@bidi@tabularyloaded@
..... 5087,	\if@bidi@mdframedloaded@	..... 15677
5183, 5184, 5238	..... 15563	\if@bidi@tikzloaded@
\if@bidi@diagboxloaded@	\if@bidi@midfloatloaded@	..... 15617
..... 15521	..... 15566	\if@bidi@titlesecloaded@
\if@bidi@draftwatermarkloaded@	\if@bidi@minitocloaded@	..... 15620
..... 15581	..... 15659	\if@bidi@titletocloaded@
\if@bidi@empheqlloaded@	\if@bidi@multicolloaded@	..... 15623
..... 15584	..... 15653	\if@bidi@tocbasicloaded@
\if@bidi@fancyboxloaded@	\if@bidi@multienumloaded@	..... 15680
..... 15575	..... 15656	\if@bidi@tocbibindloaded@
\if@bidi@fancyhdrloaded@	\if@bidi@natbibloaded@	..... 15686
..... 15578	..... 15662	



\if@bidi@tocstyleloaded@	\if@compatibility .	\if@komalongtable .
..... 15683	.. 518, 670, 746,	. 19566, 20328, 21093
\if@bidi@todonotes@figposition@right	998, 1153,	\if@left@column@shrink
.. 23011, 23109,	1248, 8526, 8703,	..... 9614
23114, 23121, 23127	18074, 18213,	\if@left@column@spread
\if@bidi@todonotes@textdirection@RTL	16, 22261, 23611	..... 9531, 9608
..... 23010,	\if@contcw . 16595, 16624	\if@LTRbibitems . 87,
23044, 23084, 23118	\if@conthang 16605	290, 572, 707,
\if@bidi@undef	\if@contindent ... 16611	970, 1220, 2368,
.... 4639, 4704,	\if@DEBUG 4095	3336, 4321, 8478,
4956, 4967, 4986,	\if@displaypagenumbers	8666, 8975, 10537,
4990, 4994, 4998,	..... 4303, 4306	10808, 12645,
5008, 5012, 5016,	\if@donumindex	15021, 16673,
5020, 5056, 5075, 5222	..... 21644, 21663	17258, 18035,
\if@bidi@void@mpfootins	\if@dotocbib 21605	18429, 18623,
. 10861, 11129, 11137	\if@dotocind 21651, 21668	18826, 19356,
\if@bidi@void@footins	\if@extrafootnotefeatures	20117, 20882, 21612
. 10860, 12492, 12499	..... 3338, 3537	\if@LTRmarginpar 3335,
\if@bidi@wrapfigloaded@	\if@fcolmade ... 9377,	23988, 23993, 23997
..... 15551	9436, 12838,	\if@mainmatter . 7996,
\if@bidi@xcolorloaded@	12878, 12962,	8752, 8947, 10779,
..... 15524	13713, 13766,	17819, 20072, 20094
\if@bidi@xltxtalloaded@	13795, 16766,	\if@minipage . 6741, 16664
..... 15545	16863, 23763, 23806	\if@mparswitch ... 23961
\if@bidi@xtabloaded@	\if@ff@nwpg 12930	\if@newlist ... 12978,
..... 15644	\if@filesw 4374, 4725, 4731,	13010, 24017, 24092
\if@bidi@xunicodeloaded@	4750, 4756, 4779,	\if@nobreak 6329,
..... 15548	4785, 4804, 4810,	13631, 15874, 17880
\if@capbreak	4836, 4842, 4870, 4876	\if@nonlatin
. 19534, 20295, 21060	\if@firstcolumn ...	.. 336, 348, 3324,
\if@captionabove ..	.... 9328, 9391,	3550, 4597, 4603,
..... 19469,	9452, 9724, 9743,	9033, 9035, 15858
19475, 19569,	12806, 12842,	\if@noparlist 8355
19580, 20230,	13670, 13719,	\if@noskipsec .. 8996,
20236, 20331,	13807, 16678,	13632, 15875, 17881
20342, 20995,	16778, 16884,	\if@oldtoc . 658, 684,
21001, 21096, 21107	23722, 23769, 23959	886, 902, 1141,
\if@cftdopart 21700	\if@firstdetailselement	1168, 8428, 8452,
\if@cfthaschapter .	..... 9936, 9938	8605, 8629, 17980,
..... 21691,	\if@firstfooterelement	18004, 18352, 18376
21695, 21701,	..... 9840, 9843	\if@openright
21722, 21734, 21756	\if@hboxRconstruct	.. 8024, 8966, 10799
\if@cfthaspart ... 21687	..... 3329,	\if@ovb 12782
\if@chapterentrywithdots	3636, 4585, 4591,	\if@ovl 12780
..... 20390, 21155	13356, 23487,	\if@ovr 12779
\if@colour 4124	23511, 23542,	\if@ovt 12781
\if@ccolourgreen 9771,	23551, 23560,	\if@pboxsw 23536
9800, 9869, 9895	23569, 23580,	\if@restonecol
\if@ccolourgrey . 9775,	23581, 23595, 23596	..... 604, 620,
9814, 9873, 9907	\if@ignore ... 5404, 5406	869, 1121, 8408,
\if@ccolourorange 9769,	\if@inlabel 8997	8585, 8795, 17942,
9793, 9867, 9889	\if@inltxdoc 21636	18197, 18656, 21683
\if@ccolourred .. 9773,	\if@insert 9751	\if@reversemargin 23964
9807, 9871, 9901		



\if@right@column@shrink	8975, 8994, 9006,	15283,	15758,
... 9532, 9561, 9636	9019, 9094, 9135,	15830,	15840,
\if@right@column@spread	9136, 9140, 9141,	15847,	15866,
..... 9630	9143, 9150, 9156,	15949,	15957,
\if@rjfield	9175, 9178, 9179,	16148,	16474,
24003	9185, 9190, 9297,	16554,	16555,
\if@rl	9300, 9317, 9321,	16556,	16557,
3323	10142, 10149,	16558,	16559,
\if@rl@footnote ...	10165, 10171,	16638,	16640,
3340	10187, 10194,	16673,	16918,
\if@rlmain	10323, 10403,	16922,	16923,
3322	10418, 10440,	16930,	16935,
\if@rot@twoside 18857,	10441, 10442,	16942,	16947,
18862, 18872,	10443, 10466,	17258,	17337,
18902, 18908, 18920	10486, 10489,	17357,	17372,
\if@RTL	10490, 10500,	17386,	17418,
12,	10514, 10527,	17548,	17598,
13, 25, 87, 104,	10537, 10754,	17673,	17727,
107, 108, 109, 173,	10777, 10792,	17728,	17731,
180, 189, 207, 208,	10808, 10829,	17735,	17767,
224, 227, 228, 229,	10832, 10837,	17768,	17769,
290, 305, 309, 513,	10845, 12590,	17814,	17816,
530, 533, 534, 557,	12605, 12608,	17822,	17833,
572, 624, 637, 648,	12609, 12616,	17835,	17846,
649, 654, 665, 690,	12628, 12645,	17848,	17859,
693, 694, 707, 875,	12914, 13071,	17861,	17870,
876, 882, 892, 895,	13357, 13504,	17872,	17889,
896, 909, 931, 970,	13506, 13903,	17909,	17925,
1125, 1131, 1132,	13905, 13908,	17926,	17946,
1137, 1148, 1174,	13909, 13910,	17959,	17970,
1177, 1178, 1196,	13916, 13918,	17971,	17976,
1220, 1359, 1360,	13935, 13938,	17987,	18010,
1471, 1472, 1485,	13945, 13954,	18013,	18014,
1496, 1511, 1567,	13960, 13964,	18035,	18330,
1573, 1597, 1606,	13967, 13981,	18331,	18342,
1620, 1629, 1641,	14006, 14013,	18343,	18348,
1650, 1662, 1671,	14178, 14280,	18359,	18382,
1851, 2368, 2450,	14382, 14390,	18385,	18386,
2458, 2477, 2740,	14772, 14808,	18396,	18409,
2747, 2769, 2774,	14840, 14869,	18429,	18458,
2860, 2915, 2921,	14895, 14901,	18574,	18589,
3031, 3053, 3107,	14905, 14908,	18592,	18593,
3116, 3126, 3148,	14953, 14961,	18598,	18599,
3189, 3198, 3217,	14969, 14977,	18623,	18759,
3323, 3357, 3635,	14985, 14994,	18774,	18777,
3642, 4321, 4561,	15002, 15011,	18778,	18805,
4567, 4724, 4749,	15021, 15039,	18817,	18826,
4778, 4803, 4835,	15042, 15043,	18937,	18939,
4869, 7652, 7653,	15044, 15059,	18943,	18947,
7770, 7771, 7772,	15070, 15071,	18949,	18954,
8412, 8418, 8419,	15105, 15109,	18958,	18961,
8424, 8435, 8458,	15112, 15117,	18965,	18967,
8461, 8462, 8478,	15238, 15245,	18971,	18996,
8589, 8595, 8596,	15253, 15273,	19004,	19029,
8601, 8612, 8635,			
8638, 8639, 8666,			
8750, 8761, 8763,			
8899, 8914, 8917,			
8918, 8945, 8959,			



19042,	19328,	22999,	23059,	18429,	18623,
19329,	19356,	23062,	23146,	18826,	19356,
19404,	19405,	23181,	23189,	20117,	20882, 21612
19406,	19408,	23216,	23217,	\if@RTLcolumnfootnotes	
19456,	19460,	23220,	23221,	... 3339,	11190,
19735,	19743,	23223,	23260,	11191,	11194,
19768,	19782,	23264,	23317,	11195,	11230,
20068,	20117,	23322,	23368,	11282,	11338,
20165,	20166,	23369,	23396,	11387,	11442,
20167,	20169,	23397,	23400,	11494,	11551,
20217,	20221,	23404,	23481,	11603,	11660,
20508,	20516,	23489,	23495,	11712,	11769,
20541,	20555,	23501,	23514,	11821,	11878,
20841,	20882,	23582,	23583,	11930,	11987,
20930,	20931,	23585,	23588,	12039,	12096, 12148
20932,	20934,	23591,	23595,	\if@RTLmain 1503,	
20982,	20986,	23596,	23597,	1936,	1944, 1953,
21251,	21254,	23598,	23600,	1961,	1983, 2000,
21284,	21304,	23602,	23603,	2014,	2029, 2696,
21502,	21547,	23608,	23655,	2698,	2701, 2840,
21564,	21584,	23656,	23662,	2847,	2939, 3243,
21587,	21592,	23667,	23988,	3322,	3356, 3375,
21596,	21597,	23993,	23997,	3634,	3641, 3660,
21612,	21708,	24005,	24006,	9193,	9216, 9239,
21709,	21710,	24007,	24008,	9262,	9646, 10130,
21718,	21739,	24103,	24106,	10255,	10258,
21740,	21741,	24114,	24124,	10264,	10272,
21749,	21762,	24226, 24236, 24242		10282,	10292,
21763,	21764,	\if@RTL@footnote ..		10298,	10312,
21772,	21779,	..... 36, 239,		13076,	14031,
21780,	21781,	2121, 2171, 2173,		14041,	14058,
21789,	21796,	3340, 3638, 7020,		14064,	15291,
21797,	21798,	10927, 10968,		16875,	17032,
21806,	21813,	11220, 11265,		23812,	24033,
21814,	21815,	11329, 11371,		24039,	24068, 24084
21823,	21830,	11432, 11477,		\if@RTLmarginpar 3334,	
21831,	21832,	11541, 11586,		23988,	23993, 23997
21840,	21847,	11650, 11694,		\if@RTLtab . 362, 363,	
21848,	21849,	11759, 11803,		379,	382, 404, 406,
21857,	21865,	11868, 11913,		1367,	1368, 1387,
21866,	21867,	11977, 12022,		1388,	1425, 1426,
21875,	21884,	12086, 12131,		3328,	3959, 3963,
21885,	21886,	12284, 12305,		3964,	4573, 4579,
21894,	21904,	12346, 12401,		9054,	9056, 9077,
21905,	21906,	12410, 13251,		9084,	9106, 9107,
21914,	21939,	13300, 13340, 13341		9120,	9131, 15706,
21940,	21941,	\if@RTLbibitems . 87,		15708,	15819,
21949,	21989,	290, 572, 707,		15822,	21319,
21990,	21991,	970, 1220, 2368,		21323,	21324,
22784,	22846,	3337, 4321, 8478,		21341,	21349,
22847,	22848,	8666, 8975, 10537,		21355,	21380,
22854,	22857,	10808, 12645,		21468,	21469,
22904,	22964,	15021, 16673,		23440,	23615,
22969,	22992,	17258, 18035,		23619,	23620,



23640, 23648, 23649	18413, 18522,	\IfbidiPackageVersionLater
\if@sectionentrywithdots	18643, 18704,	..... 3297
..... 19628	19246, 19986,	\ifblank 2326, 2715
\if@sensdir 3637	20759, 21638,	\ifblendcolors 23228,
\if@specialpage ...	23684, 23958, 24117	23249, 23271, 23298
..... 12933, 24028	\if@twoside	\ifbool 15888, 15897
\if@star 17803	... 7941, 10290,	\ifcase 1408, 1435, 1439,
\if@tab@rl 3328	12937, 19127,	1443, 1447, 1473,
\if@tablecaptionabove	19171, 19249,	3426, 3432, 3438,
. 19598, 20360, 21125	19263, 19867,	3444, 3450, 3456,
\if@tempswa 1876,	19911, 19989,	3468, 3474, 3480,
1886, 1895, 1910,	20003, 20640,	3487, 3501, 3508,
6171, 6216, 10038,	20684, 20762,	3518, 9108, 14378,
10095, 19179,	20776, 23172, 24031	15771, 21578,
19919, 20692, 22443	\if@vihproof 16903, 16909	21959, 22836,
\if@thmmarks .. 17320,	\ifadl@inactive ... 1373	22906, 23016,
17324, 17341, 17345	\ifadl@usingarypkg 1376	23024, 23248,
\if@titlecentered .	\ifAM@output 17464	23297, 23699, 23700
..... 1341, 18310	\ifAM@survey 17442	\ifcat 3367, 3652, 5502, 5503
\if@titlepage	\IfArgIsEmpty	\ifconvertcolorsU .
.. 411, 625, 733,	. 19012, 19751, 20524	..... 23234,
932, 985, 1184,	\ifartopt 16574	23250, 23277, 23299
1235, 8797, 10560,	\ifbeamer@centered 2100	\ifcoddpage 6518
10653, 12660,	\ifbeamer@colbox@ignorebg	\ifcsname
17947, 18061,	..... 1858, 1861	4616, 4622, 4973,
18198, 18397,	\ifbeamer@colbox@rounded	5365, 5379, 5393,
18460, 18657,	..... 1894	5403, 5425, 5945,
19080, 19820, 20593	\ifbeamer@compress 2395	5960, 6174, 6182,
\if@titlepageiscoverpage	\ifbeamer@dodgeometry	17282, 17292,
. 19085, 19825, 20598	..... 1932	17306, 22791,
\if@tocstyle@penalties	\ifbeamer@onlytextwidth	22792, 22801,
..... 22767, 22876	..... 2082	22812, 22816,
\if@todonotes@authorgiven	\ifbeamer@plainframe	22826, 22838,
..... 23035,	..... 2803	22892, 22920,
23046, 23071, 23088	\ifbeamer@sb@subsection	22921, 22929,
\if@todonotes@disabled	... 3011, 3022, 3030	22933, 22937,
..... 23029, 23030	\ifbeamer@theme@subsection	22941, 22945,
\if@todonotes@dviStyle	..... 2771	22949, 22953, 22957
..... 23032, 23066	\ifbeamer@tree@showhooks	\ifdefined ... 4634, 4640
\if@ttb@rotate ... 13070	..... 3206, 3225	\ifdefining 5622
\if@twocolumn ... 98,	\ifbeamer@coloreempty	\ifdfn@allowcbreak
218, 458, 591, 607,	1857, 2545, 2547,	..... 9991, 10012
634, 641, 809, 856,	2550, 2560, 2562,	\ifdfn@ruleboth ...
941, 952, 1061,	2565, 2575, 2577, 2580	..... 10049, 10103
1108, 1193, 1200,	\ifbidi@autofooterule	\ifdfn@trysingle ..
1311, 3376, 3382,	..... 2171,	..... 10030, 10087
7950, 8395, 8572,	2187, 2203, 13077,	\ifdim 1461, 1462, 1773,
8782, 8844, 10603,	13312, 13326, 13340	1780, 1792, 1814,
10700, 12703,	\ifbidi@in@label ..	1873, 1875, 1876,
13809, 15033,	..... 5616, 5618	1881, 1883, 1885,
16537, 17929,	\IfbidiPackageVersion	1887, 1888, 1904,
17956, 17963,	..... 3309	1920, 2798, 2837,
18137, 18184,	\IfbidiPackageVersionBefore	2872, 3208, 3227,
18278, 18406,	..... 3303	3298, 3304, 3310,



6754, 7321, 8090,	19440,	19523,	\ifhv@onlyText
8127, 8129, 8188,	20201,	20284,	. . . . . 14131, 14149
8189, 8191, 8197,	20966,	21049,	\ifhv@useOBox 14094, 14098
8237, 8249, 8331,	21366,	22299,	\ifHy@href@ismap . 14860
8333, 8346, 8348,	22344,	22359,	\ifHy@hyperfootnotes
8356, 9027, 9471,	22364,	22802,	. 10865, 10879, 14397
9486, 9530, 9533,	22827,	22893,	\ifHy@nesting
9562, 9570, 9571,	23149,	23151,	. . 14446, 14457,
9577, 9600, 9607,	23153,	23155,	14468, 14479,
9613, 9629, 9635,	23156,	23157,	14494, 14509,
9704, 9720, 9733,	23159,	23199,	14569, 14607,
9736, 9738, 9985,	23206, 23970, 24102		14640, 14671, 14702
10006, 10026,	\ifdofullc@p		\ifHy@pdfa . . . 14786,
10035, 10062,	. 19510, 20271, 21036		14820, 14851, 14880
10066, 10083,	\iffalse		\ifin@ 6190
10092, 10114,	4505, 4506, 4508,		\ifin@label 5624
10118, 11035,	13631, 13632,		\ifinner . . 4030, 6985,
11040, 11047,	15401, 15874,		7029, 7073, 13519,
11052, 11059,	15875, 17880, 17881		23141, 23875, 23919
11064, 12260,	\IfFileExists . . 5900,		\ifL@grid 15211
12264, 12268,	6498, 7970, 8035		\ifL@realh 15147
12322, 12326,	\iffootdir@debug . .		\iflatin 4596
12330, 12768,	. . . . . 13085, 13089		\ifLettrineImage . 15141
12770, 12913,	\ifFootnoteBackref@numberlink		\ifLettrineOnGrid 15142
13445, 13450,	. . . . . 13443		\ifLettrineRealHeight
13457, 13462,	\ifGin@grid . 17373, 17386		. . . . . 15143
13469, 13474,	\ifGin@iso 14020		\ifLettrineSelfRef 15144
13516, 13524,	\ifhbox 12202, 12211, 12215		\ifLtoR 4566
13540, 13541,	\ifhmode		\ifLtoRhboxconstruct
13571, 13579,	2388, 4024, 6979,		. . . . . 4590
13592, 13607,	7023, 7067, 7310,		\ifLtoRtable 4578
13640, 13641,	7316, 9141, 9143,		\ifmaskcolors . 23238,
13923, 13930,	9150, 9156, 9175,		23249, 23281, 23298
13969, 13976,	21540, 23221,		\ifmmode
14021, 14111,	23223, 23260,		3625, 9135, 9140,
14249, 14265,	23264, 23317,		12883, 12893,
15196, 15210,	23595, 23596,		13903, 13905,
15216, 15350,	23639, 23869, 23913		13908, 13909,
15759, 15806,	\ifhv@fbox . . . 14180,		13910, 13916,
15809, 16544,	14186, 14193,		13918, 13935,
16587, 16594,	14199, 14205,		13938, 13945,
16598, 16600,	14211, 14220,		13954, 13960,
16639, 16700,	14224, 14229,		13964, 13967,
16708, 16710,	14233, 14237,		13981, 14006,
16800, 16808,	14241, 14255,		14013, 14757,
16810, 16885,	14271, 14282,		14769, 14772,
16896, 16980,	14286, 14291,		14808, 14840,
16988, 16994,	14295, 14299,		14869, 14895,
17008, 17016,	14303, 14310,		17475, 17533,
17492, 17545,	14316, 14323,		17771, 17807,
17570, 17628,	14329, 14335, 14341		18937, 18939,
17639, 17646,	\ifhv@nonFloat 14123,		18943, 18947,
17651, 17666,	14130, 14148,		18949, 18954,
17779, 17804,	14169, 14361, 14363		18958, 18961,



18965,	18967,	15324,	15332,	21571,	21690,
18971,	23216,	15335,	15404,	21694,	21736,
23220,	23531,	15720,	15721,	21755,	21777,
\ifNAT@openbib ...	17261	15801,	15802,	21794,	21811,
\ifnonlatin	4602	16538,	16571,	21828,	21845,
\ifnum 3, 137, 143, 198,		16697,	16727,	21863,	21882,
304, 353, 354, 355,		16797,	16827,	21902,	21937,
356, 358, 459, 508,		16916,	16928,	22120,	22121,
525, 551, 560, 644,		16940,	17040,	22232,	22233,
660, 678, 810, 871,		17046,	17124,	22260,	22270,
904, 922, 1062,		17142,	17301,	22284,	22766,
1127, 1143, 1161,		17311,	17558,	22771,	22789,
1312, 1378, 1379,		17564,	17576,	22962,	23180,
1380, 1381, 1383,		17579,	17580,	23462,	23645,
1422, 1423, 2171,		17581,	17583,	23646,	23660,
2187, 2203, 2327,		17584,	17585,	23715,	23966,
2394, 2398, 2419,		17586,	17595,	23988, 24111, 24112	
2420, 2422, 3546,		17617,	17622,	\ifodd	4041, 7941,
3547, 3548, 4056,		17633,	17644,	10263,	10291,
4392, 4897, 5476,		17645,	17651,	10362,	12938,
5504, 5506, 5514,		17655,	17658,	14051,	14057,
5516, 5717, 5727,		17659,	17765,	23172, 23962, 24032	
5825, 5831, 5856,		17766,	17773,	\ifoddpage	6512
5871, 5877, 8210,		17818,	17966,	\ifonelinecaptions	
8414, 8430, 8446,		17982,	17998,	. 19413, 20174, 20939	
8510, 8512, 8514,		18056,	18058,	\ifpgfrememberpicturepositiononpage	
8591, 8607, 8623,		18060,	18138,	.....	17488
8687, 8689, 8691,		18279,	18338,	\ifpoem@started	8184,
8751, 8845, 8894,		18354,	18370,	8190, 8330, 8337, 8351	
8909, 8932, 8934,		18421,	18423,	\ifprimitive ..	4668, 4675
8936, 8946, 9028,		18425,	18523,	\ifPst@shift@star	17795
9295, 9303, 9308,		18570,	18584,	\ifr@ggedbottom ..	17745
9315, 9525, 9526,		18610,	18612,	\ifrot@messages ...	
9539, 9550, 9686,		18614,	18705,	.....	18907, 18919
9698, 9711, 9926,		18754,	18769,	\ifRtoL	4560
10481, 10495,		18792,	18794,	\ifRtoLhboxconstruct	
10508, 10517,		18796,	18806,	.....	4584
10604, 10701,		18992,	19003,	\ifRtoLtable	4572
10750, 10764,		19072,	19173,	\ifshowgrid	17773
10766, 10768,		19220,	19247,	\ifsomething	5755
10778, 11196,		19296,	19731,	\Ifstr ..	22002, 22003,
12585, 12600,		19742,	19812,	22004,	22005,
12617, 12704,		19913,	19960,	22006,	22007,
12754, 12756,		19987,	20036,	22008,	22009,
12758, 13046,		20071,	20086,	22010,	22025,
13048, 13050,		20089,	20093,	22026,	22027,
13059, 13061,		20504,	20515,	22028,	22030,
13063, 13209,		20585,	20686,	22031,	22032,
13312, 13326,		20733,	20760,	22035,	22038,
13340, 13640,		20809,	20855,	22047,	22048,
13642, 13830,		20858,	21411,	22049,	22052,
14759, 14764,		21459,	21460,	22055,	22074,
15061, 15203,		21461,	21462,	22075,	22076,
15263, 15321,		21464,	21569,	22078,	22079,



22080,	22083,	6685, 6703, 6705,	13856, 13863,
22086,	22095,	6709, 6727, 6728,	14936, 14940,
22096,	22097,	6731, 6732, 6767,	15819, 15919,
22100,	22103,	6776, 6787, 6797,	16955, 17110,
22161,	22162,	6846, 6961, 7185,	17112, 17126,
22163,	22164,	7203, 7204, 7222,	17127, 17171,
22165,	22166,	7223, 7241, 7242,	17175, 17179,
22167,	22168,	7273, 7274, 7392,	17673, 17739,
22169,	22184,	7397, 7421, 7426,	17741, 17746,
22185,	22186,	7450, 7455, 7532,	23322, 23375,
22187,	22189,	7536, 7584, 7797,	23385, 23817,
22190,	22191,	7843, 7852, 7860,	23832, 23833, 23856
22194,	22197,	7887, 7934, 8003,	\ifWF@float . 23154, 23168
22206,	22207,	8014, 9830, 9836,	\ifx . 115, 134, 136, 151,
22208,	22211,	9853, 9856, 9857,	155, 159, 166, 794,
22214,	22468,	9858, 9859, 9860,	798, 1046, 1050,
22469,	22470,	9946, 9951, 9954,	1296, 1300, 1892,
22471,	22472,	9955, 9956, 9957,	1893, 2238, 2264,
22473,	22474,	9958, 9961, 9965,	2290, 2623, 2629,
22475,	22476,	13019, 13034,	2635, 2817, 2833,
22545,	22546,	17432, 18861, 18906	2900, 2964, 3060,
22547,	22548,	\Iftocfeature . 22140,	3155, 3556, 3557,
22550,	22551,	22252, 22310, 22320	3907, 3913, 3919,
22552,	22555,	\iftocstyle@autolength	3934, 3965, 4017,
22558,	22567,	..... 22811	4020, 4281, 4282,
22568,	22569,	\iftocstyle@indentnotnumbered	4283, 4285, 4385,
22572,	22575,	..... 22856, 22903	4414, 4417, 4437,
22605,	22606,	\iftrue 4507,	4441, 4461, 4465,
22607,	22609,	6926, 6939, 6952	4480, 4484, 4554,
22610,	22611,	\ifttl@label 21545	4623, 4641, 4936,
22614,	22617,	\ifTX@ 21401	5124, 5140, 5482,
22626,	22627,	\ifvbox 12513,	5488, 5489, 5526,
22628,	22631,	13877, 17167, 17182	5527, 5528, 5529,
22634,	22654,	\ifvmode .. 4721, 4775,	5539, 5545, 5570,
22657,	22660,	4832, 6329, 6715,	5575, 5580, 5585,
22680,	22684,	6718, 6721, 6724,	5591, 5596, 5784,
22689,	22701,	15903, 16970,	5890, 5914, 5929,
22704,	22708,	17331, 17351, 21353	5994, 6006, 6038,
22718, 22722, 22727		\ifvoid ... 9363, 9379,	6049, 6084, 6090,
\Ifstrstart ... 22459,		9422, 9438, 9493,	6101, 6102, 6113,
22491, 22519,		9680, 9989, 10010,	6143, 6152, 6153,
22532, 22591, 22743		10021, 10046,	6173, 6188, 6198,
\iftagsleft@ .. 328, 10320		10078, 10100,	6212, 6219, 6231,
\iftest 5559		11085, 11086,	6247, 6302, 6313,
\ifthenelse		11094, 11100,	7255, 8079, 8100,
4275, 4292, 4296,		11124, 11125,	8253, 8305, 8310,
4300, 4308, 6411,		11141, 11153,	8312, 9339, 9402,
6471, 6473, 6476,		12553, 12568,	10058, 10110,
6480, 6483, 6486,		13375, 13600,	10827, 10843,
6511, 6568, 6587,		13621, 13776,	10847, 12816,
6602, 6607, 6613,		13781, 13799,	12852, 13206,
6622, 6633, 6639,		13801, 13810,	13484, 13685,
6645, 6646, 6653,		13820, 13840,	13734, 13772,
6660, 6662, 6668,		13841, 13845,	13949, 13991,



13992,	13998,	19800,	19807,	2199,	2215,	2441,
14085,	14087,	19864,	19865,	5313,	5803,	5819,
14093,	14104,	19872,	19880,	5821,	5827,	5830,
14106,	14109,	19887,	19893,	5833,	5837,	5842,
14110,	14127,	19915,	19931,	6738,	6745,	6746,
14133,	14134,	19938,	19946,	6755,	7342,	7360,
14136,	14139,	19954,	19966,	7378,	7414,	7443,
14151,	14152,	19973,	19988,	7472,	7737,	8161,
14154,	14157,	19989,	19993,	8172,	8325,	8326,
14166,	14168,	19994,	20002,	8473,	8661,	9031,
14177,	14179,	20003,	20007,	9037,	9150,	9156,
14192,	14219,	20008,	20017,	9164,	9171,	10832,
14228,	14248,	20018,	20022,	10846,	10910,	
14264,	14281,	20023,	20031,	10916,	10922,	
14290,	14309,	20104,	20537,	13263,	13280,	
14322,	14356,	20573,	20580,	13296,	13323,	
14362,	14375,	20637,	20638,	13337,	13351,	
14406,	14417,	20645,	20653,	14033,	14037,	
14428,	14735,	20660,	20666,	14042,	14047,	
14738,	14741,	20688,	20704,	15093,	15112,	
14744,	14788,	20711,	20719,	15858,	16661,	
14796,	14822,	20727,	20739,	16668,	17952,	
14830,	14853,	20746,	20761,	17961,	18402,	
14882,	15086,	20762,	20766,	18411,	18937,	
15107,	15149,	20767,	20775,	18947,	18965,	
15169,	15361,	20776,	20780,	19483,	19485,	
15362,	15366,	20781,	20790,	20244,	20246,	
15368,	15725,	20791,	20795,	21009,	21011,	
16648,	16689,	20796,	20804,	23260,	23264,	
16789,	17054,	20869,	21361,	23507,	23546,	
17059,	17064,	21580,	21922,	23555,	23564,	23573
17287,	17291,	22275,	22281,	\iii	5863	
17298,	17304,	22327,	22331,	\ilg	17567, 17590	
17448,	17460,	22335,	22442,	\immediate ...	6326, 8317	
17736,	17788,	22778,	22849,	\in@	6189	
17829,	17842,	22861,	22869,	\includegraphics ..		
17855,	18122,	22886,	22911,	....	4316, 9832,	
18126,	18263,	22978,	22983,	9963,	17361,	17434
18267,	19025,	22985,	23229,	\includedia		
19060,	19067,	23272,	23405,	. 16123, 16453, 16454		
19124,	19125,	23515,	23518,	\includepdf	17425	
19132,	19140,	23525,	23686,	\indentedwidth ...	10845	
19147,	19153,	23694,	23733,	\index	5741,	
19175,	19191,	23780,	24045,	5742,	12991,	24056
19198,	19206,	24046,	24048,	24049	\indexname	598,
19214,	19226,	\ifXC@@tst .	23252, 23301	599,	600,	614,
19233,	19248,	\ignorespaces ...	46,	615,	863,	864,
19249,	19253,	60,	76,	122,	249,	1115, 1116, 7757,
19254,	19262,	263,	278,	336,		7758, 8402, 8403,
19263,	19267,	630,	639,	937,		8579, 8580, 8789,
19268,	19277,	1189,	1198,	1884,		8790, 8791, 17936,
19278,	19282,	2074,	2078,	2083,		17937,
19283,	19291,	2095,	2105,	2133,		18191,
19344,	19764,	2095,	2105,	2133,		18192,
		2150,	2167,	2183,		18650,
						18651,
						18652,



21647, 21648,	24249, 24250,	1416, 1476, 1478,
21649, 21653,	24251, 24252,	1479, 1481, 1482,
21654, 21655,	24253, 24254,	1483, 9111, 9113,
21658, 21659,	24255, 24256,	9114, 9116, 9117, 9118
21665, 21666,	24257, 24258,	\insertauthor . 2623, 2626
21670, 21671,	24259, 24260,	\insertauthorindicator
21672, 21675, 21676	24261, 24262,	..... 2625
\indexspace 7773	24263, 24264,	\insertblocktitle .
\input 3423, 3424,	24265, 24266,	.... 1725, 1734,
3538, 3631, 3707,	24267, 24268,	1743, 2542, 2557,
4128, 7971, 8036,	24269, 24270,	2572, 2647, 2659, 2671
24116, 24126,	24271, 24272,	\insertcaption 2529
24127, 24128,	24273, 24274,	\insertcaptionname 2526
24129, 24130,	24275, 24276,	\insertdate ... 2635, 2638
24131, 24132,	24277, 24278,	\insertdateindicator
24133, 24134,	24279, 24280,	..... 2637
24135, 24136,	24281, 24282,	\insertenumlabel ..
24137, 24138,	24283, 24284,	..... 1604, 1669
24139, 24140,	24285, 24286,	\insertfootnotemark
24141, 24142,	24287, 24288,	..... 2111,
24143, 24144,	24289, 24290,	2116, 2500, 2507, 2514
24145, 24146,	24291, 24292, 24293	\insertfootnotetext
24147, 24148,	\input@path 16144	..... 2110,
24149, 24150,	\InputIfFileExists	2115, 2500, 2507, 2514
24151, 24152,	.. 5888, 5897, 15160	\insertframesubtitle
24154, 24155,	\insert 35,	..... 2817,
24159, 24165,	49, 65, 238, 252,	2818, 2964, 2965,
24172, 24173,	267, 3373, 3658,	3060, 3063, 3155, 3158
24174, 24175,	9980, 9996, 10001,	\insertframetitle .
24176, 24177,	10017, 10064,	..... 2816,
24178, 24179,	10070, 10116,	2963, 3059, 3154
24180, 24181,	10122, 10926,	\insertinstitute ..
24182, 24183,	10940, 10954,	..... 2629, 2632
24184, 24185,	11220, 11230,	\insertinstituteindicator
24186, 24187,	11240, 11329,	..... 2631
24188, 24189,	11338, 11347,	\insertlogo 2846
24190, 24191,	11432, 11442,	\insertnavigation .
24192, 24193,	11452, 11541,	..... 2769, 3028
24194, 24195,	11551, 11561,	\insertpenalties ..
24196, 24197,	11650, 11660,	..... 13214, 13830
24198, 24199,	11670, 11759,	\insertsectionhead
24200, 24201,	11769, 11779,	..... 2745,
24202, 24203,	11868, 11878,	3124, 3207, 3215
24204, 24205,	11888, 11977,	\insertshortauthor
24206, 24207,	11987, 11997,	... 2715, 2895, 2919
24208, 24209,	12086, 12096,	\insertshortdate .. 2723
24210, 24211,	12106, 12345,	\insertshortinstitute
24212, 24213,	12363, 12375,	..... 2715
24214, 24215,	13250, 13267,	\insertshorttitle .
24216, 24217,	13283, 13800,	..... 2718,
24219, 24220,	13802, 17111, 17113	2887, 2926, 3114, 3196
24221, 24222,	\insert@column	\insertsubenumlabel 1627
24223, 24224,	.... 1410, 1411,	\insertsubsectionhead
24247, 24248,	1412, 1413, 1415,	.... 2752, 2781,



3038, 3134, 3226, 3234	21869, 21888,	J
\insertsubsubenumlabel	21908, 21943,	\j 5877, 5878, 5882
..... 1648	22326, 22852,	\jua@ht 16716,
\insertsubtitle ... 2620	22966, 23147, 23664	16723, 16816,
\inserttitle 2619	\intermath@penalty 9030	16823, 16892, 16899
\inserttitleindicator	\intextsep . 23207, 23209	\jua@pr 16699,
..... 2618	\InTheoType	16729, 16799, 16829
\inserttocsection .	.. 10336, 17321,	\jua@sar 16698,
..... 1538,	17323, 17342, 17344	16728, 16770,
1578, 1697, 2614	\ior .. 16227, 16228, 16232	16798, 16828, 16867
\inserttocsectionnumber	\isempty .. 6587, 7185,	\jua@sk . 16697, 16727,
... 1535, 1572, 1694	7392, 7397, 7421,	16770, 16797,
\inserttocsubsection	7426, 7450, 7455,	16827, 16867, 16900
..... 1541,	7843, 7852, 7860, 7887	\justifying 6494,
1583, 1705, 2470	\isodd 18861, 18906	6564, 7134, 17867
\inserttocsubsubsection	\isSC@ODD 21252,	\JustifyingParfillskip
..... 1546,	21253, 21255,	..... 17873
1590, 1712, 2474	21256, 24227,	\JustifyingParindent
\insertverticalnavigation	24229, 24231, 24233	..... 6466,
..... 2898	\isundefined	7137, 7696, 17874
\int 16177, 16224,	.... 6797, 6846,	K
16225, 16229,	9830, 9836, 9853,	\keepthetitle 16520
16307, 16395,	9856, 9857, 9858,	\kern 27, 29, 30,
16398, 16399,	9859, 9860, 9951,	31, 231, 233, 234,
16410, 16448,	9954, 9955, 9956,	235, 336, 539, 541,
16486, 16511, 17397	9957, 9958, 9961, 9965	543, 545, 723, 724,
\interfootnotelinepenalty	\item 102,	726, 729, 730, 732,
.. 39, 53, 69, 242,	222, 603, 618, 867,	744, 959, 961, 964,
256, 271, 11116,	950, 1119, 7729,	966, 996, 1203,
13254, 13271, 13287	7737, 7742, 7763,	1204, 1206, 1209,
\interlinepenalty .	8406, 8583, 8794,	1210, 1212, 1246,
..... 39, 53,	12888, 12903,	1474, 1479, 1536,
69, 242, 256, 271,	15037, 17940,	1578, 1583, 1590,
558, 622, 647, 874,	18195, 18655, 21682	1696, 1704, 1711,
929, 1123, 1130,	\itemindent 7724,	2415, 3838, 3839,
7649, 8410, 8417,	7725, 7733, 23469	3840, 3841, 3842,
8587, 8594, 8758,	\itemize 2325	3843, 3844, 3845,
8953, 8961, 9683,	\itemsep 2374,	3849, 3850, 3897,
9695, 9708, 10515,	6460, 7670, 7709, 7723	3899, 3900, 6936,
10528, 10785,	\itemx 17186	6937, 6947, 6948,
10794, 11116,	\itemxox 17221	6950, 7415, 7416,
12622, 12630,	\itemxoxx 17231	7444, 7445, 7473,
13254, 13271,	\itemxx 17189	7474, 8494, 8495,
13287, 16920,	\itemxxo 17226	8497, 8500, 8501,
16932, 16944,	\itemxxox 17238	8503, 8524, 8647,
17822, 17944,	\itemxxx 17194	8648, 8650, 8653,
17969, 18341,	\itemxxxo 17245	8654, 8656, 8701,
18394, 18456,	\itemxxxx 17201	8924, 8926, 8928,
18811, 18819,	\itemxxxxx 17210	8930, 9109, 9114,
21537, 21578,	\itshape .. 3815, 4288,	9136, 9975, 9976,
21712, 21743,	7533, 7535, 7539,	10406, 10413,
21766, 21783,	7546, 7553, 7588,	10421, 10428,
21800, 21817,	7595, 7602, 7609,	10467, 10471,
21834, 21851,	7616, 7920, 7921, 7922	



16454, 16473,	\L@parshape	\labelname . . . 17187,
16474, 16475,	. . . 15239, 15241,	17190, 17192,
16476, 16477,	15246, 15248,	17195, 17197,
16478, 16479,	15254, 15256, 15259	17199, 17202,
16480, 16481,	\l@part 507,	17204, 17206,
16516, 16517,	659, 677, 903,	17208, 17211,
17399, 17401, 17410	921, 1142, 1160,	17213, 17215,
\l@ 21953	8429, 8445, 8606,	17217, 17219,
\l@addto@macro	8622, 8893, 10494,	17222, 17224,
. 19002, 19741, 20514	10749, 12584,	17227, 17229,
\L@ante 15136, 15226, 15260	17981, 17997,	17232, 17234,
\l@chapter 8453, 8467,	18353, 18369,	17236, 17239,
8630, 8644, 8908,	18569, 18753,	17241, 17243,
12599, 18005,	21599, 21600,	17246, 17248, 17250
18019, 18377,	21688, 22923, 22926	\labelsep 85, 90,
18391, 18583,	\L@Pindent . . . 15224,	288, 293, 577, 712,
18768, 21602,	15225, 15227,	975, 1225, 2352,
21603, 21735, 22931	15228, 15230,	2373, 4327, 4329,
\l@color . . . 15165, 15166	15231, 15234, 15241	7686, 7688, 7745,
\l@figure 7657,	\L@raise . . . 15135, 15201	8483, 8671, 8980,
7658, 21844, 22959	\L@realhfalse 15143	10542, 10813,
\L@Findent	\L@realhtrue 15143	12650, 15019,
. 15137, 15228, 15261	\l@refstring 15130	15024, 17187,
\L@first 15200, 15202,	\l@section	17190, 17192,
15204, 15206,	524, 685, 698, 887,	17195, 17197,
15210, 15216,	900, 1169, 1182,	17199, 17202,
15218, 15220,	10480, 21754, 22935	17204, 17206,
15222, 15226,	\L@selfreffalse . . 15144	17208, 17211,
15227, 15229,	\L@selfreftrue . . . 15144	17213, 17215,
15230, 15239, 15241	\L@slope	17217, 17219,
\L@gridfalse 15142	. 15139, 15250, 15251	17222, 17224,
\L@gridtrue 15142	\l@subfigure 21881	17227, 17229,
\L@hang 15133, 15225	\l@subparagraph . . .	17232, 17234,
\L@imagefalse 15141	. . . . . 21827, 22951	17236, 17239,
\L@imagetrue 15141	\l@subsection 21776, 22939	17241, 17243,
\l@initial 15130	\l@subsubsection . .	17246, 17248,
\L@lbox . 15179, 15186,	. . . . . 21793, 22943	17250, 18040,
15187, 15188,	\l@subtable 21901	18434, 18628,
15224, 15225, 15260	\l@table 7658, 21862, 22955	18831, 19363,
\l@LOKeys 15170,	\L@target@dp 15207	20124, 20889, 21617
15172, 15177, 15182	\L@target@ttht	\labelwidth . . . 89, 90,
\L@raise 15201,	. 15193, 15201, 15206	292, 293, 575, 576,
15202, 15207, 15260	\L@tbox . 15146, 15154,	710, 711, 973, 974,
\L@next . 15232, 15233,	15199, 15204, 15262	1223, 1224, 2360,
15246, 15248, 15251	\l@textcolor 15167, 15168	2371, 2372, 4326,
\l@ngrel@x 4936, 4937, 4939	\label 4312, 6616, 6618,	4328, 7687, 7688,
\L@Nindent . . . 15138,	6620, 6624, 6676,	8481, 8482, 8669,
15231, 15233,	12990, 13422,	8670, 8978, 8979,
15235, 15248, 15250	13428, 14141,	10540, 10541,
\L@novskip	14159, 19416,	10811, 10812,
. 15140, 15210, 15214	20177, 20942, 24055	12648, 12649,
\L@oversize	\labelitemi . 743, 995,	13645, 15023,
. 15134, 15191, 15196	1058, 1245, 8523,	15024, 17187,
\l@paragraph 21810, 22947	8700, 18071, 18210	17190, 17192,



17195,	17197,	9918, 9920, 10503,	653, 667, 692, 744,
17199,	17202,	10572,	10578,
17204,	17206,	10637,	10643,
17208,	17211,	10667,	10673,
17213,	17215,	10738,	10744,
17217,	17219,	10757,	12593,
17222,	17224,	12672,	12678,
17227,	17229,	12737,	12743,
17232,	17234,	17990,	18086,
17236,	17239,	18096,	18171,
17241,	17243,	18177,	18225,
17246,	17248,	18235,	18317,
17250,	18038,	18323,	18327,
18039,	18432,	18332,	18362,
18433,	18626,	18484,	18490,
18627,	18829,	18577,	18671,
18830,	19361,	18677,	18742,
19362,	20122,	18748,	18762,
20123,	20887,	22250, 22682, 22720	
20888, 21615, 21616		\Largr 3819	
\landscape . 15836, 17417		\Largs 3818	
\langle 3816		\lastbox 9470,	
\Larg 3815,		12179, 12201,	
3816, 3817, 3818, 3819		12210, 12214,	
\Larga 3816		15900, 17673,	
\Largb 3817		23322, 23374, 23384	
\LARGE 423, 494, 751, 841,		\LastFrameCommand .	
1003, 1093, 1253,		. . . . . 13507, 13617	
1344, 1355, 7588,		\lastkern . . . 7321, 13592	
7595, 7677, 7920,		\lastpenalty . 9028, 22771	
8531, 8708, 8809,		\lastrule 9075	
8880, 9915, 10570,		\lastskip 6754,	
10635, 10665,		8356, 8357, 9027	
10736, 12670,		\LastTOCLevelWasHigher	
12735, 18079,		. . . . . 22652	
18169, 18218,		\LastTOCLevelWasLower	
18315, 18326,		. . . . . 22648	
18482, 18669, 18740		\LastTOCLevelWasSame	
\Large 561,		. . . . . 22650	
7539, 7602, 7676,		\LaTeX 14917,	
7921, 7922, 9826,		23408, 23409, 23421	
9919, 10518, 18558		\LaTeXe 23410, 23411	
\large . . 425, 431, 496,		\LBEG 3820	
502, 516, 668, 758,		\lcb . 3817, 3820, 3821, 3824	
768, 843, 849, 912,		\lccode 5504,	
1010, 1020, 1095,		5506, 23173, 23174	
1101, 1151, 1260,		\Lcs 3831	
1270, 1346, 1352,		\LcsStar 3832	
1356, 1361, 7546,		\leaders 19069,	
7609, 7675, 8438,		19809, 20582,	
8538, 8548, 8615,		21301, 21593,	
8715, 8725, 8811,		22862, 22971, 23669	
8817, 8882, 8888,		\leavevmode . . 14, 209,	
8902, 9825, 9827,		305, 378, 515, 532,	
			653, 667, 692, 744,
			881, 894, 911, 996,
			1059, 1136, 1150,
			1176, 1246, 1527,
			1541, 1544, 1563,
			1581, 1586, 1685,
			1703, 1709, 1846,
			2078, 2088, 2103,
			2367, 2470, 2473,
			2523, 2550, 2565,
			2580, 2613, 2646,
			2658, 2670, 2712,
			2738, 2914, 2952,
			2962, 3949, 4257,
			4722, 4776, 4833,
			7309, 7650, 8118,
			8194, 8423, 8437,
			8460, 8524, 8600,
			8614, 8637, 8701,
			8901, 8916, 8996,
			8997, 9135, 9187,
			10488, 10502,
			10756, 11254,
			11360, 11466,
			11575, 11684,
			11793, 11902,
			12011, 12120,
			12592, 12607,
			12888, 12903,
			13354, 13919,
			13965, 13985,
			14775, 14812,
			14844, 15053,
			15072, 15895,
			16921, 16933,
			16945, 17672,
			17753, 17758,
			17804, 17825,
			17975, 17989,
			18012, 18072,
			18211, 18347,
			18361, 18384,
			18576, 18591,
			18761, 18776,
			19069, 19809,
			20582, 21268,
			21319, 21543,
			21566, 21713,
			21744, 21767,
			21784, 21801,
			21818, 21835,
			21852, 21870,
			21889, 21909,
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24048,	24049,	844, 1011, 1096,	\link 4291
24055,	24056,	1261, 1347, 1356,	\list . 89, 292, 574, 709,
24057,	24062,	4161, 8539, 8716,	945, 972, 1222,
24074,	24077,	8812, 8883, 10573,	2314, 2335, 2358,
24079,	24086,	10638, 10668,	2370, 7705, 7723,
24090,	24092,	10739, 12673,	7732, 7740, 8480,
24095,	24096,	12738, 12994,	8668, 8977, 10539,
24109,	24110,	15754, 15883,	10810, 12647,
24118,	24119,	17894, 18087,	15023, 17260,
24120, 24295, 24297		18172, 18226,	18037, 18431,
\LetLtxMacro	13416, 13417	18318, 18327,	18625, 18828,
\Letter 4177	18485, 18561,	19358, 20119,
\lettergroup 7774	18672, 18743,	20884, 21614, 23461
\LettrineDepth	... 15188	19157, 19897,	\listdoubleitemmaincolumnwidth
\LettrineHeight	... 15187, 15195, 15200	20670, 21340, 4231, 4244,
		21379, 23638, 24058	4245, 4246, 4273, 4277



<code>\listfigurename</code>	7627, 7628	8258, 8261, 8264,	1977, 2008, 2037,
<code>\listitemmaincolumnwidth</code>		8268, 8271, 8274,	3400, 3677, 17758,
	..... 4230,	8522, 8699, 8841,	17792, 17800,
	4238, 4239, 4271	9134, 9979, 10000,	23209, 23418, 23420
<code>\listitemsymbol</code>	...	10600, 10697,	<code>\lowercase</code>
	.... 4172, 4229,	12700, 13250,	.... 4520,
	4270, 4272, 9781, 9879	13267, 13283,	4528, 4536, 4544
<code>\listitemsymbolwidth</code>		13311, 13325,	<code>\lowertitleback</code>
	..... 4228,	13339, 13895,	... 19200, 19235,
	4229, 4239, 4245	13909, 13918,	19322, 19940,
<code>\listofffigures</code>	.... 7625	13964, 14005,	19975, 20062,
<code>\listoftables</code>	.... 7633	14012, 14444,	20713, 20748, 20835
<code>\listparindent</code>	....	14455, 14466,	<code>\LR</code>
	. 945, 7725, 7732,	14477, 14492,	14913, 17725, 17758,
	7733, 23468, 23477	14507, 14550,	23394, 23418, 23420
<code>\listtablename</code>	7635, 7636	14567, 14588,	<code>\lrb</code>
<code>\llap</code>	. 1528, 1564, 1581,	14605, 14621,	..... 3819, 3828
	1588, 1686, 1704,	14638, 14652,	<code>\LRE</code>
	1711, 2317, 2339,	14669, 14683,	..... 3363, 3407,
	2903, 7712, 10335,	14700, 14925,	3648, 3682, 14912,
	11036, 11048,	15341, 16536,	17725, 17728,
	11060, 12796,	16586, 16636,	23021, 23394, 23397
	12802, 13446,	16658, 17070,	<code>\Lreset@listparshape</code>
	13458, 13470,	17074, 17078,	..... 15263
	13897, 14033,	17543, 17752,	<code>\LRfootnoterule</code>
	14035, 14037,	18070, 18135,	... 9974, 10900, 13176
	14039, 14042,	18209, 18276,	<code>\LS@rot</code>
	14044, 14047,	18472, 18515,	..... 15829
	14049, 15260,	18701, 18993,	<code>\lsb</code>
	21286, 21548, 21566	19023, 19732,	..... 3818, 3826
<code>\LoadClass</code>	... 7959, 7983	19762, 20505,	<code>\lst@caption</code>
<code>\long</code>	..... 34, 48,	20535, 21258,	. 15362,
	64, 237, 251, 266,	21444, 21448,	15368, 15375, 15380
	455, 742, 807, 994,	21451, 21455,	<code>\lst@alloverstyle</code>
	1057, 1244, 1309,	23215, 23412,	. 3807, 3813
	3749, 3967, 3970,	23508, 23885,	<code>\lst@HRefStepCounter</code>
	3973, 3978, 3981,	23889, 23893,	..... 15362, 15368
	3984, 4450, 4451,	23929, 23933,	<code>\lst@ifnumberbychapter</code>
	4460, 4463, 4474,	23937, 23996, 24099	..... 15401, 15402
	4653, 4657, 4690,	<code>\longindentation</code>	..... 15305, 15312
	4692, 4694, 4696,	. 10844	<code>\lst@MakeCaption</code>
	4939, 4943, 5053,	<code>\longthickrule</code>	... 15360, 15373
	5072, 5147, 5163,	..... 18553, 18559	<code>\lst@makecaption</code>
	5175, 5184, 5219,	<code>\loop</code>	..... 15357, 15390
	5247, 5259, 5260,	..... 3546,	<code>\lst@maketitle</code>
	5634, 5636, 5641,	3547, 3548, 5717,	15358, 15395, 15397
	5642, 5659, 5660,	5727, 9290, 9500,	<code>\lst@title@dropdelim</code>
	5667, 5676, 5679,	12199, 12208,	..... 15358
	5686, 5704, 6322,	15216, 17560,	<code>\lstKV@SwitchCases</code>
	6586, 6735, 6995,	17596, 17623,	..... 15306, 15313
	6999, 7003, 7039,	17634, 17661, 21399	<code>\lstset</code>
	7043, 7047, 7083,	<code>\looprepeat</code>	..... 3777
	7087, 7091, 7302,	5734, 5738,	<code>\LT@ohl</code>
	7389, 7418, 7447,	5782, 5853, 5860,	.... 15714, 15716
		5865, 5871, 5874,	<code>\LT@tabarray</code>
		5876, 5880, 5881, 5886	15713, 15717
		<code>\lower</code>	<code>\LT@array</code>
		..... 1973,	.... 14921,
			15703, 19591,
			19592, 20353,
			20354, 21118, 21119
			<code>\LT@bchunk</code>
		
			. 15744, 15751, 15755
			<code>\LT@caption</code>
			... 15722,
			19593, 19599,



19601, 20355,	\LTR@outputdblcol .	11908, 11928,
20361, 20363,	... 9390, 12841,	11989, 12017,
21120, 21126, 21128	13669, 16777,	12037, 12098,
\LT@cols 15757,	23768, 23812, 23814	12126, 12146,
19575, 20337, 21102	\LTRbidituftesidenotemarginpar 12366, 12394, 12429	
\LT@endopen 15802	... 7022, 7348, 7498	\LTright 15706,
\LT@endpbox 15724	\LTRcite 15708, 15710, 15749	
\LT@err 15803	7292, 7412, 7441,	\LTRmarginnote 7495
\LT@foot 14936,	7470, 7492, 7501, 7510	\LTRmarginpar 23868
14940, 15806,	\LTRcolumnfootnotes	\LTRmulticolcolumns
15810, 15819, 15822	..... 11019	..... 17028
\LT@head ... 15813, 15826	\LTRdblcol 23814	\LTRsidenote .. 7217, 7477
\LT@hline 15722	\LTRdfnmakecol ... 10132	\LTRthanks . 418, 438,
\LT@kill 15722	\LTRfootfootmark ..	473, 492, 7831,
\LT@lastfoot 15806, 15808, 15819	.. 10921, 11046,	7839, 7856, 7872,
\LT@LL@FM@cr 15731, 15735	11260, 11366,	7883, 8804, 8824,
\LT@make@row 15752	11472, 11581,	8859, 8878, 10660,
\LT@makecaption ... 15756, 15767,	11690, 11799,	10680, 10715,
19567, 20329, 21094	11908, 12017,	10734, 13385,
\LT@mcol 15712, 15757,	12126, 12394, 13456	16523, 18207,
19575, 20337, 21102	\LTRfootmarkstyle .	18247, 18293,
\LT@no@pgbk . 15720, 15721	..... 11032, 11071	18313, 18467,
\LT@nofcols 15751	\LTRfootnote ... 418,	18497, 18537,
\LT@output 15800	492, 2278, 3905,	18555, 18664,
\LT@p@ftn 14545,	3913, 7481, 7831,	18684, 18719,
14548, 14552,	8804, 8878, 10660,	18738, 19119,
14562, 14583,	10734, 13231,	19298, 19859,
14586, 14590,	13416, 13419,	20038, 20632, 20811
14600, 15793,	18207, 18313,	\ltx@firstofthree .
15794, 15796, 15797	18467, 18555,	..... 13101, 13125
\LT@p@ftntext 15786	18664, 18738,	\ltx@ifundefined ..
\LT@p@LTRftntext .. 14543,	19119, 19859, 20632	..... 13095, 13119
14550, 15787, 15792	\LTRfootnotetext ..	\ltx@secondofthree
\LT@p@RTLftntext .. 14581,	.... 3971, 3982,	..... 13104, 13128
14588, 15788, 15795	8262, 8272, 13387,	\ltx@thirdofthree .
\LT@rows ... 15746, 15771	13389, 14546,	. 13097, 13114, 13121
\LT@setprevdepth . 15747	15793, 21445, 21449	
\LT@start .. 14938, 14948	\LTRfootscript	M
\LT@startpbox 15728, 15735, 15784	.. 11032, 11049,	\m@addvipersep
\LT@tabularcr 15718	11053, 11055,	..... 16719, 16819
\LT@caption 15769, 15773, 15774	13459, 13463, 13465	\m@m@float@spacing 11023
\LT@capwidth 15757	\LTRfoottextfont ..	\m@m@footnote@spacing
\LT@left 15708, 15710, 15748	..... 10922,	.. 10928, 10942,
\LTR .. 17717, 23370, 23372	10958, 10983,	10956, 10970,
\LTR@column@boxes . 16986, 17030, 17032	11111, 11232,	10981, 10992,
	11260, 11280,	11022, 11221,
	11340, 11366,	11231, 11241,
	11385, 11444,	11267, 11279,
	11472, 11492,	11292, 11303,
	11553, 11581,	11308, 11330,
	11601, 11662,	11339, 11348,
	11690, 11710,	11373, 11384,
	11771, 11799,	11396, 11406,
	11819, 11880,	11411, 11433,



11443,	11453,	\m@make@peightcol@footgroup	\m@mmf@prepare	10938,
11479,	11491,	..... 11864, 11954	10952,	10966,
11504,	11515,	\m@make@mpfivecol@footgroup	11027,	11229,
11520,	11542,	..... 11537, 11627	11239,	11249,
11552,	11562,	\m@make@mpfourcol@footgroup	11275,	11288,
11588,	11600,	..... 11428, 11518	11300,	11337,
11613,	11624,	\m@make@mpninecol@footgroup	11346,	11355,
11629,	11651,	..... 11973, 12063	11380,	11392,
11661,	11671,	\m@make@mppara@footgroup	11403,	11441,
11697,	11709,	. 12251, 12313, 12472	11451,	11461,
11722,	11733,	\m@make@mpsevendcol@footgroup	11487,	11500,
11738,	11760,	..... 11755, 11845	11512,	11550,
11770,	11780,	\m@make@mpsixcol@footgroup	11560,	11570,
11806,	11818,	..... 11646, 11736	11596,	11609,
11831,	11842,	\m@make@mptencol@footgroup	11621,	11659,
11847,	11869,	..... 12082, 12172	11669,	11679,
11879,	11889,	\m@make@mpthreecol@footgroup	11705,	11718,
11915,	11927,	..... 11325, 11409	11730,	11768,
11940,	11951,	\m@make@mptwocol@footgroup	11778,	11788,
11956,	11978,	..... 11216, 11306	11814,	11827,
11988,	11998,	\m@make@ninelcol@footgroup	11839,	11877,
12024,	12036,	..... 11967, 12058	11887,	11897,
12049,	12060,	\m@make@para@footgroup	11923,	11936,
12065,	12087,	. 12235, 12293, 12452	11948,	11986,
12097,	12107,	\m@make@para@footstart	11996,	12006,
12133,	12145,	.. 12236, 12242,	12032,	12045,
12158,	12169,	12294, 12300, 12490	12057,	12095,
12174,	12256,	\m@make@sevendcol@footgroup	12105,	12115,
12318,	12353,	..... 11749, 11840	12141,	12154,
12365,	12377,	\m@make@sixcol@footgroup	12166,	12362,
12408,	12427,	..... 11640, 11731	12374,	12386,
12441,	12459,	\m@make@tencol@footgroup	12423, 12437, 12451	
12469, 12478, 12487		\m@make@threecol@footgroup	\m@mold@footnotetext	
\m@m@h	11186,	..... 12076, 12167	. 11000, 11008, 12285	
11188,	11190,	\m@make@twocol@footgroup	\m@mold@LTRfootnotetext	
11193, 11194, 11199		..... 11319, 11404	..... 11001, 11009	
\m@m@k	11186,	\m@make@mpfootnotetext		
11188,	11193,	..... 11003, 11011, 12306		
11196, 11197, 11199		\m@mold@mpfootnotetext		
\m@m@makecolfloats		..... 11004, 11012		
. 12508, 12561, 12567		\m@mold@mpRTLfootnotetext		
\m@m@makecolintro .		. 11005, 11013, 12311		
. 12523, 12552, 12565		\m@mold@RTLfootnotetext		
\m@m@makecoltext ..		. 11002, 11010, 12290		
. 12512, 12562, 12575		\m@mopfootnote		
\m@m@singlespace . 11021		..... 12524, 12558		
\m@make@eightcol@footgroup	\m@minterparanoteglue	\m@mremovehboxes ..		
..... 11858, 11949	..... 12192, 12194	..... 12214,		
\m@make@fivecol@footgroup	\m@mipn@skip	12215, 12457,		
..... 11531, 11622	. 12184, 12191, 12193	12467, 12477, 12486		
\m@make@footstart .	\m@mmakehboxofhboxes	\m@mrigidbalance ..		
..... 11167, 11179	..... 12196,	..... 11188,		
\m@make@fourcol@footgroup	12206, 12456,	11193, 11305,		
..... 11422, 11513	12466, 12476, 12485	11310, 11408,		



11413, 11517,	\MakeLineNo 15266	\maketitlehookb . . 16581
11522, 11626,	\makeLineNumber . . .	\maketitlehookc . . 16583
11631, 11735,	. . . . . 15267, 15269	\maketitlenamefullwidth
11740, 11844,	\makeLineNumberLeft	. . . 9923, 9924, 9926
11849, 11953,	. . . . . 15272	\maketitlenamemaxwidth
11958, 12062,	\makeLineNumberRight	. . . 9921, 9922, 9926
12067, 12171, 12176	. . . . . 15280	\maketitlenamewidth
\m@msplitoff 11196, 11198	\maketag@@@ 336,	. . . . . 9925,
\m@mungebox	10321, 10334, 15858	9926, 9932, 9944
. . 12185, 12362,	\makethanksmark . . 16536	\maketitlepage 7893, 7935
12374, 12386,	\maketitle 110,	\maketitlepicturewidth
12423, 12437, 12451	313, 320, 412, 440,	. . . . . 9927,
\m@munvxh . . 12177, 12186	451, 475, 735,	9928, 9934, 9963
\m@ne . . . 304, 551, 560,	780, 802, 824,	\MakeUppercase . 125,
4504, 4699, 5454,	987, 1032, 1054,	571, 599, 600,
5461, 5713, 5718,	1076, 1237, 1282,	615, 706, 864, 969,
5728, 5809, 6990,	1304, 1326, 3745,	1116, 1219, 8403,
7034, 7078, 8751,	3757, 4252, 7807,	8477, 8580, 8665,
8909, 8946, 9290,	7911, 7935, 8515,	8790, 8791, 8974,
10508, 10517,	8560, 8692, 8737,	10536, 10807,
10778, 12600,	8798, 8826, 8837,	12644, 15096,
12617, 14768,	8861, 9828, 9942,	17937, 18034,
16960, 17818,	10561, 10585,	18192, 18428,
18584, 18769,	10596, 10618,	18651, 18652, 18825
18806, 19667,	10654, 10682,	\marginline
20437, 20440,	10693, 10717,	. 19407, 20168, 20933
21202, 21205,	12661, 12685,	\marginnote 7486
21694, 21736,	12696, 12718,	\marginpar
22790, 23880,	14715, 14716,	6556, 7264, 19408,
23924, 23959, 23962	15081, 16531,	20169, 20934, 23057
\m@th 403, 10324, 10329,	18063, 18108,	\marginparpush 6489, 23978
10335, 12889,	18130, 18152,	\marginparsep
12904, 15753,	18200, 18249,	. . . . 3735, 4137,
22862, 22971,	18271, 18295,	6530, 6533, 6537,
23442, 23536,	18461, 18499,	6689, 6696, 14032,
23608, 23610, 23669	18510, 18539,	14034, 14038,
\maincolumnwidth . .	18658, 18686,	14043, 14046,
4226, 4235, 4236,	18697, 18721,	14048, 23989, 23991
4237, 4238, 4240,	19071, 19194,	\marginparwidth 3734,
4244, 4259, 4263, 4288	19201, 19222,	4138, 6529, 6534,
\mainmatter 8010	19229, 19236,	6546, 6644, 6914,
\makeatletter . 5119, 5138	19300, 19811,	7007, 7051, 7095,
\makebox 10323,	19934, 19941,	14032, 14034,
10328, 10397,	19962, 19969,	14046, 14048,
10400, 10403,	19976, 20040,	23897, 23941, 23991
10410, 10418,	20584, 20707,	\markboth . . 124, 565,
10425, 10466,	20714, 20735,	8015, 10522, 15095
10470, 17372, 17390	20742, 20749, 20813	\math@cr@@@align . . 338
\makefooter	\maketitledetailsnewline	\mathindent . 12890, 12906
. . . 9846, 9847, 9863	9937, 9952, 9954,	\mathsurround 9024
\MakeFramed 13509	9955, 9956, 9957, 9958	\max@poem@no
\makelabel	\maketitledetailwidth	. . . 8210, 8312, 8313
2317, 2337, 2360,	. . . . 9929, 9931,	\maxdepth 12563,
2380, 7712, 23472	9932, 9933, 9934, 9949	12576, 13881, 13888



\maxdimen	\mdf@frametitlefontcolor	6116, 6122, 6220,
9331, 9332, 9334,	..... 15895	6273, 6274, 6275,
9394, 9395, 9397,	\mdf@horizontalmargin@equation	6289, 6290, 6292,
12358, 12370,	..... 15871	6570, 6666, 6893,
12382, 12419,	\mdf@ignoreevbadness	6894, 6962, 7566,
12433, 12447,	..... 15905	7567, 7568, 7570,
12761, 12809,	\mdf@lrbox . 15864, 15893	7571, 7575, 7576,
12810, 12811,	\mdf@par@local ... 15887	7577, 7579, 7580,
12845, 12846,	\mdf@patchamsthm . 15865	15151, 15193,
12847, 13516,	\mdfframetitleenv 15892	15194, 15197,
13677, 13678,	\mdfframetitleboxdepth	16632, 16633,
13680, 13726,	..... 15909	16963, 16982,
13727, 13729,	\mdfframetitleboxheight	17051, 17131,
16681, 16682,	..... 15908	17138, 19021,
16684, 16781,	\mdfframetitleboxtotalheight	19194, 19201,
16782, 16784,	..... 15910	19222, 19229,
21392, 21431,	\mdfframetitleboxwidth	19236, 19384,
22922, 22925,	..... 15907	19391, 19423,
22930, 22934,	\mdseries	19432, 19496,
22938, 22942,	. 307, 9822, 9824,	19498, 19500,
22946, 22950,	9826, 9827, 9914,	19501, 19502,
22954, 22958,	9915, 9916, 9919, 9920	19760, 19934,
23143, 23725,	\meaning	19941, 19962,
23726, 23728,	4413, 4416, 4659,	19969, 19976,
23772, 23773, 23775	5109, 5136, 5151,	20145, 20152,
\mbox	5169, 5177, 5186, 5253	20184, 20193,
13993,	\mediabutton	20257, 20259,
15260, 19127,	. 16456, 16516, 16517	20261, 20262,
19249, 19263,	\medskip	20263, 20533,
19278, 19867,	\medskipamount . 1723,	20707, 20714,
19989, 20003,	1732, 1741, 2540,	20735, 20742,
20018, 20640,	2555, 2570, 2645,	20749, 20910,
20762, 20776, 20791	2657, 2669, 10846	20917, 20949,
\mc@col@status@write	\mem@makecol 12551, 12577	20958, 21022,
..... 16990, 17011	\memRTLleftskip .. 16554	21024, 21026,
\mc@gridwarn	\memRTLraggedleft 16559	21027, 21028,
16980	\memRTLraggedright 16558	22369, 22371, 22374
\mc@lastcol@status@write	\memRTLrightskip . 16555	
..... 16996, 17019	\memRTLrightskip . 16556	\MH 10333, 10337, 10342,
\mdf@footnotedistance@length	\memRTLvleftskip . 16557	10343, 10347,
..... 15921	\memRTLvrightskip 16557	10351, 10352,
\mdf@footnoteinput 15929	\message .. 3620, 3622,	10356, 10364,
\mdf@footnoteoutput	13517, 13525,	10366, 10371,
..... 15918	13529, 13534,	10383, 10391,
\mdf@frametitleaboveskip@length	13542, 13548,	10396, 10399,
..... 15913	13558, 13563,	10402, 10404,
\mdf@frametitlealignment	13565, 13572,	10405, 10407,
..... 15894	13580, 13593,	10408, 10411,
\mdf@frametitlebelowskip@length	13601, 13606,	10412, 10414,
..... 15914	13611, 13624,	10415, 10417,
\mdf@frametitlebox	13635, 13643, 13655	10419, 10420,
.. 15893, 15906,	\MessageBreak	10422, 10423,
15907, 15908,	..... 148, 5371,	10426, 10427,
15909, 15911, 15912	5385, 5397, 5409,	10429, 10430,
\mdf@frametitlefont	6086, 6097, 6104,	10432, 10437,
..... 15896		



10438, 10439,	\mobile 4214	\multi@column@out 17123, 17166
10440, 10441,	\Mobilefone 4174	\multicol@leftmargin 16964, 16973
10442, 10443,	\mobilesymbol 4174, 9856, 9954	\multicols 17039
10444, 10445,	\mode 16127, 16460	\multicolumn 15712, 21366
10454, 10456,	\modernpoem 8365	\multiplefootnotemarker 7305, 7321,
10460, 10461, 10463	\modernpoem@obeylines 8112, 8365	7415, 7416, 7444,
\MHInternalSyntaxOff 10478, 15861	\modernpoem@par 8112, 8113, 8329	7445, 7473, 7474,
\MHInternalSyntaxOn 10318, 15855	\morefloats . . . 6796, 6893	11026, 11028, 11029
\MidFrameCommand . . . 13505, 13549, 13617	\moreLRE 3364,	\multiply 2408,
\minrowclearance 1460, 1494, 9129	3649, 17679, 23328	2412, 3719, 3724,
\mintagvsep 10338	\moreRLE 3366,	4062, 12273,
\missingfigure 23101, 23131	3651, 17680, 23329	12335, 17103,
\mix 15950, 15951, 15958,	\moveleft . . . 6946, 16875	17104, 17107,
15959, 15985,	\moveright 12996, 16973, 24061	17108, 17579, 17583
16002, 16025,	\mp@footgroupv@r . . . 11140, 11185,	N
16028, 16030,	11217, 11326,	\n@xt 3362,
16053, 16085,	11429, 11538,	3364, 3366, 3367,
16093, 16102,	11647, 11756,	3647, 3649, 3651, 3652
16113, 16124,	11865, 11974,	\na 17582, 17584,
16126, 16131,	12083, 12253, 12315	17586, 17595,
16132, 16134,	\mp@LTRfootgroupv@l 11132,	17597, 17622, 17623
16135, 16137,	11144, 12254, 12316	\narrower 23601
16149, 16158,	\mpfootnoterule 13203, 13207	\NAT@bibitem@first@sw 17268
16161, 16162,	\msg 16005, 16008,	\nb 17582, 17585, 17586,
16163, 16173,	16056, 16059,	17595, 17596,
16183, 16184,	16074, 16077, 16119	17617, 17633, 17634
16186, 16187,	\MT 10357,	\NC@find 21398
16192, 16193,	10363, 10365, 15856	\NC@rewrite@X 21397
16209, 16211,	\mult@cols 17069	\NeedsTeXFormat 3261, 3712,
16213, 16218,	\mult@firstbox 16987, 17001, 17007	3768, 3901, 4093,
16257, 16264,	\mult@footnotetext 151, 153,	4342, 4410, 6405,
16265, 16268,	17054, 17057, 17070	6971, 7513, 7659,
16286, 16288,	\mult@info 16961	7775, 7802, 7951,
16291, 16293,	\mult@LTRfootnotetext 155, 157,	7975, 8040, 9766, 9864
16296, 16303,	17059, 17062, 17074	\new@command . . . 4701, 4703
16311, 16313,	\mult@rightbox 16954, 16994,	\new@poem@width 8127, 8128, 8129,
16366, 16371,	16995, 16997,	8130, 8215, 8249, 8252
16382, 16383,	17016, 17017, 17020	\newblock . 4340, 8227,
16386, 16417,	\mult@RTLfootnotetext 159, 161,	8327, 17262, 17264
16422, 16424,	17064, 17067, 17078	\newboolean 6413,
16431, 16432,	\multfootsep . . 7306, 7324	6416, 6418, 6420,
16435, 16450,		6421, 6433, 6497,
16454, 16457,		6507, 6574, 6597,
16459, 16468,		6898, 7522, 7781, 7808
16471, 16481,		\newbox 8182, 8183
16482, 16484,		\newcommand 1952, 1960, 2449,
16507, 16513, 16517		
\mkern 22863,		
22864, 22972, 23670		



2457, 2476, 2938,	6265, 6266, 6298,	13430, 13433,
3296, 3297, 3303,	6299, 6300, 6301,	13436, 13439,
3309, 3326, 3327,	6312, 6409, 6410,	14076, 15319,
3331, 3332, 3343,	6411, 6412, 6434,	15330, 17025,
3346, 3349, 3353,	6437, 6464, 6491,	17028, 17031,
3373, 3374, 3389,	6492, 6493, 6494,	18974, 18975,
3405, 3421, 3550,	6509, 6528, 6564,	19713, 19714,
3806, 3812, 3815,	6566, 6567, 6572,	20486, 20487,
3816, 3817, 3818,	6573, 6575, 6576,	23012, 23014,
3819, 3820, 3821,	6583, 6584, 6585,	23319, 23320,
4118, 4204, 4209,	6593, 6596, 6684,	23368, 23369,
4210, 4211, 4213,	6702, 6912, 6920,	23460, 23582,
4214, 4215, 4217,	6930, 6933, 6941,	23583, 23685,
4218, 4220, 4221,	7110, 7111, 7112,	23813, 23814, 24011
4232, 4233, 4253,	7113, 7114, 7115,	\newcount . 3540, 3715,
4260, 4262, 4266,	7116, 7117, 7118,	3716, 4344, 4354,
4270, 4272, 4278,	7119, 7120, 7121,	4358, 4712, 5447,
4287, 4289, 4291,	7122, 7123, 7124,	5550, 5710, 5771,
4295, 4299, 4304,	7125, 7126, 7127,	5851, 11186, 23677
4316, 4340, 4346,	7128, 7129, 7130,	\newcounter 7193, 8311,
4519, 4527, 4535,	7131, 7132, 7133,	12915, 13079,
4543, 4560, 4566,	7134, 7135, 7144,	21923, 21927, 21928
4572, 4578, 4584,	7194, 7213, 7232,	\newdimen . 8073, 8074,
4590, 4596, 4602,	7254, 7260, 7285,	8124, 11186, 13805
4609, 4612, 4615,	7286, 7320, 7476,	\newenvironment ...
4621, 4633, 4639,	7477, 7478, 7486,	3853, 3864, 3873,
4651, 4654, 4656,	7495, 7504, 7517,	3882, 4317, 6543,
4663, 4667, 4673,	7518, 7641, 7694,	6558, 6561, 6599,
4680, 4683, 4686,	7774, 7787, 7821,	6726, 8300, 8364,
4689, 4691, 4693,	7822, 7823, 7824,	15017, 23372,
4695, 4714, 4743,	7825, 7826, 7827,	23382, 23538,
4768, 4797, 4822,	7828, 7879, 7893,	23547, 23556, 23565
4860, 4894, 4911,	8069, 8076, 8085,	\newfloat@@setwithin
4922, 4928, 4972,	8089, 8099, 8118,	..... 17295,
4977, 5099, 5123,	8315, 8316, 9937,	17301, 17309, 17311
5174, 5183, 5263,	10131, 10132,	\newfloat@Error .. 17314
5268, 5271, 5274,	10141, 10148,	\newfloat@setwithin
5277, 5280, 5283,	10164, 10170,	..... 17281
5287, 5290, 5304,	10186, 10193,	\newif 3324,
5316, 5329, 5344,	10862, 10876,	3325, 3329, 3330,
5908, 5909, 5925,	10903, 10907,	3333, 3334, 3335,
5940, 5944, 5950,	10913, 10919,	3336, 3337, 3338,
5953, 5956, 5959,	11073, 11076,	3339, 3341, 3342,
5964, 5967, 5970,	12216, 12281,	3633, 3634, 3635,
5974, 5978, 5981,	12538, 12577,	3636, 3637, 3638,
5982, 5983, 5985,	12578, 12579,	4095, 4124, 4303,
5993, 6002, 6004,	12580, 13019,	4351, 5125, 5616,
6014, 6016, 6028,	13022, 13081,	7996, 8184, 9769,
6030, 6037, 6045,	13086, 13088,	9771, 9773, 9775,
6047, 6056, 6058,	13094, 13110,	9840, 9867, 9869,
6069, 6071, 6072,	13134, 13146,	9871, 9873, 9936,
6076, 6080, 6150,	13200, 13246,	10860, 10861,
6160, 6164, 6169,	13247, 13248,	13077, 13085,
6203, 6241, 6264,	13301, 13303,	15863, 23010, 23011



<code>\newinsert</code>	18307, 18529, 18551, 18711, 18733	<code>\nobibliography</code> . . . 7190
3369, 3654, 6799, 6800, 6801, 6802, 6803, 6804, 6805, 6806, 6807, 6808, 6809, 6810, 6811, 6812, 6813, 6814, 6815, 6816, 6817, 6818, 6819, 6820, 6821, 6822, 6823, 6824, 6825, 6826, 6827, 6828, 6829, 6830, 6831, 6832, 6848, 6849, 6850, 6851, 6852, 6853, 6854, 6855, 6856, 6857, 6858, 6859, 6860, 6861, 6862, 6863, 6864, 6865, 6866, 6867, 6868, 6869, 6870, 6871, 6872, 6873, 11175, 11180, 11183, 11184	<code>\newpoem@tabcr</code> 8328, 8337, 8338 <code>\newsavebox</code> 3852, 6542, 6577, 6578 <code>\newskip</code> 3890, 3891, 3892, 4704, 12191, 13667 <code>\newthought</code> 7715 <code>\NewTokenList</code> 5657 <code>\newtoks</code> 3903, 4424, 4425, 5448, 5449, 5619, 5632, 5657, 5710, 8125, 13087, 17675, 23324 <code>\newXeTeXintercharclass</code> 3542, 3543 <code>\next</code> 23708, 23711 <code>\next@tdpage</code> . . 19128, 19137, 19208, 19245, 19254, 19258, 19268, 19272, 19283, 19287, 19868, 19877, 19948, 19985, 19994, 19998, 20008, 20012, 20023, 20027, 20641, 20650, 20721, 20758, 20767, 20771, 20781, 20785, 20796, 20800 <code>\next@tpage</code> . . . 19127, 19134, 19180, 19256, 19270, 19285, 19867, 19874, 19920, 19996, 20010, 20025, 20640, 20647, 20693, 20769, 20783, 20798 <code>\ninecolumnfootnotes</code> 11959 <code>\no@bib@break</code> 19370, 20131, 20896 <code>\noalign</code> . . 1374, 8238, 11196, 15719, 15720, 15721, 19568, 19594, 19596, 20330, 20356, 20358, 21095, 21121, 21123	<code>\nobidilogo</code> 3683 <code>\nobreak</code> 14, 16, 209, 211, 517, 535, 562, 566, 654, 655, 669, 695, 882, 883, 897, 913, 1137, 1138, 1152, 1179, 2090, 2097, 2926, 6329, 7313, 7653, 7654, 8138, 8140, 8146, 8424, 8425, 8439, 8463, 8601, 8602, 8616, 8640, 8754, 8762, 8774, 8903, 8919, 8949, 8954, 8962, 9180, 10491, 10504, 10519, 10523, 10531, 10758, 10781, 10786, 10795, 10839, 10840, 12594, 12610, 12619, 12623, 12631, 15072, 15074, 15119, 15826, 15920, 16924, 16935, 16936, 16947, 16948, 17821, 17823, 17976, 17977, 17991, 18015, 18348, 18349, 18363, 18387, 18578, 18594, 18763, 18779, 18808, 18812, 18820, 19345, 21553, 21570, 21577, 21718, 21721, 21749, 21750, 21772, 21773, 21789, 21790, 21806, 21807, 21823, 21824, 21840, 21841, 21857, 21858, 21875, 21876, 21894, 21895, 21914, 21915, 21949, 21950, 21985, 22147, 22148,
<code>\newlength</code>	4222, 4223, 4224, 4226, 4227, 4228, 4230, 4231, 4314, 6525, 6526, 6527, 6581, 6598, 7386, 9921, 9923, 9925, 9927, 9929, 21955, 21957, 21958, 22671	
<code>\newline</code> 4285, 6760, 19424, 19433, 20185, 20194, 20950, 20959		
<code>\newlinechar</code> 3592		
<code>\newlinetospace</code> . . . 6757, 6777, 6778, 6779, 8016, 8017, 8018		
<code>\newlistentry</code> 21920, 21987		
<code>\newpage</code> 465, 487, 816, 836, 1068, 1088, 1318, 1338, 6267, 6269, 6273, 6278, 6279, 6282, 6286, 6288, 6291, 7912, 7949, 7950, 8851, 8873, 9763, 10610, 10630, 10707, 10729, 12710, 12730, 15719, 16545, 18144, 18164, 18285,		



22257,	22259,	14657,	14658,	18701,	19011,
22350,	22382,	14660,	14687,	19050,	19128,
22387,	22390,	14688,	14689,	19131,	19135,
22855,	22860,	14691,	15748,	19345,	19530,
22868,	22969,	15793,	15796,	19541,	19750,
22970,	22974,	16384,	16649,	19790,	19868,
23667,	23668, 23672	19087,	19088,	19871,	19875,
\nobreakspace	..... 561	19089,	19090,	20291,	20302,
\node	. 23055, 23085, 23091	19091,	19092,	20523,	20563,
\noexpand	..... 393,	19367,	19368,	20641,	20644,
3925,	3926, 3940,	19827,	19828,	20648,	21056,
3941,	3968, 3971,	19829,	19830,	21067,	23033,
3974,	4379, 4420,	19831,	19832,	23036,	23038,
4429,	4433, 4453,	20128,	20129,	23040,	23043,
4457,	4556, 4658,	20600,	20601,	23047,	23049,
4659,	4661, 4718,	20602,	20603,	23105,	23167, 23600
4746,	4772, 4800,	20604,	20605,	\nointerlineskip	..
4826,	4829, 4863,	20893,	20894,	....	1812, 1825,
4866,	5104, 5105,	21262,	21334,	2547,	2562, 2577,
5106,	5108, 5109,	21371,	21372,	2802,	2807, 2950,
5134,	5136, 5154,	21445,	21452,	2967,	3045, 3052,
5155,	5156, 5159,	21930,	22462,	3068,	3141, 3147,
5166,	5167, 5168,	22495,	22502,	3162,	9990, 10011,
5170,	5176, 5177,	22507,	22508,	13488,	15903,
5179,	5185, 5186,	22594,	22994,	16971,	23986, 23994
5188,	5250, 5252,	22995,	22996,	\nopagebreak	.....
5253,	5467, 5613,	22997,	22998,	..	8192, 8202, 15721
5618,	5624, 5672,	22999,	23000,	\nopagenumbers	.... 4304
5700,	5703, 5706,	23001,	23002,	\normalbaselines	. 23442
5707,	5791, 5798,	23244,	23259,	\normalbaselineskip	
5801,	5802, 5819,	23287,	23293,	311,	6450, 12261,
5823,	5825, 5826,	23306,	23631, 24015	12272,	12323,
5827,	5835, 5836,	\noindent	..... 455,	12334,	15884, 17895
5837,	5840, 5841,	630,	639, 937,	\normalcolor	... 4070,
5842,	5877, 5934,	1189,	1198, 2498,	9141,	9352, 9417,
6095,	6096, 6098,	2505,	2512, 3749,	9649,	9668, 10452,
6234,	6339, 6373,	6552,	6745, 7336,	11104,	11128,
6374,	7162, 7164,	7354,	7372, 7489,	11136,	11144,
7172,	7565, 7568,	7498,	7507, 7717,	11158,	12532,
7574,	7577, 8259,	7737,	7898, 7900,	12545,	13377,
8262,	8265, 8317,	7902,	8093, 8473,	13497,	13702,
9721,	10073,	8661,	8841, 9037,	13749,	13850,
10125,	12917,	10600,	10697,	13860,	13867,
12918,	12923,	10842,	10905,	15105,	15922,
12924,	12976,	12360,	12372,	16949,	19648,
13818,	13828,	12384,	12421,	20411,	21176,
14536,	14546,	12435,	12449,	22734,	22756,
14554,	14555,	12461,	12471,	22760,	22975,
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14584,	14592,	12700,	13896,	23746,	23795,
14593,	14594,	15258,	16609,	23825,	23841,
14596,	14625,	17952,	17961,	23852,	23860,
14626,	14627,	18402,	18411,	24067,	24083, 24114
14629,	14656,	18477,	18520,	\normalfont	..... 25,



38, 52, 68, 85, 241, 255, 270, 288, 454, 457, 559, 806, 808, 1060, 1308, 1310, 2647, 2659, 2671, 3748, 3751, 3815, 3820, 3821, 3823, 3824, 3825, 3826, 3827, 3828, 3829, 6491, 7110, 7111, 7112, 7200, 7219, 7238, 7304, 7539, 7546, 7553, 7745, 8750, 8770, 8840, 8843, 8945, 8960, 10324, 10329, 10335, 10516, 10529, 10599, 10602, 10696, 10699, 10777, 10793, 11037, 11041, 11043, 11049, 11053, 11055, 11061, 11065, 11067, 12616, 12629, 12699, 12702, 13447, 13451, 13453, 13459, 13463, 13465, 13471, 13475, 13477, 15019, 15054, 15059, 15105, 15896, 16535, 16949, 17374, 17387, 18134, 18136, 18275, 18277, 18471, 18478, 18514, 18521, 18700, 18703, 18805, 18818, 19648, 20411, 21176, 21975, 21980, 21981, 22389, 22734, 22756, 22760, 22975, 23673, 24114	\normalRTLparaLTRfootnotes 12281 \normalsfcodes 12989, 24054 \normalsize 307, 1544, 1586, 1687, 1709, 2473, 6443, 6444, 6451, 7018, 7062, 7106, 7200, 7219, 7238, 7616, 9824, 9916, 12987, 16667, 18560, 19058, 19065, 19798, 19805, 20571, 20578, 22389, 23908, 23952, 24052 \NOT .. 6645, 6646, 6685, 6705, 6709, 7392, 7421, 7450, 7532, 7536 \null ... 420, 434, 488, 628, 631, 747, 776, 837, 935, 938, 999, 1028, 1089, 1187, 1190, 1249, 1278, 1339, 7653, 8227, 8471, 8474, 8527, 8556, 8659, 8662, 8704, 8733, 8806, 8820, 8874, 10567, 10581, 10631, 10662, 10676, 10730, 12667, 12681, 12731, 14986, 15003, 16925, 16935, 16936, 16947, 16948, 17950, 17953, 18075, 18104, 18165, 18214, 18243, 18308, 18400, 18403, 18479, 18493, 18552, 18666, 18680, 18734, 19145, 19170, 19208, 19885, 19910, 19948, 20658, 20683, 20721, 21287, 21293, 21315, 21718, 21749, 21772, 21789, 21806,	21823, 21840, 21857, 21875, 21894, 21914, 21949, 22350, 22855, 22969, 23667 \number 8, 139, 203, 4378, 4379, 4385, 4390, 4718, 4735, 4737, 4746, 4760, 4762, 4772, 4789, 4791, 4800, 4814, 4816, 4826, 4829, 4846, 4848, 4852, 4854, 4863, 4866, 4880, 4882, 4886, 4888, 4895, 4897, 4898, 4900, 4901, 4904, 4905, 4912, 4914, 4915, 5120, 5742, 5857, 5863, 5869, 5872, 5878, 5882, 8210, 8304, 9543, 9545, 9554, 9558, 9622, 9643, 9997, 10018, 10063, 10069, 10072, 10115, 10121, 10124, 10375, 10378, 15066, 17042 \numberline 6738, 15375, 15380, 16661, 21648, 22765, 22983, 22986, 22989 \numberline@box 22353, 22354 \numberline@tempa 22985 \numberwithin 329 \numexpr .. 4923, 6346, 22120, 22232, 22462 \nxLcs ... 3831, 3832, 3833 O \obeylines ... 8228, 8329 \ocgbase ... 16440, 16442 \oddpaper 3716, 3720, 3721, 3722, 3725, 3726, 3727 \oddsidemargin 3738, 4133, 10295, 10299, 10305, 14052, 14061, 14065, 19096, 19836,
\normalfootnotes 11006, 11017 \normallineskip 4162, 15883, 17894 \normalparindent 42, 56, 72, 245, 259, 274		



20609, 24036, 24040	\outer@nobreak	10568, 10663,
\offinterlineskip .	4088, 7012, 7056,	10752, 10776,
..... 2046, 2057	7100, 23902, 23946	10782, 10787,
\on@stripcols@break 9480	\outputpenalty	10791, 10796,
\onecolumn . . . . .	.... 9686, 9689,	10852, 10854,
.. 604, 620, 869,	9698, 9701, 9711,	10856, 10858,
1121, 4171, 8408,	9714, 15801, 15802	10901, 10902,
8585, 8795, 17942,	\overfullrule	12587, 12602,
18197, 18656, 21683	.. 4122, 4123, 17804	12615, 12620,
\opening ... 10827, 15107	\OVP@calc 17369	12624, 12627,
\OptArg 3832, 3898		12632, 12635,
\OptArg@i 3898, 3899	P	12637, 12639,
\OptArg@ii ... 3898, 3900	\p@ 27, 29, 30,	12641, 12668,
\OptArgs 3897	31, 99, 103, 219,	12769, 13166,
\optparams	223, 231, 233, 234,	13168, 13169,
6619, 7476, 7477,	235, 311, 421, 510,	13170, 13171,
7478, 7480, 7481, 7482	527, 539, 541, 543,	13172, 13204,
\OR 6613,	545, 597, 602, 613,	13923, 13930,
6685, 6705, 6709, 6961	617, 646, 662, 680,	13969, 13976,
\or 1410, 1411,	687, 723, 729, 748,	14021, 15034,
1412, 1414, 1415,	862, 866, 873, 889,	15038, 15047,
1435, 1436, 1437,	906, 924, 959, 961,	15049, 15050,
1441, 1442, 1443,	964, 966, 1000,	15051, 15103,
1444, 1445, 1449,	1114, 1118, 1129,	15121, 15123,
1450, 1478, 1479,	1145, 1163, 1171,	15125, 15127,
1480, 1482, 1483,	1203, 1209, 1250,	16587, 16917,
3428, 3434, 3440,	3370, 3655, 4161,	16929, 16941,
3446, 3452, 3458,	4162, 4166, 4167,	17035, 17036,
3460, 3462, 3464,	6445, 6446, 6447,	17083, 17085,
3470, 3476, 3482,	6454, 6455, 6456,	17086, 17087,
3495, 3503, 3510,	6458, 6459, 7664,	17935, 17939,
3520, 9112, 9113,	7665, 7666, 7668,	17968, 17984,
9114, 9116, 9117,	7669, 7735, 8401,	18000, 18007,
14380, 14384,	8405, 8416, 8432,	18022, 18028,
21962, 21965,	8448, 8455, 8494,	18076, 18190,
21968, 22908,	8500, 8528, 8578,	18194, 18215,
23019, 23026,	8582, 8593, 8609,	18340, 18356,
23248, 23297,	8625, 8632, 8647,	18372, 18379,
23700, 23701, 23703	8653, 8705, 8749,	18445, 18451,
\orig@footnotetext	8755, 8760, 8764,	18480, 18572,
.. 152, 17056, 17073	8766, 8769, 8772,	18586, 18602,
\orig@LTRfootnotetext	8776, 8778, 8788,	18604, 18606,
.. 156, 17061, 17077	8793, 8807, 8896,	18608, 18649,
\orig@RTLfootnotetext	8911, 8924, 8926,	18654, 18667,
.. 160, 17066, 17081	8928, 8930, 8944,	18756, 18771,
\origin@RaggedLeft	8950, 8955, 8958,	18784, 18786,
. 17923, 17925, 17926	8963, 9195, 9205,	18788, 18790,
\origin@RaggedRight	9218, 9228, 9241,	18804, 18809,
. 17924, 17925, 17926	9251, 9264, 9274,	18813, 18816,
\originalHbadness .	9571, 9578, 9737,	18821, 19059,
..... 23081, 23099	9757, 9975, 9976,	19063, 19066,
\othermargin 879	10483, 10497,	19070, 19621,
\outer 3709	10553, 10555,	19639, 19799,
	10557, 10559,	19803, 19806,



19810,	20383,	15627,	15630,	\pagestyle	2053,
20402,	20572,	15633,	15636,		3714, 4160, 4168,
20576,	20579,	15639,	15642,		4311, 6765, 8001, 9862
20583,	21148,	15645,	15648,	\pagetotal . . .	13518,
21167,	21681,	15651,	15654,		13523, 13529,
21956,	22124,	15657,	15660,		16544, 16885,
22127,	22131,	15663,	15666,		16888, 16899,
22236,	22239,	15669,	15672,		23143, 23148, 23206
22243,	22655,	15675,	15678,	\paperheight . . .	2933,
22658,	22662,	15681,	15684,		4097, 4100, 4103,
22668,	22779,	15687,	15690,		4106, 4109, 4112,
22963, 23661, 24124		15693,	15696,		4115, 4116, 10258,
\p@enumiv 86, 289, 580,		15699,	17047,		19101, 19841, 20614
715, 978, 1228,		21581, 21934, 23687		\paperwidth	2063,
2378, 4332, 8486,		\PackageInfo			2593, 2714, 2717,
8674, 8983, 10545,		. . . . 4708, 5971,			2720, 2741, 2743,
10816,	12653,	6073, 6220, 6412,			2748, 2750, 2769,
15020,	18043,	15192, 17906, 23005			2805, 2832, 2915,
18437,	18631,	\PackageWarning 138,			2917, 2922, 2924,
18834,	19374,	4707, 5324, 5441,			2935, 2959, 2972,
20135, 20900, 21620		6074, 6103, 8306,			2975, 2981, 2986,
\p@subfigure	21345	9778, 9876, 12919,			3008, 3016, 3028,
\p@subtable	21346	13622, 15150,			3048, 3054, 3056,
\PackageError		15162, 16981,			3070, 3074, 3096,
. 144, 4490,		17041, 17129,			3100, 3108, 3111,
4522, 4525, 4530,		17136, 17275,			3117, 3120, 3127,
4533, 4538, 4541,		21925, 22276, 22367			3130, 3144, 3149,
4546, 4549, 4706,		\PackageWarningNoLine			3151, 3164, 3168,
6283, 6410, 7518,		4365, 4736, 4761,			3187, 3190, 3193,
12218,	15310,	4790, 4815, 4847,			3199, 3202, 3218,
15317,	15485,	4853, 4881, 4887, 6270			3221, 3236, 4098,
15488,	15491,	\page@sotar . . . 164, 16953			4101, 4104, 4107,
15494,	15497,	\pagebreak			4110, 4113, 4116,
15500,	15503,	. 15720, 23151, 23160			4117, 10258,
15506,	15510,	\pagecontents 17739			10265, 10275,
15513,	15516,	\pagedepth 23145			19099, 19839, 20612
15519,	15522,	\pagefillstretch . 23157		\par . . . 5, 15, 46, 60, 76,	
15525,	15528,	\pagefilstretch . . 23156			107, 108, 109, 110,
15531,	15534,	\pagefootnoterule .			200, 210, 227, 228,
15537,	15540,	. . . . . 13202, 13210			229, 249, 263, 278,
15543,	15546,	\pagegoal 13516, 13518,			310, 313, 404, 423,
15549,	15552,	13523, 13530,			429, 431, 432, 451,
15555,	15558,	13571, 13573,			494, 500, 504, 516,
15561,	15564,	15807, 16887, 23148			535, 562, 565, 631,
15567,	15570,	\pageinwindow 9297			641, 655, 668, 695,
15573,	15576,	\pagenumbering 4169, 8000			756, 766, 773, 774,
15579,	15582,	\pageref 4308, 4310			802, 841, 847, 851,
15585,	15588,	\pageshrink 9533, 9536,			883, 897, 912, 938,
15591,	15594,	9562, 9586, 13532,			952, 1008, 1018,
15597,	15600,	13536, 13552,			1025, 1026, 1054,
15603,	15606,	13578, 13590, 23151			1093, 1099, 1103,
15609,	15612,	\pagestretch			1138, 1151, 1179,
15615,	15618,	. . . 9587, 13531,			1190, 1200, 1258,
15621,	15624,	13552, 13590, 23155			1268, 1275, 1276,



1304,	1344,	1350,	10840,	10850,	18315,	18321,
1355,	1360,	1363,	11151,	11257,	18326,	18331,
1538,	1541,	1546,	11260,	11263,	18334,	18349,
1578,	1583,	1590,	11363,	11366,	18362,	18387,
1697,	1705,	1712,	11369,	11469,	18403,	18413,
1723,	1732,	1741,	11472,	11475,	18477,	18482,
2102,	2470,	2474,	11578,	11581,	18488,	18490,
2500,	2507,	2514,	11584,	11687,	18491,	18510,
2529,	2540,	2544,	11690,	11693,	18520,	18558,
2555,	2559,	2570,	11796,	11799,	18563,	18566,
2574,	2619,	2626,	11802,	11905,	18577,	18594,
2632,	2638,	2645,	11908,	11911,	18669,	18675,
2657,	2669,	2816,	12014,	12017,	18677,	18678,
2818,	2866,	2887,	12020,	12123,	18697,	18740,
2895,	2963,	2965,	12126,	12129,	18746,	18750,
3061,	3063,	3156,	12461,	12471,	18762,	18779,
3158,	3709,	3745,	12480,	12489,	18808,	18812,
4086,	6639,	6647,	12593,	12610,	18820,	19049,
6706,	6707,	6710,	12619,	12623,	19142,	19143,
6711,	6736,	6745,	12631,	12670,	19148,	19151,
6746,	6915,	6931,	12676,	12678,	19153,	19160,
7655,	7770,	7771,	12679,	12696,	19164,	19166,
7772,	7773,	7898,	12735,	12741,	19168,	19183,
7900,	7902,	7920,	12745,	12913,	19187,	19209,
7921,	7922,	8096,	13373,	15042,	19217,	19345,
8203,	8217,	8228,	15043,	15044,	19464,	19521,
8246,	8321,	8329,	15063,	15073,	19529,	19532,
8354,	8425,	8438,	15081,	15109,	19540,	19542,
8463,	8474,	8536,	15114,	15117,	19553,	19560,
8546,	8553,	8554,	15119,	15209,	19789,	19882,
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8662,	8713,	8723,	15876,	15899,	19891,	19893,
8730,	8731,	8754,	15903,	16531,	19900,	19904,
8762,	8774,	8809,	16603,	16609,	19906,	19908,
8815,	8817,	8818,	16615,	16619,	19923,	19927,
8837,	8880,	8886,	16625,	16640,	19949,	19957,
8890,	8902,	8919,	16659,	16668,	20225,	20282,
8949,	8954,	8962,	16925,	16937,	20290,	20293,
9039,	9180,	9983,	16950,	17188,	20301,	20303,
10004,	10491,		17200,	17262,	20314,	20321,
10503,	10519,		17546,	17717,	20562,	20655,
10522,	10530,		17718,	17719,	20656,	20661,
10570,	10576,		17720,	17813,	20664,	20666,
10578,	10579,		17814,	17821,	20673,	20677,
10596,	10635,		17822,	17882,	20679,	20681,
10641,	10645,		17953,	17963,	20696,	20700,
10665,	10671,		17977,	17990,	20722,	20730,
10673,	10674,		18015,	18084,	20990,	21047,
10693,	10736,		18094,	18101,	21055,	21058,
10742,	10746,		18102,	18130,	21066,	21068,
10757,	10781,		18169,	18175,	21079,	21086,
10786,	10795,		18179,	18223,	21376,	21986,
10829,	10834,		18233,	18240,	21992,	22149,
10837,	10839,		18241,	18271,	22258,	22382,



22874,	22976,	17250,	17251,	8716,	8750,	8770,		
23033,	23034,	19576,	20338,	21103	8792,	8841,	8899,	
23040,	23041,	\parfillskip 13,		8914,	8945,	8959,		
23043,	23051,	208,	514,	531,	650,	9063,	9094,	9185,
23104,	23370,	666,	691,	877,	10486,	10500,		
23371,	23380,	893,	910,	1133,	10514,	10527,		
23381,	23539,	1149,	1175,	7646,	10600,	10697,		
23548,	23557,	8222,	8420,	8436,	10754,	10777,		
23566,	23635,	8459,	8597,	8613,	10792,	10904,		
23674,	24103,	8636,	8900,	8915,	11172,	11252,		
\par@update		9067,	9186,	10487,	11358,	11464,		
relative		10501,	10755,	11573,	11682,			
. 19139,		19879,	20652	11791,	11900,			
\paragraph		12389,	12393,	12009,	12118,			
. 7551		12397,	12591,	12388,	12392,			
\paragraphfootnotes		12606,	15071,	12396,	12497,			
. 12221,		12227	15883,	16918,	12506,	12590,		
\parbox		4257,	4259,	9850,	12605,	12616,		
10845,	12794,	16930,	16942,	12628,	12700,			
12795,	12796,	17836,	17849,	13895,	15038,			
12800,	12801,	17862,	17873,	15070,	15879,			
12802,	14181,	17972,	17988,	16919,	16931,			
14183,	14187,	18011,	18344,	16943,	17255,			
14189,	14220,	18360,	18383,	17837,	17850,			
14221,	14224,	18575,	18590,	17863,	17874,			
14225,	14282,	18760,	18775,	17938,	17974,			
14283,	14286,	21532,	21561,	17987,	18010,			
14287,	14311,	21591,	21710,	18070,	18087,			
14313,	14317,	21741,	21764,	18193,	18209,			
14319,	15757,	21781,	21798,	18226,	18346,			
16597,	16626,	21815,	21832,	18359,	18382,			
17186,	17188,	21849,	21867,	18477,	18520,			
17189,	17191,	21886,	21906,	18557,	18574,			
17193,	17194,	21941,	22136,	18589,	18653,			
17196,	17198,	22248,	22316,	18701,	18759,			
17200,	17201,	22318,	22382,	18774,	18805,			
17203,	17205,	22848,	22850,	18817,	19011,			
17206,	17207,	22964,	23577,	23662	19050,	19750,		
17208,	17209,	\parindent 12, 42, 56,		19790,	20523,			
17210,	17212,	72,	103,	207,	223,			
17213,	17214,	245,	259,	274,	455,			
17215,	17216,	513,	530,	557,	601,			
17217,	17218,	616,	652,	665,	690,			
17219,	17220,	742,	759,	865,	880,			
17221,	17223,	892,	909,	946,	994,			
17224,	17225,	1011,	1057,	1117,				
17226,	17228,	1135,	1148,	1174,				
17229,	17230,	1244,	1261,	2498,				
17231,	17233,	2505,	2512,	3749,				
17234,	17235,	4164,	6467,	7138,				
17236,	17237,	7647,	7689,	7697,				
17238,	17240,	7762,	7915,	8221,				
17241,	17242,	8324,	8404,	8422,				
17243,	17244,	8435,	8458,	8522,				
17245,	17247,	8539,	8581,	8599,				
17248,	17249,	8612,	8635,	8699,				



<code>\parsep</code> . . . 949, 6459, 6460, 7669, 7670, 7708, 7735, 23476	<code>\pbs</code> 17395, 17413	<code>\pgf@trimleft</code> . . . 17504
<code>\parshape</code> 9036, 13644, 13652, 15259, 17337, 17357, 17552, 17717, 17719, 18476, 18519, 19030, 19032, 19043, 19045, 19769, 19771, 19783, 19785, 20542, 20544, 20556, 20558, 23370, 23380, 23506, 23541, 23543, 23544, 23545, 23550, 23552, 23553, 23554, 23559, 23561, 23562, 23563, 23568, 23570, 23571, 23572	<code>\pdfcryptsetup</code> 3421, 3422, 3530	<code>\pgf@trimleft@final</code> . . . 17506, 17507, 17509
	<code>\pdflastxpos</code> . . . 4718, 4746, 4826, 4863	<code>\pgf@trimright</code> . . . 17511
	<code>\pdflastypos</code> . . . 4772, 4800, 4829, 4866	<code>\pgf@trimright@final</code> . . . 17513, 17514, 17516
	<code>\pdfm@box</code> 14987, 14995, 15004, 15012	<code>\pgf@x</code> 17505, 17509, 17512, 17516
	<code>\pdfsavepos</code> 4728, 4730, 4753, 4755, 4782, 4784, 4807, 4809, 4839, 4841, 4873, 4875	<code>\pgf@y</code> 17502
	<code>\pdfstringdefDisableCommand</code> 14911	<code>\pgfdeclarehorizontalshading</code> 2933
<code>\penalty</code> 751, 1003, 1253, 8142, 8464, 8531, 8641, 8708, 8920, 9024, 9030, 9683, 9695, 9708, 12190, 12390, 12394, 12398, 12611, 13553, 18016, 18079, 18218, 18388, 18595, 18780, 22150, 22772, 22880, 23147	<code>\pgf@baseline</code> 17501	<code>\pgfpathcircle</code> 1533
	<code>\pgf@insertlayers</code> 17523	<code>\pgfpathcurveto</code> . . . 1800
	<code>\pgf@nodecallback</code> 17479	<code>\pgfpathlineto</code> 1799, 1806, 1807
	<code>\pgf@oldpicture</code> . . 17486	<code>\pgfpathqcurveto</code> . . 1798
	<code>\pgf@picmaxx</code> . . 17480, 17492, 17494, 17512	<code>\pgfpathqmoveto</code> . . . 1797
	<code>\pgf@picmaxy</code> 17482, 17496	<code>\pgfpathrectangle</code> . 1820, 2975, 2981, 3016, 3074, 3100, 3168
	<code>\pgf@picminx</code> 17481, 17495, 17505	<code>\pgfpic</code> 17532
	<code>\pgf@picminy</code> 17483, 17497	<code>\pgfpicture</code> 17473
	<code>\pgf@picture</code> 17486	<code>\pgfpictureid</code> 17478, 17489
	<code>\pgf@picture@serial@count</code> 17477, 17478	<code>\pgfpicturetrue</code> 1828, 17476
	<code>\pgf@process</code> 17501, 17504, 17511	<code>\pgfpoint</code> . 1533, 1799, 1801, 1802, 1803, 1806, 1807, 1820, 1822, 2975, 2981, 3016, 3074, 3100, 3168
	<code>\pgf@relevantforpicturesize</code> 17500	<code>\pgfpointorigin</code> . . . 2981
<code>\part</code> 23, 15057	<code>\pgf@relevantforpicturesize@true</code> 17484	<code>\pgfsetcolor</code> 1828
<code>\partname</code> 561, 10518	<code>\pgf@remember@layerlist@global</code> 17518	<code>\pgfsetfading</code> . . 2976, 3017, 3075, 3101, 3169
<code>\partopsep</code> 2375, 7711, 16582, 16584, 17331, 17351	<code>\pgf@resetpathsizes</code> 17485	<code>\pgfsetfillcolor</code> 2974, 3012, 3014, 3073, 3099, 3167
<code>\PassOptionsToClass</code> 7953, 7954, 7955, 7956, 7957, 7977, 7978, 7979, 7980, 7981	<code>\pgf@restore@layerlist@from@global</code> 17522	<code>\pgfsys@discardpath</code> 17525
<code>\PassOptionsToPackage</code> 6970, 7800	<code>\pgf@shift@baseline</code> 17502	<code>\pgfsys@endpicture</code> 17528
		<code>\pgfsys@endscope</code> . 17527
		<code>\pgfsys@markposition</code> 17489
		<code>\pgfsys@shadingoutsidepgfpicture</code> 17537
		<code>\pgfsys@typesetpicturebox</code> 17532
		<code>\pgftext</code> 1535, 1689, 1690, 1822, 2983
		<code>\pgftransformshift</code> 1822
		<code>\pgfusepath</code> 1534, 1808, 1821, 2977, 2982, 3018, 3076, 3102, 3170



<code>\pgfuses shading</code> . 1822, 2940, 2942, 3006, 3049, 3094, 3145, 3252	8189, 8229, 8331, 8333, 8338, 8346, 8348	<code>\protect</code> 400, 3363, 3364, 3365, 3366, 3591, 3648, 3649, 3650, 3651, 3907, 3913, 3919, 3925, 3934, 3940, 4981, 4982, 5618, 5624, 6325, 6738, 12976, 13387, 13401, 15375, 15380, 15741, 16661, 21366, 21367, 21371, 21379, 21648, 21992, 23313, 24015
<code>\pgfutil@gobble</code> .. 17479	<code>\poem@verse</code> 8126, 8196, 8199	<code>\protected</code> 3648, 3650, 4706, 4707, 4708, 4929, 4937, 4939, 4945, 5131, 5147, 5163, 5186, 5188, 5241, 5296, 5311, 17681, 17691, 17701, 17709, 23330, 23340, 23350, 23359
<code>\pgfutil@ifnextchar</code> 17486	<code>\poem@width</code> 8129, 8130, 8134, 8211, 8213, 8216, 8249	<code>\protected@edef</code> . 43, 57, 73, 246, 260, 275, 2129, 2146, 2163, 2179, 2195, 2211, 7337, 7355, 7373, 10933, 10947, 10961, 10973, 10984, 10995, 11224, 11234, 11244, 11270, 11283, 11295, 11333, 11342, 11351, 11376, 11388, 11399, 11436, 11446, 11456, 11482, 11495, 11507, 11545, 11555, 11565, 11591, 11604, 11616, 11654, 11664, 11674, 11700, 11713, 11725, 11763, 11773, 11783, 11809, 11822, 11834, 11872, 11882, 11892, 11918, 11931,
<code>\phantom</code> ... 16130, 16976	<code>\poem@write@aux</code> 8252, 8304, 8316	
<code>\phantomsection</code> ... 4255	<code>\poemblocksep</code> 8123, 8227, 8327	
<code>\phone</code> 4215	<code>\poemcolsepskip</code> 8114, 8143	
<code>\phonesymbol</code> 4175, 9857, 9955	<code>\poemextrabaselineskip</code> ... 8116, 8204, 8239	
<code>\photo</code> 4220	<code>\poemmarginskip</code> 8115, 8137, 8138	
<code>\picbox</code> 17657	<code>\poemskip</code> 8117, 8217, 8248	
<code>\picinwindow</code> 9317	<code>\postbibhook</code> 16675	
<code>\picwd</code> 17545, 17548, 17656, 17658	<code>\postCutedStrip</code> ... 9709	
<code>\place@tag</code> . 338, 339, 341	<code>\postdisplaypenalty</code> 12887, 12901	
<code>\plainauthor</code> 6777, 7820, 7822, 7861, 7862, 7865	<code>\postmath</code> 9030	
<code>\plainfootnotes</code> .. 11017	<code>\PotEndMark</code> 10327, 10332, 10335	
<code>\plainpublisher</code> 7823, 7888, 7889	<code>\preCutedStrip</code> 9685, 9697	
<code>\plaintitle</code> 6778, 6779, 7820, 7821, 7844, 7845, 7848, 8016, 8018	<code>\predisplaydirection</code> 17765, 17766, 24111, 24112	
<code>\plitemsep</code> 7709	<code>\predisplaypenalty</code> 12886, 12900	
<code>\plparsep</code> 7708	<code>\premath</code> 9026	
<code>\plpartopsep</code> 7711	<code>\prepare@bidi@copyins</code> 13661, 13694, 13743, 13901	
<code>\pLRE</code> 3363, 3364, 3648, 3649	<code>\prepare@multicols</code> 17114	
<code>\PLS@Rotate</code> 17417, 17419, 17421	<code>\preparefootins</code> 13693, 13742	
<code>\pltopsep</code> 7710	<code>\PrependToTokenList</code> 5660	
<code>\poem@finish</code> 8253, 8303, 8310	<code>\prepnext@tok</code> 1407, 1417, 1465, 1497, 9104, 9132	
<code>\poem@line</code> 8180, 8186, 8237	<code>\presetkeys</code> 23133	
<code>\poem@linebegin</code> 8137, 8195	<code>\prevdepth</code> 6639, 6647, 9604, 10053, 10107, 16587, 16978	
<code>\poem@lineend</code> . 8138, 8201	<code>\pRLE</code> 3365, 3366, 3650, 3651	
<code>\poem@lineparsebegin</code> ... 8149, 8206, 8233	<code>\process@cols</code> . 16954, 16987, 17001, 17007	
<code>\poem@lineparseend</code> ... 8175, 8187, 8244	<code>\ProcessOptions</code> 4127, 6435, 7526, 7785, 7817, 7958, 7982, 9780, 9878	
<code>\poem@lineversesep</code> 8139, 8198	<code>\ProcessOptionsX</code> .. 3528	
<code>\poem@needrun</code> .. 8131, 8250, 8305, 8307		
<code>\poem@obeylines</code> 8232, 8301, 8341, 8365		
<code>\poem@prop</code> ... 8213, 8315		
<code>\poem@startedfalse</code> ... 8230, 8339, 8345		
<code>\poem@startedtrue</code> 8188,		



11943,	11981,	2999, 3087, 3182,	17600,	17604,
11991,	12001,	3241, 3251, 8393,	17609,	17613,
12027,	12040,	8570, 8747, 8780,	17625, 17636, 17663	
12052,	12090,	8993, 9048, 9090,	\prw@mkboth . . .	21654,
12100,	12110,	9092, 9095, 9133,	21659, 21671, 21676	
12136,	12149,	9176, 9191, 9287,	\ps@navigation	1968
12161,	12356,	9325, 9969, 10134,	\psgrid	17774
12368,	12380,	10253, 10256,	\pspicture	17771
12417,	12431,	10317, 10479,	\psset	17809
12445,	13258,	10652, 10826,	\pst@dima	17786
13275,	13291,	10859, 12583,	\pst@dimb 17784, 17789,	
13319, 13333, 13347		12759, 12788,	17791, 17796, 17799	
\protected@write 3489,		12804, 12881,	\pst@dimc	17802
3493, 6305, 6316		12911, 12920,	\pst@dimd	17783,
\protected@xdef . . .		12925, 13075,	17789, 17790,	
. . . . 2240, 2266,		13415, 13482,	17791, 17792,	
2292, 7400, 7429,		13659, 13902,	17796, 17797,	
7458, 7841, 7858,		14029, 14071,	17798, 17799, 17800	
7874, 7885, 13223,		14372, 15016,	\pst@hbox	17779,
13232, 13386,		15102, 15106,	17783, 17784,	
13391, 13400,		15128, 15265,	17785, 17801,	
13406, 14555,		15304, 15408,	17803, 17804, 17806	
14593, 14626,		15702, 15828,	\pst@ifstar	17771
14657, 14688, 14751		15854, 15862,	\pst@killglue	17775
\providecommand . . .		16519, 16676,	\pst@picture	17771
. . . . 4172, 4173,		16914, 16952,	\pst@shift	
4174, 4175, 4176,		17185, 17252,	. 17776, 17798, 17806	
4177, 4188, 4189,		17280, 17318,	\pst@tempa . 17788, 17790	
4190, 4191, 4192,		17339, 17359,	\publisher . . . 7878, 7879	
4193, 4194, 4195,		17393, 17416,	\publishers	
4196, 4197, 4198,		17424, 17472,	. 19320, 20060, 20833	
4199, 4200, 4201,		17536, 17542,	\put . . 9196, 9197, 9198,	
4202, 4203, 4412,		17770, 17811,	9199, 9200, 9201,	
7298, 7305, 7306,		17827, 17927,	9206, 9207, 9208,	
7715, 9841, 9846,		18182, 18459,	9209, 9210, 9211,	
13109, 22681,		18641, 18844,	9219, 9220, 9221,	
22685, 22690,		18973, 19712,	9222, 9223, 9224,	
22694, 22719,		20485, 21250,	9229, 9230, 9231,	
22723, 22728, 22732		21257, 21317,	9232, 9233, 9234,	
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17822, 18805,			



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19617,	19620,	21776,	21793,	21611, 21637, 23444
19626,	19634,	21810,	21827,	\renewrobustcmd ...
19636,	19638,	21844,	21862,	. 15892, 15918, 15929
19644,	19646,	21880,	21881,	\renewtagform 15860
19718,	19722,	21900,	21901,	\repeat 3546,
19726,	19730,	21920,	21988,	3547, 3548, 5722,
19797,	19804,	22269,	22334,	5729, 9303, 9579,
19811,	19861,	22647,	22649,	12204, 12213,
19863,	19982,	22651,	22667,	15219, 17570,
19984,	20069,	22674,	22676,	17617, 17628,
20070,	20078,	22678,	22698,	17639, 17667, 21403
20079,	20082,	22712,	22717,	\RequirePackage ...
20083,	20087,	22737,	22740,	.... 3315, 3317,
20090,	20092,	22741,	22755,	3318, 3319, 3320,
20111,	20136,	22759,	22764,	3321, 3553, 3770,
20165,	20166,	22884,	22991,	3771, 4129, 4130,
20167,	20168,	23013,	23031,	4131, 4132, 4139,
20171,	20212,	23053,	23065,	4140, 4155, 4208,
20229,	20243,	23101,	23580,	6091, 6092, 6108,
20249,	20329,	23581,	23812,	6152, 6153, 6156,
20352,	20354,	23813,	23814,	6408, 6470, 6472,
20375,	20377,	24124,	24167,	6479, 6500, 6504,
20379,	20382,	24169,	24170,	6540, 6541, 6764,
20388,	20396,	24171,	24226,	6974, 6975, 6976,
20398,	20401,	24228,	24230,	6977, 7181, 7182,
20407,	20409,	24232,	24236,	7297, 7516, 7691,
20491,	20495,	24238, 24242, 24244		7702, 7754, 7780,
20499,	20503,	\RenewDocumentCommand		7788, 7805, 7960,
20570,	20577,	..... 16123, 16456		7961, 7962, 7963,
20584,	20634,	\renewenvironment 83,		7964, 7965, 7984,
20636,	20755,	286, 569, 590,		7985, 7986, 7987,
20757,	20842,	606, 626, 633,		7988, 7989, 24158,
20843,	20847,	704, 855, 933,		24161, 24162,
20848,	20851,	940, 967, 1107,		24163, 24164, 24218
20852,	20856,	1185, 1192, 1217,		\RequireXeTeX . 3316, 3632
20859,	20861,	1845, 2080, 2366,		\reserved@a 4036, 4040,
20876,	20901,	6714, 6717, 6720,		4046, 4049, 4052,
20930,	20931,	6723, 7721, 7731,		4055, 4476, 4480,
20932,	20933,	7739, 7755, 7966,		4968, 4969, 4970,
20936,	20977,	8394, 8469, 8475,		6093, 6101, 6111,
20994,	21008,	8571, 8657, 8663,		6113, 6120, 6122,
21014,	21094,	8781, 8972, 9034,		6127, 6129, 6130,



6133, 6136, 6172, 6173, 6174, 6176, 6183, 6186, 6211, 6212, 6232, 6234, 6238, 6245, 6247, 6326, 6327, 22278, 22279, 22280, 22281, 22282, 22284, 22285, 22286, 22288, 22290, 22293, 22297, 22330, 22331, 22334, 22335, 22880, 22881	11807, 11819, 11832, 11870, 11880, 11890, 11916, 11928, 11941, 11979, 11989, 11999, 12025, 12037, 12050, 12088, 12098, 12108, 12134, 12146, 12159, 12354, 12366, 12378, 12415, 12429, 12443, 12987, 13252, 13253, 13269, 13270, 13285, 13286, 13315, 13316, 13329, 13330, 13343, 13344, 23907, 23951, 24051	19855, 20577, 20628 \rightfootnoterule 3461, 9971, 10897, 13177, 13891, 24120 \rightline ... 17769, 23590, 23594, 23596 \rightlinenumbers 15292, 15300 \rightmargin ... 948, 7707, 7726, 7734, 7740, 13637, 13641, 17822, 19005, 19744, 20517, 23467, 23478, 23484, 23490, 23498, 23502 \rightskip ... 12, 13, 207, 208, 305, 309, 513, 530, 533, 534, 624, 637, 648, 649, 654, 665, 690, 693, 694, 875, 876, 882, 892, 895, 896, 909, 931, 1125, 1131, 1132, 1137, 1148, 1174, 1177, 1178, 1196, 1874, 1875, 1878, 2451, 2461, 2696, 2698, 7645, 7652, 7653, 8223, 8412, 8418, 8419, 8424, 8435, 8458, 8461, 8462, 8589, 8595, 8596, 8601, 8612, 8635, 8638, 8639, 8899, 8914, 8917, 8918, 9050, 9051, 9052, 9178, 9179, 9185, 10486, 10489, 10490, 10500, 10754, 11171, 12496, 12505, 12590, 12605, 12608, 12609, 15070, 15071, 15882, 16554, 16555, 16918, 16922, 16923, 16930, 16935, 16942, 16947, 17833, 17835, 17846, 17848, 17859, 17861, 17870,
\reserved@b 4016, 4017, 4476, 4480, 4481, 6083, 6084, 6112, 6170, 6172, 6189, 6206, 6207, 6212, 6217, 6219, 6220, 6222, 6225, 6245, 6247	\ResetCounterPerPage 3554, 4346 \resizebox 13984 \restore@protect .. 4983 \restoreCaptionSkip 14165 \restorecounters@ 10379 \restylefloat 6964 \resumename 4209 \righskip 21990 \right 23432, 23441, 23443 \right@cor ... 16700, 16701, 16800, 16801 \right@footnoterule ... 26, 230, 414, 542, 728, 738, 963, 990, 1208, 1240, 2171, 2187, 8499, 8518, 8652, 8695, 8800, 8927, 10556, 10563, 10656, 10855, 12638, 12663, 13165, 13179, 13189, 13312, 13340, 15046, 15124, 15838, 15846, 17082, 18027, 18066, 18203, 18450, 18463, 18605, 18660, 18787, 19064, 19115, 19804,	
\reserved@c 6185, 6188, 6189, 6193, 6204, 6217, 6231, 6235		
\reserved@d 4475, 4480, 6205, 6224, 6237		
\reset@dir . 17736, 23405		
\reset@font 37, 51, 67, 240, 254, 269, 2126, 2143, 2160, 2175, 2191, 2207, 7017, 7061, 7105, 7333, 7334, 7351, 7352, 7369, 7370, 10929, 10943, 10957, 10971, 10982, 10993, 11222, 11232, 11242, 11268, 11280, 11293, 11331, 11340, 11349, 11374, 11385, 11397, 11434, 11444, 11454, 11480, 11492, 11505, 11543, 11553, 11563, 11589, 11601, 11614, 11652, 11662, 11672, 11698, 11710, 11723, 11761, 11771, 11781,		



17872,	17946,	23603, 23662, 23667	14359, 15829,
17959,	17970,	\RL . . . 14915, 17726, 23395	15831, 15833,
17971,	17976,	\rlap 306, 454, 805, 1307,	15949, 15957,
17987,	18010,	3748, 8840, 10599,	16479, 18868,
18013,	18014,	10696, 12699,	18877, 18915, 18926
18342,	18343,	12794, 12800,	\rotateframe 13033, 13070
18348,	18359,	13489, 13922,	\rotFPbot 18869,
18382,	18385,	13968, 14034,	18876, 18916, 18925
18386,	18396,	14035, 14048,	\rotFPtop 18867,
18409,	18458,	14049, 15104,	18878, 18914, 18927
18574,	18589,	16976, 17755,	\rrb 3819, 3829
18592,	18593,	18133, 18274,	\rsb 3818, 3827
18598,	18599,	18471, 18514,	\RTL . . 17719, 23380, 23382
18759,	18774,	18700, 19123,	\RTL@column@boxes .
18777,	18778,	19244, 19863,	. 17000, 17027, 17032
18997,	19736,	19984, 20636,	\RTL@outputdblcol .
20509,	21531,	20757, 21292, 23415	. . . 9327, 12805,
21536,	21547,	\RLE . 3365, 3650, 14914,	13718, 16677,
21560,	21564,	17726, 17727,	23721, 23812, 23813
21584,	21587,	17731, 23018,	\RTLbiditytesidenotemarginpar
21592,	21596,	23395, 23396, 23400	. . . 7066, 7366, 7507
21597,	21708,	\rmfamily 734,	\RTLcases . . 23442, 23445
21709,	21710,	986, 1236, 7535,	\RTLcite
21718,	21739,	7588, 7591, 7595,	7293, 7413, 7442,
21740,	21741,	7598, 7602, 7605,	7471, 7493, 7502, 7511
21749,	21762,	7609, 7612, 7616,	\RTLcolumnfootnotes
21763,	21764,	7619, 18062, 18199	. . . . . 11018
21772,	21779,	\romannumeral	\RTLdblcol 23813
21780,	21781,	. . . . 5768, 5769,	\RTLdfnmakecol . . . 10131
21789,	21796,	8252, 8315, 10387,	\RTLfootfootmark . .
21797,	21798,	10390, 10436,	. . 10915, 11058,
21806,	21813,	13028, 13029,	11263, 11369,
21814,	21815,	13030, 13031,	11475, 11584,
21823,	21830,	13033, 13034,	11693, 11802,
21831,	21832,	13035, 13036,	11911, 12020,
21840,	21847,	13037, 13040,	12129, 12398, 13468
21848,	21849,	13041, 13042, 23470	\RTLfootmarkstyle .
21857,	21865,	\rot@float@box 18852,	. . . . . 11033, 11072
21866,	21867,	18853, 18854,	\RTLfootnote . . . 419,
21875,	21884,	18868, 18877,	493, 2252, 3906,
21885,	21886,	18895, 18896,	3919, 7482, 7832,
21894,	21904,	18897, 18898,	8805, 8879, 10661,
21905,	21906,	18899, 18915, 18926	10735, 13222,
21914,	21939,	\rot@label . 18848, 18891	13417, 13425,
21940,	21941,	\rot@LR 18859, 18904	18208, 18314,
21949,	21989,	\rot@mess@toks 18851,	18468, 18556,
21991,	22784,	18863, 18873,	18665, 18739,
22846,	22847,	18882, 18894,	19120, 19860, 20633
22848,	22854,	18909, 18921, 18931	\RTLfootnotetext . .
22857,	22904,	\rot@message 18882, 18931	. . . . 3974, 3985,
22964,	22969,	\rot@pageref 18849, 18892	8265, 8275, 13401,
22992,	22999,	\rotate 18945	13404, 14584,
23368,	23369,	\rotatex . . . 13071,	15796, 21452, 21456
23575,	23602,	14097, 14146,	



\RTLfootscript	13280, 13296,	\scr@dte@def@l@targetocline
.. 11033, 11061,	13323, 13337,	..... 22155
11065, 11067,	13351, 16130, 17806	\scr@dte@def@l@tocline
13471, 13475, 13477		..... 22405
\RTLfoottextfont ..	S	\scr@dte@def@l@undottedtocline
..... 10916,	\s 15979, 15980	..... 21994
10944, 10994,	\save@dir .. 17735, 23404	\scr@dte@donumwidth
11112, 11242,	\savebox 10393,	..... 22674, 22675
11263, 11293,	14094, 14096, 14176	\scr@dte@largetocline@init
11349, 11369,	\saveCaptionSkip . 14126	..... 22156
11397, 11454,	\savecounters@ ... 10376	\scr@dte@nosub 22460,
11475, 11505,	\saved@@dir ... 17735,	22462, 22492,
11563, 11584,	17736, 23404, 23405	22493, 22495,
11614, 11672,	\saved@tempdimb ...	22500, 22502,
11693, 11723,	... 9501, 9584, 9593	22507, 22508,
11781, 11802,	\sbox 10459,	22520, 22525,
11832, 11890,	14128, 14145,	22533, 22538,
11911, 11941,	15146, 15154,	22592, 22594, 22745
11999, 12020,	15199, 15345,	\scr@dte@numberline@box
12050, 12108,	15758, 15948,	..... 22353, 22380
12129, 12159,	15956, 16148,	\scr@dte@pagenumberwidth
12378, 12398, 12443	16435, 16474,	..... 22391
\RTLmarginnote 7504	16479, 16591,	\scr@dte@tocline ..
\RTLmarginpar 23912	16606, 16638,	..... 22269, 22752
\RTLmulticolcolumns	17361, 21546,	\scr@dte@tocline@init
..... 17025	21563, 22355, 24101	..... 22406
\RTLsidenote .. 7236, 7478	\SC@FLOAT 21251, 24226,	\scr@dte@tocline@numberwidth
\RTLthanks . 419, 439,	24230, 24236,	..... 22356,
474, 493, 7832,	24238, 24242, 24244	22359, 22361, 22364
7840, 7857, 7873,	\SC@justify@caption	\scr@dte@tocline@numbox
7884, 8805, 8825,	.. 21254, 24228,	. 22355, 22357, 22371
8860, 8879, 10661,	24232, 24237,	\scr@dte@undottedtocline@init
10681, 10716,	24239, 24243, 24245	..... 21995
10735, 13399,	\sc@wm@text 10255	\scr@endstrut . 19521,
16524, 18208,	\scalebox 13982	19531, 19542,
18248, 18294,	\scantokens ... 5119, 5139	19553, 20282,
18314, 18468,	\scr@makesinglelinecaption	20292, 20303,
18498, 18538,	.. 19439, 19459,	20314, 21047,
18556, 18665,	19482, 20200,	21057, 21068, 21079
18685, 18720,	20220, 20243,	\scr@ifundefinedorrelax
18739, 19120,	20965, 20985, 21008	.. 19494, 19507,
19299, 19860,	\scr@caption 19593, 19595,	20255, 20268,
20039, 20633, 20812	19597, 20355,	21020, 21033,
\rtside 17600,	20357, 20359,	22029, 22077,
17602, 17613,	21120, 21122, 21124	22122, 22188,
17615, 17636, 17638	\scr@compatibility	22234, 22261,
\rule 46, 60,	.. 19072, 19173,	22282, 22287,
76, 249, 263, 278,	19296, 19812,	22343, 22458,
2133, 2150, 2167,	19913, 20036,	22460, 22489,
2183, 2199, 2215,	20585, 20686, 20809	22492, 22493,
4257, 9835, 10468,	\scr@dte@current ..	22500, 22518,
10472, 10475,	..... 22444, 22447	22520, 22531,
10910, 10916,		22533, 22549,
10922, 13263,		22589, 22590,



22592, 22608,	8472, 8660, 17951,	2827, 2995, 3083,
22661, 22688,	17960, 18401, 18410	3178, 3244, 3246, 3257
22707, 22726, 22742	\sectfont 17816	\SetBoolean 4519
\scr@LT@array . 14924,	\section . . . 570, 598,	\setboolean 6414, 6415,
19590, 19591,	614, 629, 635, 638,	6417, 6419, 6424,
19603, 20352,	705, 863, 936, 942,	6425, 6429, 6430,
20353, 20365,	944, 968, 1115,	6501, 6505, 6508,
21117, 21118, 21130	1188, 1194, 1197,	6513, 6515, 6519,
\scr@makemultilinecaption	1218, 4253, 4319,	6521, 6899, 7523,
.. 19441, 19446,	7537, 7559, 7627,	7524, 7525, 7782,
19488, 20202,	7635, 7750, 7753,	7783, 7784, 7809, 7810
20207, 20249,	7757, 8472, 8660,	\setbox 387, 1413, 1415,
20967, 20972, 21014	10535, 17951,	1416, 1472, 1768,
\scr@makesinglelinecaption	17957, 17960,	1774, 1783, 1828,
..... 19443,	18401, 18407, 18410	1829, 1860, 1905,
19451, 20204,	\sectionbib 21632	1910, 1921, 1971,
20212, 20969, 20977	\sectionfont . . . 4193,	1973, 1975, 1977,
\scr@parindent	4201, 9826, 9919	1982, 1993, 2008,
. 19705, 20478, 21243	\sectionstyle . 4201, 4259	2013, 2022, 2037,
\scr@samed@footnotetext	\sectiontitlecolour	2120, 2137, 2154,
..... 18976,	..... 4184,	2172, 2188, 2204,
18980, 19715,	9788, 9796, 9803,	2959, 3207, 3226,
19719, 20488, 20492	9810, 9817, 9887,	3391, 3668, 4068,
\scr@samed@L@Rfootnotetext	9893, 9899, 9905, 9911	6945, 7001, 7004,
.. 18974, 18977,	\selectfont 347,	7045, 7048, 7089,
18984, 19713,	4924, 7898, 7900,	7092, 8151, 8162,
19716, 19723,	7902, 17374, 17387	8368, 8382, 9008,
20486, 20489, 20496	\separatorcolumnwidth	9035, 9040, 9072,
\scr@samed@R@Lfootnotetext	4224, 4225, 4236,	9107, 9136, 9291,
.. 18975, 18978,	4242, 4258, 4263,	9292, 9296, 9299,
18988, 19714,	4269, 4327, 9933, 9963	9309, 9313, 9316,
19717, 19727,	\SepMark . . . 23454, 23455	9320, 9330, 9333,
20487, 20490, 20500	\seq 16211,	9334, 9348, 9365,
\scr@smashdp	16212, 17405, 17408	9381, 9393, 9396,
.. 19513, 19544,	\set@color 9136, 9141,	9397, 9411, 9424,
19547, 20274,	9149, 9155, 9163,	9440, 9465, 9466,
20305, 20308,	9170, 9175, 13496,	9470, 9502, 9503,
21039, 21070, 21073	23217, 23221, 23317	9505, 9506, 9509,
\scr@trim@spaces . 22280	\set@split@topskip@to	9510, 9538, 9544,
\scr@tso@figure@pagenumberformat	..... 9499, 9757	9547, 9555, 9593,
..... 22755	\set@typeset@protect	9594, 9624, 9644,
\scr@tso@table@pagenumberformat	..... 12982,	9681, 9692, 9705,
..... 22759	12986, 21339,	9755, 9979, 9987,
\scr@v@is@ge	23637, 24023, 24025	9988, 9992, 10000,
. 18992, 19731, 20504	\SetatBoolean 4535	10008, 10009,
\scr@v@is@gt 20071, 20093	\setbaselineskip . . 4922	10013, 10028,
\scr@v@is@le . . 20086,	\setbeamerfont 1613, 1700	10031, 10036,
20089, 20855, 20858	\setbeamersize	10040, 10048,
\scriptsize . . . . .	... 1929, 2593, 2875	10085, 10088,
... 1613, 1700, 7673	\setbeamertemplate	10093, 10097,
\scshape 8753	.... 2589, 2680,	10102, 10968,
\secshape . . 18557, 18598	2681, 2682, 2687,	10979, 10990,
\SectFont 629, 638, 936,	2688, 2691, 2692,	11082, 11188,
944, 1188, 1197,	2693, 2702, 2758,	11193, 11200,



11265,	11277,	16721,	16739,	7239, 7271, 7521,
11290,	11371,	16744,	16780,	8033, 8311, 8526,
11382,	11394,	16783,	16784,	8558, 8703, 8735,
11477,	11489,	16806,	16811,	8822, 8857, 10583,
11502,	11586,	16821,	16839,	10616, 10678,
11598,	11611,	16844,	16875,	10713, 12683,
11695,	11707,	16956,	16972,	12716, 13012,
11720,	11804,	17544,	17558,	15131, 15132,
11816,	11829,	17561,	17580,	16552, 17326,
11913,	11925,	17581,	17587,	17347, 18074,
11938,	12022,	17588,	17599,	18106, 18150,
12034,	12047,	17601,	17603,	18213, 18245,
12131,	12143,	17605,	17608,	18291, 18495,
12156,	12178,	17610,	17612,	18535, 18682,
12179,	12186,	17614,	17624,	18717, 19082,
12198,	12201,	17626,	17635,	19295, 19368,
12203,	12207,	17637,	17652,	19822, 20035,
12210,	12212,	17654,	17662,	20129, 20595,
12214,	12358,	17664,	17673,	20808, 20894, 21932
12370,	12382,	17754,	17755,	\setdefaultbibitems
12400,	12419,	17785,	17803,	..... 23459
12425,	12433,	18937,	18947,	\setdefaultmarginpar
12439,	12447,	18958,	18965,	..... 24002
12457,	12467,	21280,	21328,	\setDefaults 14083
12477,	12486,	21369,	21419,	\setfloatalignment 6573
12516,	12524,	21489,	22922,	\setfootnoteLR ... 13244
12539,	12555,	22925,	22930,	\setfootnoteRL ... 13242
12566,	12778,	22934,	22938,	\setkeys 1752,
12808,	12811,	22942,	22946,	1753, 1847, 1852,
12824,	12844,	22950,	22954,	1854, 1856, 1931,
12847,	12861,	22958,	23209,	2076, 2100, 2101,
12912,	12952,	23217,	23322,	2235, 2261, 2287,
12957,	13313,	23374,	23384,	3421, 8999, 9016,
13327,	13341,	23414,	23415,	10357, 10363,
13360,	13551,	23599,	23625,	10365, 13913,
13560,	13564,	23724,	23727,	13957, 14085,
13588,	13602,	23728,	23742,	15145, 15183,
13672,	13679,	23771,	23774,	17367, 17431,
13680,	13696,	23775,	23789,	18856, 18901, 23102
13721,	13728,	23818,	23820,	\setlatin 3326
13729,	13745,	23834,	23836,	\setlength 511,
13796,	13808,	23847,	23891,	528, 664, 688,
13842,	13844,	23894,	23935,	890, 908, 945,
13855,	13880,	23938,	23966,	946, 947, 948, 949,
13905,	13914,	23980, 23998, 24064		1147, 1172, 3893,
13921,	13922,	\setcaptionfont ... 6493		3894, 3895, 4097,
13967,	13968,	\setchapterpreamble		4098, 4100, 4101,
15737,	15746,	..... 20105, 20870		4103, 4104, 4106,
15805,	15810,	\setcitationfont .. 7128		4107, 4109, 4110,
15813,	15822,	\setcounter 436,		4112, 4113, 4115,
15868,	15900,	471, 746, 778, 822,		4116, 4117, 4122,
15906,	16680,	998, 1030, 1074,		4123, 4161, 4162,
16683,	16684,	1248, 1280, 1324,		4164, 4165, 4166,
16706,	16711,	3755, 7201, 7220,		4167, 4225, 4234,



4235, 4238, 4240,	\setLR 17761, 23423	\Setversedim
4243, 4244, 4246,	\setLTR 17722,	. . . 8046, 8050, 8076
4249, 4315, 4325,	17723, 17736,	\SetWatermarkText 10254
4326, 4327, 6438,	17761, 17762,	\sevendcolumnfootnotes
6465, 6466, 6467,	23391, 23392,	. . . . . 11741
6468, 6489, 6495,	23405, 23423, 23424	\sf@size 15054
6496, 6529, 6532,	\setLTRbibitems . . 23458	\sfcode 93, 296, 586, 718,
6536, 6582, 6634,	\setLTRcitationfont 7129	981, 1231, 2385,
6635, 7136, 7137,	\setLTRmarginnotefont	8489, 8677, 8989,
7138, 7139, 7145,	. . . . . 7126	10548, 10822,
7387, 7680, 7681,	\setLTRmarginpar . 24001	12656, 15027,
7682, 7683, 7684,	\setLTRsidenotefont 7123	17267, 18046,
7685, 7686, 7687,	\setLTRtable 3332	18440, 18637,
7689, 7690, 7692,	\setmarginnotefont 7125	18840, 19378,
7695, 7696, 7697,	\setnonlatin 3327	20139, 20904, 21626
7698, 7915, 7916,	\setparsizes	\sh@wgridXunit . . . 17774
8434, 8456, 8611,	. 19139, 19879, 20652	\sh@wgridYunit . . . 17774
8633, 8897, 8912,	\setRL 17760, 23422	\shadowbox 10453
9183, 9922, 9926,	\setRTL . 17721, 17724,	\shadowsize . . . 10463,
9928, 9931, 10339,	17736, 17760,	10467, 10468,
10484, 10499,	23044, 23084,	10471, 10472, 10475
11074, 11077,	23118, 23390,	\shipout 12982,
11114, 12589,	23393, 23405, 23422	13819, 13829, 24022
12603, 13358,	\setRTLbibitems . . 23457	\shortauthors
13899, 14007,	\setRTLcitationfont 7130	. . 115, 116, 121,
14008, 14014,	\setRTLmain 3640	15086, 15087, 15092
14015, 14017,	\setRTLmarginnotefont	\shortcite 17269
14018, 14087,	. . . . . 7127	\shorttitle
14088, 14100,	\setRTLmarginpar . 24000	. . 114, 115, 121,
14104, 14106,	\setRTLsidenotefont 7124	15085, 15086, 15092
14108, 14112,	\setRTLtable 3331	\showbox 13625
14114, 15137,	\setsidenotefont . . 7122	\showgrid@s 17773
15138, 15139,	\setSingleSpace . . .	\showoutput 13625
15140, 15179,	. . . . . 11020, 11025	\sidebarheight
15186, 15187,	\setspace@singlespace	. . . . 1985, 1993,
15188, 15200,	. . . 7332, 7350, 7368	2003, 2016, 2022, 2032
15201, 15224,	\setthesection . . . 16569	\sidecaptionsep 21252,
15229, 15232,	\settodepth 17362	21253, 24227,
15789, 17366,	\settoheight 10336, 17363	24231, 24236,
17986, 18008,	\settowidth 89,	24238, 24242, 24244
18358, 18380,	292, 575, 710,	\sidenote 7198,
18587, 18757,	973, 1223, 2371,	7252, 7290, 7385, 7476
18772, 19024,	4229, 8481, 8669,	\sidenotes 7295
19763, 20536,	8978, 9924, 10381,	\sideways 18963
21535, 21536,	10540, 10811,	\sixcolumnfootnotes
21584, 21585,	12648, 15023,	. . . . . 11632
21587, 21956,	15226, 17365,	\sixt@n 4035, 4057
21960, 21961,	18038, 18432,	\size@chapter 17816
21963, 21964,	18626, 18829,	\skip 3370, 3655,
21966, 21967,	19361, 19439,	8239, 8240, 10033,
21969, 21970,	20122, 20200,	10090, 11102,
21972, 21973,	20887, 20965,	11127, 11135,
22133, 22245,	21615, 22887, 22889	11143, 11157,
22672, 23523, 23526	\setupL@lbox 15178, 15185	11173, 11176,



11181,	12264,	17200,	17209,	16966,	16967,
12266,	12268,	17220,	17225,	17133,	17140,
12270,	12326,	17230,	17237,	17781,	18807,
12328,	12330,	17244,	17251, 17813	18850,	18893,
12332,	12498,	\smallskipamount ..	...	19020,	19193,
12507,	12530,	... 2653, 2665, 2677		19200,	19222,
12543,	13376,	\smash 6690, 6695, 6706,		19228,	19235,
13662,	13663,	6707, 6710, 6711,		19383,	19759,
13674,	13676,	6918, 9982, 10003,		19933,	19940,
13723,	13725,	13489, 15260,		19962,	19968,
13779,	13784,	17758, 23418, 23420		19975,	20144,
13847,	13858,	\SOUL@apo 21274		20532,	20706,
13865,	13899,	\SOUL@comma 21273		20713,	20735,
17089,	17095,	\SOUL@do 21276		20741,	20748,
17099,	17104,	\SOUL@eventuallyexhyphen		20909,	21439,
17108,	17170,	..... 21263		21441,	21498,
17174,	17742,	\SOUL@grave 21275		22373,	22375,
17748,	23823,	\SOUL@ignorespacesfalse		23006,	23689, 23971
23839, 23850, 23858		..... 21267		\spacefactor ... 7311,	
\skip@ 311, 312		\SOUL@lasttoken .. 21270		7316, 7322, 7325	
\slideentry 2392		\SOUL@lowerthan .. 21260		\spaceskip . 21307, 21312	
\sloppy 42,		\SOUL@minus 21272		\speci@ls .. 17151, 17158	
56, 72, 92, 245,		\SOUL@postamble .. 21277		\special	
259, 274, 295, 582,		\SOUL@preamble ... 21269		3392, 3566, 3575,	
717, 980, 1230,		\SOUL@soeventuallyskip		3669, 3695, 3744,	
2381, 4334, 8488,		..... 21264		17755, 21495,	
8676, 8985, 10547,		\SOUL@spaceskip .. 21265		21496, 21500,	
10818,	12655,	\SOUL@start 21258		21501, 21503, 23415	
13657,	15026,	\SOUL@ulcolor . 21289,		\spinemargin .. 10267,	
15885,	17266,	21295, 21301, 21309		10269, 10273, 10277	
17896,	18045,	\SOUL@uldp 21301		\split@prev	
18439,	18633,	\SOUL@uleveryspace 21303		. 13201, 13209, 13214	
18836,	19377,	\SOUL@ulht 21301		\splitbotmark 13562	
20138, 20903, 21622		\SOUL@ulleaders ...		\splitfirstmark ...	
\slshape ... 655, 883,		. 21289, 21295, 21311		.... 9337, 9400,	
1138, 4281, 8425,		\SOUL@uloverlap .. 21282		12814, 12850,	
8602, 9824, 9825,		\SOUL@ulunderline 21279		13561, 13683,	
9915, 9916, 9918,		\SOUL@word 21271		13732, 16687,	
17977, 18349, 18563		\soulomit 21262		16787, 23731, 23778	
\small 413, 638, 737, 944,		\space 3264, 5105, 5251,		\SplitFootnoteRule	
989, 1197, 1239,		5365, 5379, 5393,		..... 3463, 13200	
3780, 4195, 4285,		5403, 6086, 6273,		\splitfootnoterule	
4290, 4320, 7662,		6275, 6286, 6288,		..... 13204, 13212	
7663, 7728, 7736,		6291, 6754, 6759,		\splitmaxdepth 40, 54,	
7741, 7760, 8517,		6760, 6893, 6894,		70, 243, 257, 272,	
8694, 8799, 10562,		8753, 8948, 9519,		9331, 9394, 11119,	
10655,	12662,	9521, 9543, 9545,		12809, 12845,	
17960,	18065,	10780, 12618,		13256, 13273,	
18202,	18410,	13525, 13533,		13289, 13677,	
18462,	18659,	13534, 13558,		13726, 16681,	
19114, 19854, 20627		13566, 15163,		16781, 23725, 23772	
\smallcaps 8016, 8017, 8018		15195, 15196,		\splittopskip ... 40,	
\smallskip		16256, 16962,		54, 70, 243, 257,	
.. 17188, 17193,		16964, 16965,		272, 11118, 11190,	



11194,	11304,	5156, 5159, 5186,	\strip@pt 4610,
11305,	11309,	5188, 5251, 5324,	4923, 10203,
11310,	11407,	5371, 5372, 5385,	10206, 10211,
11408,	11412,	5386, 5397, 5398,	10214, 12277, 12339
11413,	11516,	5409, 5410, 5441,	\stripsep . 9382, 9441,
11517,	11521,	5455, 5456, 5457,	9457, 9464, 9684,
11522,	11625,	5458, 5462, 6086,	9696, 9710, 16715,
11626,	11630,	6095, 6099, 6105,	16717, 16724,
11631,	11734,	6116, 6273, 6275,	16815, 16817,
11735,	11739,	6286, 6288, 6289,	16824, 16886,
11740,	11843,	6290, 6291, 6293,	16889, 16891, 16898
11844,	11848,	6893, 6894, 9145,	\strut 46, 60,
11849,	11952,	9148, 9166, 9169,	76, 249, 263, 278,
11953,	11957,	12219, 12221,	2614, 2816, 2818,
11958,	12061,	13529, 13530,	2963, 2965, 3059,
12062,	12066,	13531, 13532,	3061, 3063, 3154,
12067,	12170,	13533, 13655,	3156, 3158, 3810,
12171,	12175,	13989, 13990,	10849, 11257,
12176,	13255,	17906, 17907,	11260, 11263,
13272,	13288,	19020, 19193,	11363, 11366,
13556, 13557, 17554		19194, 19200,	11369, 11469,
\stepcounter . . . 2239,		19201, 19222,	11472, 11475,
2265, 2291, 5421,		19228, 19229,	11578, 11581,
5427, 5435, 5441,		19235, 19236,	11584, 11687,
7209, 7228, 7247,		19383, 19385,	11690, 11693,
7279, 7399, 7428,		19391, 19423,	11796, 11799,
7457, 8209, 13011,		19424, 19432,	11802, 11905,
13082, 13152,		19433, 19496,	11908, 11911,
13222, 13231,		19497, 19500,	12014, 12017,
14750, 15704,		19501, 19759,	12020, 12123,
17321, 17325,		19933, 19934,	12126, 12129,
17342, 17346,		19940, 19941,	12390, 12394,
18847, 18890,		19962, 19968,	12398, 15899,
19414, 19415,		19969, 19975,	19483, 19512,
20175, 20176,		19976, 20144,	19524, 19535,
20940, 20941, 24094		20146, 20152,	19544, 20244,
\stopbreaks 10841		20184, 20185,	20273, 20285,
\str 15968, 16019,		20193, 20194,	20296, 20305,
16091, 16109,		20257, 20258,	21009, 21038,
16171, 16195,		20261, 20262,	21050, 21061,
16200, 16274,		20532, 20706,	21070, 21546, 21551
16305, 16318,		20707, 20713,	\strutbox . 40, 54, 70,
16340, 16394, 16426		20714, 20735,	243, 257, 272, 385,
\stretch 1474,		20741, 20742,	389, 2133, 2150,
1477, 9109, 9112		20748, 20749,	2167, 2183, 2199,
\string 359, 1384, 3490,		20909, 20911,	2215, 9600, 10911,
3494, 4377, 4413,		20917, 20949,	10917, 10923,
4419, 4491, 4493,		20950, 20958,	11119, 11304,
4511, 4512, 4515,		20959, 21022,	11309, 11407,
4516, 4699, 4718,		21023, 21026,	11412, 11516,
4746, 4772, 4800,		21027, 21465,	11521, 11625,
4826, 4829, 4863,		23005, 23262,	11630, 11734,
4866, 4950, 4951,		23309, 23689, 23709	11739, 11843,
4957, 5105, 5135,		\strip@prefix . 5156, 5169	11848, 11952,



11957, 12061,	\tabskip .. 395, 8219,	\textttt 3833,
12066, 12170,	15748, 15749,	3897, 3899, 3900, 5444
12175, 12259,	21335, 21373, 23632	\textwidth 1752,
12321, 13256,	\tabular 21434	1847, 1904, 1905,
13263, 13273,	\tabularnewline 404,	1920, 1921, 1990,
13280, 13289,	15718, 21337, 23634	2013, 2020, 2062,
13296, 13323,	\tabularx 21425	2063, 2064, 2083,
13337, 13351,	\tabularxcolumn .. 21387	2087, 2091, 2123,
15723, 15739,	\tagform@ 336	2140, 2157, 2955,
15776, 15901,	\tamark 16535	3379, 3385, 3728,
19464, 19466,	\tcb@icolorbox .. 21523	4134, 4225, 4234,
19560, 19562,	\tcb@vbox 21510	4235, 4247, 4249,
20225, 20227,	\tcd .. 17551, 17558, 17559	6532, 6536, 6635,
20321, 20323,	\tcdsav 17551	6936, 6937, 8077,
20990, 20992,	\tcl .. 17575, 17576, 17582	9349, 9357, 9412,
21086, 21088,	\tcn 17559, 17560, 17582,	9605, 9645, 9655,
21329, 21330,	17583, 17584, 17585	9835, 9850, 9922,
21365, 23626, 23627	\Telefon 4175	9931, 10045,
\subfig@oldlabel ..	\tencolumnfootnotes	10266, 10276,
..... 6624, 6626	..... 12068	10282, 10312,
\subfigure ... 6623, 6630	\TeX 14916, 17737,	11189, 12197,
\subitem	17738, 17759,	12824, 12830,
108, 228, 7771, 15043	23406, 23407, 23419	12862, 12952,
\subjclass 324	\textbf 13697,	13746,
\subject	4288, 7717, 13502,	13754, 14035,
. 19319, 20059, 20832	13504, 13506, 13508	14038, 14043,
\subparagraph	\textbullet 4172,	14049, 15873,
... 7573, 7574, 7577	9781, 9845, 9879	16745, 16753,
\subsection	\textcolor ... 10452,	16845, 16876,
... 4260, 7544, 7560	10467, 10471,	17036, 17071,
\subsectioncolour .	10474, 13492, 15167	17072, 17075,
..... 4186,	\textdef@ 345	17076, 17079,
9789, 9797, 9804,	\textdir 16434	17080, 17084,
9811, 9818, 9888,	\textendash . 743, 995,	17087, 19098,
9894, 9900, 9906, 9912	1058, 1245, 8523,	19108, 19141,
\subsectionfont 4194,	8700, 18071, 18210	19181, 19185,
4202, 9827, 9920	\textheight 3729,	19838, 19848,
\subsectionstyle ..	4136, 9365, 9424,	19881, 19921,
..... 4202, 4261	13665, 14087,	19925, 20611,
\subsubitem	18855, 18900,	20621, 20654,
109, 229, 7772, 15044	19100, 19105,	20694, 20698,
\subsubsection	19106, 19107,	23743, 23751,
... 7564, 7565, 7568	19840, 19845,	23790, 24068, 24084
\subtable 6630	19846, 19847,	\textwidth@footnoterule
\supereject 3709	20613, 20618,	..... 416,
\symbol 3823, 3833	20619, 20620, 24093	740, 992, 1242,
\sys	\textit 21992	8520, 8697, 8802,
	\textsf 3407	10565, 10658,
	\textsl .. 6777, 6778, 6779	12665, 13171,
	\textsuperscript ..	13182, 17086,
	... 7324, 11070,	18068, 18205,
	11071, 11072,	18465, 18662,
\tablinesep 21362	19056, 19796, 20569	19117, 19857, 20630

T



<code>\textwidthfootnoterule</code>	18737, 19118,	13555, 13556,
3465, 9973, 10899,	19297, 19858,	13558, 13563,
13180, 13892, 24121	20037, 20631, 20810	13565, 13566,
<code>\TeXXeTOff</code> . 17670, 23320	<code>\thankses</code> 323	13580, 13606,
<code>\TeXXeTOn</code> 17669,	<code>\the</code> . . . 124, 125, 1372,	13636, 13637,
17671, 23319, 23321	1466, 1467, 1469,	13638, 13643,
<code>\TeXXeTstate</code> . . 17669,	1470, 1937, 1939,	13644, 13645,
17670, 23319, 23320	1945, 1947, 3294,	13655, 13682,
<code>\TF@conlab</code>	3403, 3621, 3680,	13684, 13731,
. 13485, 13487, 13494	3720, 3722, 3725,	13733, 13959,
<code>\TF@savecolor</code> 13491, 13496	3727, 3966, 3968,	14004, 14537,
<code>\TF@Title</code> 13494	3971, 3974, 3979,	14545, 14546,
<code>\thanklessauthor</code> 7825,	3982, 3985, 4090,	14552, 14554,
7858, 7861, 7898	4426, 4428, 4429,	14583, 14584,
<code>\thanklesspublisher</code>	4450, 4452, 4453,	14590, 14592,
. 7826,	5120, 5457, 5552,	14623, 14625,
7885, 7888, 7902	5607, 5635, 5637,	14654, 14656,
<code>\thanklesstitle</code> 7824,	5644, 5646, 5648,	14685, 14687,
7841, 7844, 7900	5650, 5651, 5652,	15095, 15096,
<code>\thanks</code> 323,	5663, 5670, 5672,	15193, 15195,
417, 437, 472, 491,	5677, 5681, 5682,	15239, 15241,
741, 753, 779, 790,	5687, 5692, 5700,	15246, 15248,
791, 800, 823, 840,	5703, 5707, 5713,	15254, 15256,
993, 1005, 1031,	5797, 5798, 5799,	15261, 15793,
1042, 1043, 1052,	5824, 6339, 6346,	15796, 16384,
1075, 1092, 1243,	6375, 7166, 7176,	16686, 16688,
1255, 1281, 1292,	7311, 7322, 8128,	16699, 16716,
1293, 1302, 1325,	8135, 8259, 8262,	16723, 16729,
1343, 3756, 7824,	8265, 8269, 8272,	16786, 16788,
7825, 7826, 7827,	8275, 8380, 8995,	16799, 16816,
7830, 7837, 7838,	9000, 9044, 9105,	16823, 16829,
7854, 7855, 7870,	9336, 9338, 9399,	16899, 16962,
7871, 7882, 8521,	9401, 9481, 9501,	16964, 16965,
8533, 8559, 8698,	9507, 9511, 9518,	16966, 16967,
8710, 8736, 8803,	9519, 9520, 9521,	16968, 17260,
8823, 8858, 8877,	9522, 9523, 9543,	17430, 17446,
10566, 10584,	9545, 9554, 9558,	17450, 17453,
10617, 10634,	9581, 9582, 9583,	17478, 17502,
10659, 10679,	9585, 9586, 9587,	17509, 17516,
10714, 10733,	9588, 9621, 9685,	17676, 17677,
12666, 12684,	9697, 9709, 12263,	18863, 18873,
12717, 12734,	12325, 12813,	18882, 18909,
16522, 18069,	12815, 12849,	18921, 18931,
18081, 18107,	12851, 13080,	19088, 19089,
18118, 18119,	13095, 13096,	19090, 19368,
18128, 18151,	13099, 13100,	19828, 19829,
18168, 18206,	13103, 13156,	19830, 20129,
18220, 18246,	13160, 13214,	20601, 20602,
18259, 18260,	13387, 13401,	20603, 20894,
18269, 18292,	13518, 13525,	21358, 21359,
18312, 18466,	13529, 13530,	21389, 21408,
18496, 18536,	13531, 13532,	21410, 21434,
18554, 18663,	13533, 13534,	21439, 21441,
18683, 18718,	13542, 13548,	21442, 21445,



21446,	21449,	18610,	18612,	\thefootnotemark ..
21452,	21453,	18614,	18615,	. 19056, 19796, 20569
21456,	21564,	18792,	18794,	\theHchapter 17301
22301,	22371,	18796,	18797,	\theHsection 17309, 17311
22374,	22376,	18798,	18807,	\theindex . 98, 218, 15033
22462,	22788,	20072,	20074,	\thelstlisting 15375,
22791,	22792,	20087,	20090,	15380, 15403, 15406
22794,	22796,	20094,	20096,	\thempfn
22800,	22805,	20844,	20856,	2229, 2255, 2281,
22809,	22820,	20859, 20862, 21648		3991, 3999, 4007,
22821,	22824,	\thecontentspage 7591,		7400, 7406, 7429,
22830,	22834,	7598, 7605, 7612, 7619		7435, 7458, 7464,
22842,	22843,	\thedata . 7820, 7828, 7874		8280, 8287, 8294,
22880,	22896,	\theenumiv 86, 89, 289,		13223, 13228,
22900,	22999,	292, 581, 716, 979,		13232, 13237,
23162,	23174,	1229, 2379, 4333,		13365, 13391,
23179,	23200,	8487, 8675, 8984,		13396, 13406,
23201,	23203,	10546, 10817,		13411, 14404,
23325,	23326,	12654, 15020,		14415, 14426,
23470,	23527,	15023, 18044,		14556, 14594,
23695,	23697,	18438, 18632,		14627, 14658,
23709,	23730,	18835, 19375,		14689, 14751, 15931
23732, 23777, 23779		20136, 20901, 21621		\thempfootnote
\the@cornersize ...		\theequation .....		..... 13365, 15931
..... 12770, 12771		8509, 8686, 8931,		\theorem@indent 17335,
\thealgocf 168		10763, 12753,		17336, 17355, 17356
\theAlgoLine 24167		13045, 13058,		\theorem@prework . 17329
\theBackrefHyperFootnoteCounter		15105, 16570,		\theorem@postskipamount
..... 13421, 13427		18055, 18424,		..... 17330, 17350
\thechapter 308,		18609, 18791,		\theorem@preskipamount
7533, 8504, 8510,		20092, 20861, 24114		..... 17333, 17353
8512, 8514, 8681,		\thefigure 8511,		\thepage .. 3718, 3723,
8687, 8689, 8691,		8688, 8933, 10765,		4310, 6665, 6777,
8753, 8932, 8934,		12755, 13047,		6778, 6779, 6788,
8936, 8937, 8938,		13060, 16572,		6789, 8004, 8005,
8948, 10764,		18057, 18420,		8016, 8017, 8018,
10766, 10768,		18611, 18793,		9722, 9740, 17133,
10769, 10770,		20087, 20856, 21345		17140, 23206, 23971
10780, 12618,		\thefootdir@label .		\theparagraph ... 21,
12748, 12754,		.. 13080, 13083,		22, 216, 217, 548,
12756, 12758,		13112, 13117,		549, 702, 703,
13046, 13048,		13135, 13138, 13158		956, 957, 1215,
13050, 13051,		\thefootnote 453, 745,		1216, 7554, 8507,
13052, 13059,		804, 997, 1056,		8508, 8684, 8685,
13061, 13063,		1247, 1306, 3747,		8941, 8942, 10650,
13064, 13065,		8525, 8702, 8839,		10651, 10773,
15404, 16560,		10598, 10695,		10774, 12751,
16569, 16571,		12698, 14437,		12752, 13055,
16572, 16573,		18073, 18132,		13056, 13068,
17301, 17819,		18212, 18273,		13069, 15079,
18050, 18056,		18469, 18512,		15080, 16565,
18058, 18060,		18699, 19121,		16568, 18053,
18415, 18421,		19242, 19861,		18054, 18418,
18423, 18425,		19982, 20634, 20755		18419, 18618,



18619, 18801,	19333, 20078,	1399, 1423, 1432,
18802, 19335,	20080, 20847, 20849	11408, 11413,
19337, 20082,	\thesubsubsection 20,	17124, 17142,
20084, 20851, 20853	21, 215, 216,	21265, 21462, 21482
\thepart 553,	547, 548, 701,	\threecolumnfootnotes
561, 10510, 10518	702, 955, 956,	. . . . . 11311
\ther@tfl@t . . . 18848,	1214, 1215, 8506,	\tiny 3793, 7302, 7674
18849, 18891, 18892	8507, 8683, 8684,	\title . . 320, 445, 481,
\thesection 19,	8940, 8941, 10649,	785, 830, 1037,
214, 546, 700,	10650, 10772,	1082, 1287, 1332,
954, 1213, 7540,	10773, 12750,	3763, 4212, 4251,
8504, 8505, 8681,	12751, 13054,	7819, 7834, 8565,
8682, 8938, 8939,	13055, 13067,	8742, 8831, 8867,
10648, 10770,	13068, 15078,	10590, 10624,
10771, 12748,	15079, 16563,	10687, 10723,
12749, 13052,	16566, 18052,	12690, 12724,
13053, 13065,	18053, 18417,	18113, 18158,
13066, 15077,	18418, 18617,	18254, 18301,
16560, 16562,	18618, 18800,	18504, 18545,
17309, 17311,	18801, 19332,	18691, 18727,
18050, 18051,	19335, 20079,	19316, 20056, 20829
18415, 18416,	20082, 20848, 20851	\TitleBarFrame
18615, 18616,	\thetable 8513,	. . 13483, 13502,
18798, 18799,	8690, 8935, 10767,	13504, 13506, 13508
19331, 20070,	12757, 13049,	\titlecolour . . 4181, 9882
20078, 20843, 20847	13062, 16573,	\titlecontents . 7586,
\thesubparagraph 22,	18059, 18422,	7593, 7600, 7607, 7614
217, 549, 703,	18613, 18795,	\TitleFont 734,
957, 1216, 8508,	20090, 20859, 21346	750, 841, 843, 849,
8685, 8942, 10651,	\TheTokenList 5661	986, 1002, 1093,
10774, 12752,	\thinline 9195,	1095, 1101, 1236,
13056, 13069,	9205, 9218, 9228,	1252, 1344, 1346,
15080, 16567,	9241, 9251, 9264, 9274	1352, 1355, 1356,
18054, 18419,	\thispagestyle	1361, 8530, 8707,
18619, 18802,	. . . . . 101, 113,	18062, 18078,
19336, 20083, 20852	221, 469, 601, 616,	18169, 18171,
\thesubsection . . 19,	820, 865, 1072,	18177, 18199,
20, 214, 215, 546,	1117, 1322, 7905,	18217, 18315,
547, 700, 701,	7927, 7948, 8404,	18317, 18323,
954, 955, 1213,	8581, 8792, 8855,	18326, 18327, 18332
1214, 7547, 8505,	10614, 10711,	\titlefont 4190, 4198, 9915
8506, 8682, 8683,	10828, 10831,	\titleformat . . . 7530,
8939, 8940, 10648,	12714, 15036,	7537, 7544, 7551
10649, 10771,	15084, 15108,	\titlehead
10772, 12749,	15111, 16550,	. 19318, 20058, 20831
12750, 13053,	17938, 18148,	\titlepage 627,
13054, 13066,	18193, 18289,	934, 1186, 8470,
13067, 15077,	18533, 18653,	8658, 17949, 18399
15078, 16561,	18715, 19291,	\titlepage@restore
16564, 18051,	20031, 20804, 21680	. . 19086, 19092,
18052, 18416,	\thm@topsepadd 17330,	19112, 19214,
18417, 18616,	17331, 17334,	19241, 19826,
18617, 18799,	17350, 17351, 17354	19832, 19852,
18800, 19331,	\thr@@ . 356, 372, 1381,	19954, 19981,



20599, 20605,	16303, 16307,	\tocstyle@feature@pagenumberhook
20625, 20727, 20754	16328, 16336,	..... 22870, 22872
\titlepagestyle ...	16337, 16362,	\tocstyle@feature@parfillskip
. 19291, 20031, 20804	16366, 16367,	..... 22849, 22850
\titlespacing	16368, 16381,	\tocstyle@feature@raggedhook
... 7558, 7559, 7560	16453, 16454,	..... 22785
\titlestyle ... 4198, 9946	16462, 16463,	\tocstyle@feature@spaceafternumber
\tl 15951, 15959,	16464, 16465,	..... 22886,
15964, 15966,	16475, 16476,	22890, 22911, 22915
15967, 15968,	16477, 16482,	\tocstyle@indentstyle
15969, 15971,	16487, 16489,	..... 22836, 22906
15972, 15974,	16492, 16493,	\tocstyle@l@define
15977, 15981,	16498, 16499,	.. 22923, 22926,
15990, 15994,	16504, 16516, 16517	22931, 22935,
15997, 16002,	\tmpcount 5851, 5877	22939, 22943,
16007, 16015,	\toaddress . 10837, 15117	22947, 22951,
16017, 16018,	\toc@headstar 21670, 21675	22955, 22959, 22991
16019, 16020,	\tocbasic@DependOnPenaltyAndTOCLevel	..... 22979, 22986
16022, 16024,	..... 22272	\tocstyle@numberline
16026, 16027,	\tocbasic@SetPenaltyByTOCLevel	..... 22765, 22884
16029, 16035,	..... 22400	\tocstyle@saved@dottedtocline
16039, 16042,	\TOCEntryStyleStartInitCode	..... 22981
16043, 16046,	.. 19612, 19625,	\tocstyle@saved@numberline
16053, 16058,	19643, 20374,	..... 22989
16066, 16069,	20387, 20406,	\tocstyledepth 22776,
16070, 16071,	21139, 21152, 21171	22788, 22800,
16072, 16073,	\toclevel@subfigure	22820, 22821,
16076, 16082,	..... 21882	22824, 22842,
16083, 16084,	\toclevel@subtable 21902	22843, 22892,
16089, 16091,	\TOCLineLeaderFill	22894, 22896, 22900
16098, 16102,	..... 19629,	\tocstyleTOC
16107, 16109,	19645, 20391,	.. 22788, 22791,
16111, 16113,	20408, 21156,	22792, 22794,
16132, 16138,	21173, 22422, 22713	22796, 22800,
16139, 16140,	\tocstyle@numberline	22801, 22803,
16141, 16142,	..... 22887,	22804, 22808,
16154, 16157,	22889, 22907,	22812, 22813,
16160, 16162,	22909, 22912, 22914	22816, 22817,
16186, 16187,	\tocstyle@activate@call@l	22820, 22821,
16189, 16198,	..... 23000	22824, 22826,
16201, 16202,	\tocstyle@activate@features	22828, 22829,
16203, 16204,	..... 22777	22833, 22838,
16205, 16206,	\tocstyle@dottedtocline	22839, 22842,
16208, 16214,	..... 22764	22843, 22892,
16219, 16222,	\tocstyle@feature@dotohook	22894, 22895, 22899
16223, 16236,	..... 22863	\today 7828
16238, 16239,	\tocstyle@feature@entryhook	\toks 122,
16240, 16241,	..... 22859	124, 1466, 1467,
16242, 16243,	\tocstyle@feature@entryvskip	1469, 1470, 7159,
16244, 16253,	..... 22778, 22781	7160, 7166, 9105,
16256, 16260,	\tocstyle@feature@leaders	13561, 13562,
16261, 16262,	..... 22861, 22866	\tocstyle@feature@pagenumberbox 13563, 15093, 15095
16265, 16279,	\tocstyle@feature@pagenumberbox	\toks@ 121, 125,
16285, 16298,	..... 22869, 22872	



3390, 3403, 3667,	16794, 23729,	\ttl@leaders 21593
3680, 6371, 6375,	23738, 23776, 23785	\ttl@lselect 21600, 21603
9335, 9336, 9337,	\topsep 2376, 3875, 3884,	\ttl@makeline 21534, 21589
9338, 9398, 9399,	4325, 6458, 7668,	\ttl@margin . 21588, 21594
9400, 9401, 12812,	7710, 16582, 16584	\ttl@midlongest . . 21553
12813, 12814,	\topskip 301, 3741, 9499,	\ttl@outnoblock . . 21567
12815, 12848,	13567, 13569,	\ttl@savel@chapter 21602
12849, 12850,	13574, 16588,	\ttl@savel@part . . 21599
12851, 13681,	16879, 21646,	\ttl@hang 21533
13682, 13683,	21652, 21657,	\turn 18935
13684, 13730,	21664, 21669, 21674	\turnbox 18956
13731, 13732,	\TOTALHEIGHT 21494, 21498	\tw@ . . . 355, 363, 1380,
13733, 13956,	\totalheight 13986	1388, 1422, 1426,
13959, 13993,	\tovalue	1431, 4047, 4951,
13995, 13999,	5735, 5822, 5830,	11305, 11310,
14001, 14004,	5861, 5874, 5880, 5881	12775, 12776,
14534, 14537,	\tracingmacros 5850	13560, 13564,
15092, 15096,	\traditionalconnverses	13565, 13579,
16685, 16686,	. . . 8066, 8089, 8105	13583, 13588,
16687, 16688,	\traditionalhalfverses	13591, 13602,
16785, 16786,	. . . . . 8055,	13606, 13607,
16787, 16788,	8059, 8066, 8099	13608, 13609,
21408, 21428,	\traditionalpoem . . 8301	13612, 13911,
21434, 23729,	\traditionalpoem@cr	13912, 13922,
23730, 23731,	. . . 8179, 8228, 8229	13924, 13925,
23732, 23776,	\traditionalpoem@obeylines	13927, 13928,
23777, 23778, 23779	. . . . . 8109, 8301	13931, 13933,
\tolerance	\traditionalpoem@par	13934, 13968,
. . 11253, 11359,	. . . 8109, 8110, 8228	13970, 13971,
11465, 11574,	\trimb 7161, 7168	13973, 13974,
11683, 11792,	\trimc 7170	13977, 13979,
11901, 12010, 12119	\trivlist	13980, 15243,
\toname 10837, 15117	. 12903, 17332, 17352	16972, 16979,
\topheight	\ttdefault . . . 9821, 9913	16980, 16988,
. . 17563, 17565,	\ttfamily	16989, 16994,
17566, 17567,	3780, 3820, 3821,	16995, 17008,
17569, 17575,	3823, 3824, 3825,	17009, 17016,
17577, 17579,	3826, 3827, 3828, 3829	17017, 17040,
17580, 17581,	\ttl@a 21569, 21571	17045, 17755,
17644, 17645,	\ttl@b 21564,	17756, 19043,
17646, 17647,	21565, 21569, 21571	19045, 19783,
17651, 17652, 17656	\ttl@beginlongest 21539	19785, 20556,
\topins 17739	\ttl@calc . . 21534, 21546	20558, 21265,
\topmargin 3733,	\ttl@changecentercr	21363, 21461,
4135, 10308,	. . . . . 21538	21469, 21794,
12996, 19095,	\ttl@contentsstretch	23415, 23416,
19835, 20608, 24060	. . . . . 21576	23645, 23649, 23651
\topmark . . 9335, 9344,	\ttl@corr	\twocolumn
9398, 9407, 12812,	. 21591, 21592, 21595	. . 462, 598, 614,
12821, 12848,	\ttl@endlongest . . 21554	813, 863, 1065,
12857, 13681,	\ttl@filleft 21528, 21557	1115, 1315, 3717,
13690, 13730,	\ttl@filright 21529, 21558	8402, 8579, 8789,
13739, 16685,	\ttl@glcmds 21541	8848, 9721, 10607,
16694, 16785,	\ttl@hmode@error . 21540	10704, 12707,



16541, 17936, 18141, 18191, 18282, 18526, 18650, 18708, 19265, 19271, 19274, 20005, 20011, 20014, 20778, 20784, 20787, 21646, 21652, 21657, 21664, 21669, 21674	\twocolumnfootnotes 11202	\typeout 3293, 3295, 6661, 6663, 6664, 6665, 6667, 6669, 6670, 6671, 13090, 17795, 22788, 22800, 22820, 22821, 22824, 22842, 22843	\unhbox 1496, 8134, 8392, 9131, 12180, 12203, 12212, 12215, 12457, 12461, 12467, 12471, 12477, 12480, 12486, 12489, 14959, 14964, 14992, 14997, 15009, 15014, 23534, 23655, 23656, 23657, 23658
\TX@ 21385, 21386, 21414, 21415	\TX@align .. 21438, 21440	U	\unhcopy 14975, 14980, 21285, 21297, 21373
\TX@arith 21400	\TX@ckpt ... 21390, 21436	\uc@authornothanks .. 762, 791, 796, 1014, 1043, 1048, 1264, 1293, 1298, 8542, 8719, 18090, 18119, 18124, 18229, 18260, 18265	\unhskip 5654
\TX@col@width . 21387, 21393, 21398, 21441	\TX@cols 21394, 21398, 21442	\uc@ax 792, 793, 1044, 1045, 1294, 1295, 18120, 18121, 18261, 18262	\unitindent 637, 648, 649, 651, 725, 731, 875, 876, 878, 944, 945, 947, 948, 960, 965, 1059, 1131, 1132, 1134, 1196, 1205, 1211, 8418, 8419, 8421, 8496, 8502, 8595, 8596, 8598, 8649, 8655, 17959, 17970, 17971, 17973, 18024, 18030, 18342, 18343, 18345, 18409, 18447, 18453
\TX@endtabularx 14523, 14534, 14540, 21383	\TX@find@endtabularxa 21385, 21386	\uc@nothanks 753, 790, 791, 800, 1005, 1042, 1043, 1052, 1255, 1292, 1293, 1302, 8533, 8710, 18081, 18118, 18119, 18128, 18220, 18259, 18260, 18269	\unitlength 9195, 9205, 9218, 9228, 9241, 9251, 9264, 9274, 17366
\TX@find@endtabularxb 21415	\TX@find@endtabularxbb 21413	\uc@tx 790, 798, 1042, 1050, 1292, 1300, 18118, 18126, 18259, 18267	\unkern .. 7323, 9469, 9479
\TX@ftn . 21410, 21445, 21447, 21449, 21452, 21454, 21456	\TX@ftntext 21404	\uc@ty 799, 800, 1051, 1052, 1301, 1302, 18127, 18128, 18268, 18269	\unpenalty 9030, 9469, 9479, 12183, 12200, 12209, 13591
\TX@LTRftntext 21405, 21444	\TX@newcol 21387	\uncover .. 2132, 2149, 2166, 2182, 2198, 2214	\unrestored@protected@xdef 2246, 2272, 2298, 3991, 3999, 4007, 7406, 7435, 7464, 8280, 8287, 8294, 13228, 13237, 13396, 13411, 14404, 14415, 14426, 14437
\TX@old@table 21392	\TX@RTLftntext 21406, 21451	\undefined 6177, 8253, 8307, 8310, 8312	\unsetfootnoteRL 13243, 13244
\TX@target . 21393, 21407	\TX@trial 21397, 21402, 21418	\underline . 23604, 23612	\unsetLTR .. 17724, 23393
\TX@trial@ftn 21421, 21422, 21423	\TX@typeout@ 21395, 21437	\undertext 23612	\unsetRTL ... 17762, 23424
\TX@verb 21388	\TX@vwarn 21424	\unexpanded 4978, 4987, 4988, 4995, 4996, 5009, 5010, 5017, 5018, 5119, 5243, 19422, 19428, 19431, 19437, 20183, 20189, 20192, 20198, 20948, 20954, 20957, 20963	\unsetRTL ... 17723, 23392
\TX@xftntext 21404	\TX@xLTRftntext 21405, 21448		
\TX@xRTLftntext 21406, 21455			



<code>\unskip</code> . . .	46, 60, 76, 249, 263, 278, 336, 1448, 1449, 1450, 2084, 2367, 2388, 6715, 6718, 6721, 6724, 7414, 7443, 7472, 8161, 8172, 9027, 9333, 9396, 9469, 9479, 11152, 12181, 12182, 13374, 13679, 13728, 15858, 15900, 15903, 16683, 16783, 18940, 18950, 18968, 19485, 20246, 21011, 23727, 23774, 24003	12428, 12442, 12454, 12464, 12474, 12483, 12519, 12527, 12534, 12541, 12547, 13314, 13328, 13342, 13379, 13384, 13554, 13564, 13591, 13679, 13728, 13800, 13802, 13846, 13851, 13857, 13861, 13868, 13884, 15805, 15810, 15819, 15822, 15906, 15924, 16683, 16712, 16714, 16722, 16740, 16742, 16783, 16812, 16814, 16822, 16840, 16842, 16897, 17601, 17605, 17610, 17614, 17626, 17637, 17657, 17660, 17665, 17739, 17740, 17744, 17749, 23534, 23727, 23774, 23822, 23827, 23838, 23842, 23849, 23854, 23861	7612, 7619, 9822, 9826, 9827, 9914, 9919, 9920, 17814 <code>\urlstyle</code> 4154 <code>\use</code> 16082 <code>\usebeamercolor</code> 1530, 1566, 1582, 1589, 1596, 1619, 1640, 1661, 1692, 1755, 1760, 1770, 1831, 1863, 1866, 1911, 1994, 2023, 2310, 2319, 2332, 2341, 2355, 2421, 2428, 2433, 2524, 2614, 2619, 2620, 2626, 2632, 2638, 2647, 2649, 2659, 2661, 2671, 2673, 2726, 2804, 2816, 2818, 2839, 2886, 2893, 2902, 2926, 2963, 2965, 2980, 3063, 3158 <code>\usebeamerfont</code> 1529, 1544, 1545, 1565, 1586, 1587, 1595, 1618, 1639, 1660, 1691, 1709, 1710, 1725, 1727, 1734, 1736, 1743, 1745, 2308, 2318, 2330, 2340, 2353, 2418, 2473, 2474, 2490, 2491, 2492, 2525, 2542, 2548, 2557, 2563, 2572, 2578, 2586, 2619, 2620, 2626, 2632, 2638, 2647, 2659, 2671, 2715, 2718, 2722, 2727, 2745, 2752, 2781, 2816, 2818, 2882, 2894, 2919, 2926, 2963, 2965, 3038, 3047, 3059, 3063, 3065, 3114, 3123, 3133, 3143, 3154, 3158, 3160, 3196, 3205, 3224 <code>\usebeamertemplate</code> 1971, 1975, 1986, 1995, 2004, 2017, 2024, 2033, 2066, 2112, 2117,
<code>\untilcondition</code>	5736, 5750, 5834, 5877		
<code>\unvbox</code> . . .	2125, 2142, 2159, 2174, 2190, 2206, 9041, 9042, 9296, 9299, 9316, 9320, 9333, 9383, 9396, 9442, 9467, 9482, 9505, 9509, 9599, 9628, 9682, 9693, 9706, 9756, 9987, 9990, 9991, 10008, 10011, 10012, 10037, 10044, 10049, 10054, 10094, 10099, 10103, 10108, 10969, 10980, 10991, 11084, 11105, 11160, 11166, 11201, 11266, 11278, 11291, 11372, 11383, 11395, 11478, 11490, 11503, 11587, 11599, 11612, 11696, 11708, 11721, 11805, 11817, 11830, 11914, 11926, 11939, 12023, 12035, 12048, 12132, 12144, 12157, 12178, 12409,		
<code>\unvcopy</code>	9468, 9506, 9510, 9538, 9544, 9548, 9556, 10031, 10088		
<code>\uppercase</code>	308, 770, 790, 1022, 1042, 1272, 1292, 8550, 8727, 18098, 18118, 18237, 18259		
<code>\uppercasenonmath</code> .	. . . . . 114, 15085		
<code>\uppermargin</code>	10280		
<code>\uppertitleback</code> . . .	. . 19193, 19228, 19321, 19933, 19968, 20061, 20706, 20741, 20834		
<code>\upshape</code>	7591, 7598, 7605,		



2311, 2315, 2333, 2336, 2356, 2423, 2425, 2430, 2435, 2527, 2728, 2903, 2926	18630, 18833, 19367, 19372, 20128, 20133, 20893, 20898, 21619	6105, 6108, 6153, 6154 <code>\usetocbasicnumberline</code> 22352
<code>\usebox</code> 3860, 3870, 6556, 6688, 6690, 6695, 6697, 6706, 6707, 6710, 6711, 6918, 10398, 10401, 10409, 10416, 10424, 10431, 10474, 14094, 14098, 14181, 14183, 14187, 14189, 14194, 14196, 14200, 14202, 14206, 14208, 14212, 14214, 14220, 14221, 14224, 14225, 14229, 14230, 14233, 14234, 14237, 14238, 14241, 14242, 14256, 14257, 14259, 14260, 14272, 14273, 14275, 14276, 14282, 14283, 14286, 14287, 14291, 14292, 14295, 14296, 14299, 14300, 14303, 14304, 14311, 14313, 14317, 14319, 14324, 14326, 14330, 14332, 14336, 14338, 14342, 14344, 14357, 14359, 15260, 15262, 17362, 17363, 17365, 17372, 17390, 17672, 17673, 23322	<code>\usefontofkomafont</code> 19453, 19490, 20214, 20251, 20979, 21016 <code>\usekomafont</code> 19061, 19068, 19142, 19148, 19151, 19153, 19156, 19164, 19166, 19209, 19483, 19484, 19515, 19516, 19521, 19526, 19527, 19530, 19537, 19538, 19542, 19548, 19549, 19553, 19616, 19619, 19629, 19635, 19637, 19801, 19808, 19882, 19888, 19891, 19893, 19896, 19904, 19906, 19949, 20244, 20245, 20276, 20277, 20282, 20287, 20288, 20291, 20298, 20299, 20303, 20309, 20310, 20314, 20378, 20381, 20391, 20397, 20400, 20574, 20581, 20655, 20661, 20664, 20666, 20669, 20677, 20679, 20722, 21009, 21010, 21041, 21042, 21047, 21052, 21053, 21056, 21063, 21064, 21068, 21074, 21075, 21079, 21143, 21146, 21156, 21162, 21165 <code>\usepackage</code> 6095, 6096, 6101, 6102,	V <code>\vadjust</code> . 8137, 8138, 8145 <code>\valign</code> 11191, 11195 <code>\value</code> 7204, 7223, 7242, 7274, 13080, 13095, 13096, 13099, 13100, 13103, 15131, 15132, 15203, 15237, 19414, 20175, 20940, 21389 <code>\var@@leftcolumn@badness</code> ... 9507, 9519, 9525 <code>\var@@rightcolumn@badness</code> ... 9511, 9521, 9526 <code>\var@@thecol@num</code> 9451, 9453, 9722, 9740 <code>\vbadness</code> 9332, 9395, 11190, 11194, 12810, 12846, 12951, 13678, 13727, 16682, 16782, 17553, 23726, 23773 <code>\vbox</code> ... 306, 398, 404, 1416, 1483, 1751, 1869, 1979, 1985, 1993, 2003, 2016, 2022, 2032, 2046, 2061, 2120, 2137, 2154, 2172, 2188, 2204, 2550, 2565, 2580, 2810, 2820, 2845, 2865, 2867, 2960, 2968, 4071, 6945, 6946, 6948, 8121, 9035, 9040, 9118, 9296, 9299, 9316, 9320, 9333, 9348, 9365, 9381, 9396, 9411, 9424, 9440, 9465, 9466, 9505, 9506, 9509, 9510, 9538, 9544, 9547, 9555, 9594, 9624, 9644, 9652, 9657, 9664, 9671, 9681, 9692, 9705, 9755, 9761, 9979, 9987, 9988, 9996,
<code>\usecounter</code> 91, 294, 579, 714, 977, 1227, 2316, 2377, 4331, 7706, 8485, 8673, 8982, 10544, 10815, 12652, 15025, 18042, 18436,		



10000,	10008,	16839,	16844,	10008,	10567,
10009,	10017,	16875,	17411,	10581,	10662,
10031,	10036,	17587,	17588,	10676,	12667,
10040,	10043,	17601,	17605,	12681,	17745,
10047,	10048,	17610,	17614,	17950,	17953,
10065,	10072,	17626,	17637,	18075,	18104,
10088,	10093,	17652,	17654,	18214,	18243,
10097,	10098,	17656,	17659,	18400,	18403,
10101,	10102,	17664,	17701,	18479,	18493,
10117,	10124,	17708,	17709,	18666, 18680, 24065	
10968,	10979,	17716,	17825,	\vfill 2622, 2899,	
10990,	11082,	19493,	20254,	3709, 7901, 11191,	
11265,	11277,	21019,	21341,	11195,	12579,
11290,	11371,	21375,	21380,	17652,	17657,
11382,	11394,	22922,	22925,	17658,	18865,
11477,	11489,	22930,	22934,	18880,	18912,
11502,	11586,	22938,	22942,	18929,	19145,
11598,	11611,	22946,	22950,	19170,	19184,
11695,	11707,	22954,	22958,	19208,	19885,
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11816,	11829,	23359,	23367,	19948,	20658,
11913,	11925,	23524,	23529,	20683, 20697, 20721	
11938,	12022,	23623,	23640,	\vfuzz . . . 7172, 7175, 7176	
12034,	12047,	23727,	23742,	\vleftskip . 16556, 16557	
12131,	12143,	23774,	23789,	\voffset 3737	
12156,	12178,	23820,	23836,	\voidb@x 9008, 9072	
12358,	12370,	23847,	23981,	\vphantom 23085	
12382,	12406,	24022, 24061, 24064		\vpic . 17577, 17587, 17588	
12419,	12425,	\vboxL 17709,		\vrightrightskip . 16556, 16557	
12433,	12439,	18855, 18900, 23359		\vrule 387, 1495,	
12447,	12516,	\vboxR 17701, 23350		1569, 1575, 1583,	
12524,	12539,	\vcenter 398, 1480, 9115,		1590, 1599, 1608,	
12824,	12861,	21375, 23442,		1622, 1631, 1643,	
12952,	12957,	23531, 23532, 23623		1652, 1664, 1673,	
12982,	12997,	\veqno 327, 328		2806, 2842, 2849,	
13022,	13313,	\verb 21388		2853, 3209, 3228,	
13327,	13341,	\VerbBox . . . 10455, 10457		6947, 6948, 8120,	
13360,	13551,	\verse@i 8151,		8122, 9130, 9352,	
13564,	13588,	8182, 8188, 8196, 8237		9417, 9649, 9668,	
13679,	13696,	\verse@ii		12826, 12867,	
13728,	13745,	8162, 8183, 8189,		13702, 13749,	
13844,	13855,	8191, 8197, 8199, 8237		15737, 15791,	
13880,	15746,	\versewidth		16166, 16428,	
15805,	15810,	. . . 8114, 8124, 8216		16509, 16716,	
15813,	15818,	\vfil 420, 434, 628, 631,		16723, 16748,	
15819,	15822,	747, 776, 935, 938,		16816, 16823,	
15868,	15906,	999, 1028, 1187,		16850, 16879,	
16438,	16588,	1190, 1249, 1278,		16992, 17003,	
16683,	16706,	1987, 2005, 2018,		21301, 21329,	
16711,	16713,	2034, 2811, 2822,		21370, 23626,	
16721,	16739,	8121, 8471, 8474,		23746, 23795, 23995	
16744,	16783,	8527, 8556, 8659,		\vsize 9730,	
16806,	16811,	8662, 8704, 8733,		12972, 13516,	
16813,	16821,	8806, 8820, 9987,		13567, 15817,	



15825,	19090,	10646,	10663,	18676,	18735,
19107,	19830,	10666,	10672,	18741,	18747,
19847,	20603,	10731,	10737,	18751,	18771,
20620		10743,	10747,	18809,	18813,
\vskip	309, 312,	10782,	10787,	18821,	19060,
421, 424, 430, 489,		10796,	11102,	19067,	19149,
495, 501, 505, 567,		11127,	11135,	19152,	19154,
646, 748, 757, 767,		11143,	11157,	19163,	19165,
838, 842, 848, 852,		11173,	12498,	19167,	19210,
873, 1000, 1009,		12507,	12520,	19470,	19472,
1019, 1090, 1094,		12528,	12530,	19476,	19478,
1100, 1104, 1129,		12543,	12602,	19570,	19572,
1250, 1259, 1269,		12620,	12624,	19581,	19583,
1340, 1345, 1351,		12632,	12668,	19800,	19807,
1355, 1361, 1364,		12671,	12677,	19889,	19892,
1723, 1732, 1741,		12732,	12736,	19894,	19903,
1767, 1813, 1826,		12742,	12746,	19905,	19907,
1830, 1879, 1881,		12996,	13000,	19950,	20231,
1883, 1885, 1887,		13001,	13376,	20233,	20237,
1888, 2540, 2547,		13552,	13590,	20239,	20332,
2550, 2555, 2562,		13595,	13847,	20334,	20343,
2565, 2570, 2577,		13858,	13865,	20345,	20573,
2580, 2645, 2653,		13885,	15222,	20580,	20662,
2657, 2665, 2669,		15343,	15356,	20665,	20667,
2677, 2696, 2698,		15764,	15776,	20676,	20678,
2731, 2754, 2769,		15921,	16582,	20680,	20723,
2809, 2821, 2868,		16584,	16587,	20996,	20998,
2883, 2888, 2896,		16628,	16637,	21002,	21004,
2904, 2928, 2951,		16645,	16714,	21097,	21099,
2960, 2991, 3007,		16715,	16717,	21108,	21110,
3023, 3025, 3046,		16724,	16741,	21738,	21757,
3051, 3058, 3066,		16814,	16815,	21778,	21795,
3069, 3095, 3106,		16817,	16824,	21812,	21829,
3136, 3142, 3153,		16841,	16886,	21846,	21864,
3163, 3252, 4086,		16898,	16917,	21883,	21903,
8177, 8204, 8240,		16929,	16941,	21938,	22127,
8241, 8247, 8357,		17552,	17569,	22779,	22963,
8359, 8416, 8455,		17590,	17656,	23142,	23146,
8528, 8537, 8547,		17742,	17748,	23165,	23546,
8593, 8632, 8705,		17968,	18007,	23555,	23564,
8714, 8724, 8755,		18076,	18085,	23573,	23661,
8760, 8764, 8766,		18095,	18166,	23823,	23839,
8772, 8776, 8778,		18170,	18176,	23850,	23858,
8807, 8810, 8816,		18180,	18215,	23981,	24060,
8875, 8881, 8887,		18224,	18234,	24073,	24100, 24108
8891, 8911, 8950,		18309,	18316,	\vspace	4254, 6549, 6639,
8955, 8963, 9382,		18322,	18326,	6647,	7265, 7269,
9441, 9602, 9606,		18332,	18335,	7331,	7336, 7349,
9684, 9687, 9696,		18340,	18379,	7354,	7367, 7372,
9699, 9710, 9712,		18480,	18483,	7489,	7498, 7507,
10052,	10106,	18489,	18553,	7588,	7595, 7602,
10524,	10532,	18559,	18564,	7609,	7616, 7899,
10568,	10571,	18567,	18586,	7943,	7947, 8749,
10577,	10632,	18667,	18670,	8769,	8944, 8958,
10636,	10642,				



10776,	10791,	1974, 1978, 1998,	\WF@place .. 23174, 23180
10836,	10838,	2009, 2027, 2038,	\WF@putfigmaybe .. 23140
10840,	12615,	3208, 3227, 3398,	\WF@size ... 23153, 23207
12627,	15116,	3675, 8127, 8128,	\WF@startwrapping 23212
15118,	15888,	8188, 8189, 8191,	\WF@wfname
15901,	18804,	8197, 8237, 8331,	.. 23171, 23206, 23208
18816,	21646,	8333, 8346, 8348,	\WF@wrapil . 23200, 23203
21652,	21657,	9139, 9471, 10468,	\whilecondition 5736,
21664, 21669, 21674		10472, 12188,	5750, 5839, 5871
\vsplit 9291, 9292, 9309,		12786, 12913,	\whiledo 12956
9313, 9334, 9397,		13489, 13607,	\widowpenalty
9503, 9593, 9758,		13608, 13931,	... 92, 295, 585,
11200,	12811,	13933, 13977,	717, 980, 1230,
12847,	13560,	13979, 14100,	2384, 4334, 8225,
13680,	13729,	14181, 14183,	8488, 8676, 8988,
16684,	16784,	14187, 14189,	10547, 10821,
17558,	17561,	14220, 14221,	12655, 15026,
17580,	17581,	14224, 14225,	17266, 18045,
17599,	17603,	14249, 14250,	18439, 18636,
17608,	17612,	14252, 14265,	18839, 19377,
17624,	17635,	14266, 14268,	20138, 20903, 21625
17662, 23728, 23775		14282, 14283,	\WIDTH 21490, 21498
\vss .. 306, 1996, 2025,		14286, 14287,	\width .. 13510, 13911,
2846, 9368, 9427,		14311, 14313,	13999, 14001,
9610, 9616, 9632,		14317, 14319,	16475, 16484, 16508
9638, 9652, 9657,		14987, 14995,	\widthof ... 10323, 10328
9664, 9671, 9759,		15004, 15012,	\windowbox . 17654, 17660
10044,	10054,	15179, 15186,	\wlog 9580, 9621, 9643
10099,	10108,	15224, 15225,	\write 4376, 4717, 4745,
13023,	15810,	15350, 15759,	4771, 4799, 4825,
15822,	16439,	15907, 16594,	4828, 4862, 4865,
17587,	17588,	16598, 16600,	6326, 8110, 8113,
17659, 17825, 23534		16608, 16639,	8317, 21427, 23708
\vtop .. 398, 404, 1415,		16958, 17545,	\WriteEndXPostoaux 4743
1482, 7006, 7050,		17756, 17779,	\WriteEndXYPstoaux 4860
7094, 9041, 9117,		17806, 18852,	\WriteEndYPostoaux 4797
15728,	21341,	18897, 18953,	\WriteStartXPostoaux
21375,	21380,	18960, 21281,	..... 4714
23530,	23623,	21439, 21490,	\WriteStartXYPstoaux
23640, 23896, 23940		21547, 21564,	..... 4822
		22357, 22371,	\WriteStartYPostoaux
		23176, 23220,	..... 4768
		23416, 23600, 24102	\wstrutbox . 17564, 17566
\waslice 17587, 17605,		\WF@everypar 23139	
17610, 17626,		\WF@adjlw .. 23179, 23204	
17645, 17646, 17655		\WF@adjtlm . 23201, 23204	
\wbslice 17588,		\WF@box 23176, 23209, 23210	
17601, 17614,		\WF@floatfalse 23142,	
17637, 17644,		23150, 23160, 23163	
17646, 17647,		\WF@fltmes 23169	
17651, 17652,		\WF@info 23149,	
17659, 17664, 17665		23159, 23162,	
\wd 1773,		23171, 23206, 23208	
1778, 1792, 1814,		\WF@ovh 23176	
1891, 1904, 1920,			



<code>\XC@tmp</code> 23247, 23248, 23262, 23296, 23297, 23305, 23309	12813, 12815, 12849, 12851, 13214, 13682, 13684, 13731, 13733, 13874, 14535, 15172, 15744, 16686, 16688, 16786, 16788, 17502, 17509, 17516, 21564, 22804, 22808, 22829, 22833, 22895, 22899, 23174, 23179, 23200, 23201, 23203, 23204, 23730, 23732, 23777, 23779	134, 136, 207, 219, 223, 249, 263, 278, 306, 314, 318, 336, 357, 361, 364, 375, 390, 395, 401, 402, 466, 513, 525, 530, 557, 596, 601, 602, 612, 616, 617, 646, 647, 650, 652, 665, 690, 742, 759, 817, 861, 865, 866, 873, 874, 877, 880, 892, 909, 946, 949, 994, 1011, 1057, 1069, 1113, 1117, 1118, 1129, 1130, 1133, 1135, 1148, 1174, 1244, 1261, 1319, 1356, 1382, 1386, 1389, 1402, 1424, 1432, 1450, 1460, 1462, 1472, 1474, 1479, 1493, 1495, 1496, 1873, 1875, 1876, 1881, 1883, 1885, 1887, 1888, 1913, 2133, 2150, 2167, 2183, 2199, 2215, 3391, 3396, 3397, 3398, 3400, 3668, 3673, 3674, 3675, 3677, 4031, 4086, 4346, 4356, 4361, 4895, 4912, 5716, 5726, 6446, 6455, 6754, 6987, 6991, 7031, 7035, 7075, 7079, 7665, 7692, 7723, 7735, 7913, 8141, 8144, 8147, 8188, 8189, 8191, 8197, 8211, 8215, 8219, 8220, 8221, 8222, 8223, 8224, 8237, 8311, 8323, 8324, 8331, 8333, 8346, 8348, 8356, 8400, 8404, 8405, 8416, 8417, 8420, 8422, 8435, 8458, 8510, 8512, 8514, 8522, 8539, 8577, 8581, 8582, 8593, 8594, 8597,
<code>\XC@tstfalse</code> 23247, 23296		
<code>\XC@tsttrue</code> .. 23248, 23249, 23250, 23297, 23298, 23299		
<code>\XC@bidideclaredcolor</code> 23303, 23308		
<code>\XC@bidideclaredcolor</code> 23302, 23304		
<code>\XC@bidiundeclaredcolor</code> 23287, 23289		
<code>\XC@coremodel</code> 23231, 23274		
<code>\XC@currentcolor</code> 23259, 23262, 23263, 23293, 23309, 23310		
<code>\XC@declaredcolor</code> 23254, 23261	<code>\XeLaTeX</code> 14917, 23420, 24297, 24298	
<code>\XC@declaredcolor</code> 23253	<code>\XeTeX</code> .. 14916, 17758, 23418, 24295, 24296	
<code>\XC@display</code> ... 23260, 23264, 23294, 23311	<code>\XeTeXcharclass</code> 3544, 3545, 3546, 3547, 3548	
<code>\XC@edef</code> ... 23247, 23296	<code>\XeTeXinterchartokenstate</code> 3541	
<code>\XC@fbox</code> 23315	<code>\XeTeXinterchartoks</code> 3549	
<code>\XC@getmodclr</code> 23227, 23270	<code>\XKV@err</code> .. 2231, 2234, 2257, 2260, 2283, 2286	
<code>\XC@inflate</code> . 23241, 23284	<code>\XKV@errx</code> 2237, 2263, 2289	
<code>\XC@let@Nc</code> . 23262, 23309	<code>\XKV@tkey</code> 2234, 2260, 2286	
<code>\XC@mclr</code> ... 23241, 23284	<code>\xm</code> 10220, 10224, 10238, 10242	
<code>\XC@mmod</code> 23239, 23240, 23282, 23283	<code>\xxm</code> 10228, 10232, 10246, 10250	
<code>\XC@mul</code> 23242, 23285	<code>\xyzzz</code> 7153	
<code>\XC@split</code> 23305		
<code>\XC@tgt@mod</code> . 23235, 23278		
<code>\XC@type</code> ... 23248, 23297		
<code>\XC@undeclaredcolor</code> 23244, 23255		
<code>\xcolor@</code> ... 23259, 23293		
<code>\xdef</code> .. 333, 393, 3813, 4558, 4696, 4699, 4995, 4996, 4999, 5000, 5017, 5018, 5021, 5022, 5415, 6217, 6372, 8128, 8130, 8211, 8213, 8215, 9336, 9338, 9399, 9401, 9501, 9507, 9511, 9997, 10018, 10063, 10069, 10070, 10115, 10121, 10122, 12263, 12277, 12325, 12339, 12509,	Y <code>\y</code> 10220, 10224, 10228, 10232, 10237, 10238, 10241, 10242, 10246, 10247, 10250, 10251, 14921, 14923, 14924, 14927, 14934 <code>\ym</code> 10237, 10241, 10247, 10251 <code>\yym</code> 10219, 10223, 10229, 10233	
	Z <code>\z@</code> ... 12, 24, 46, 60, 76, 99, 103, 111, 128,	



8599,	8612,	8635,	12396,	12495,	15881,	15903,
8687,	8689,	8691,	12496,	12497,	15932,	16544,
8699,	8716,	8750,	12504,	12505,	16547,	16571,
8770,	8787,	8792,	12506,	12590,	16696,	16700,
8793,	8852,	8899,	12605,	12616,	16710,	16771,
8914,	8932,	8934,	12628,	12711,	16796,	16800,
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9010,	9011,	9022,	12758,	12787,	16885,	16894,
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9114,	9128,	9130,	13023,	13046,	16929,	16941,
9131,	9136,	9137,	13048,	13050,	16961,	16972,
9138,	9139,	9140,	13059,	13061,	16978,	17255,
9174,	9185,	9303,	13063,	13209,	17260,	17301,
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9530,	9533,	9541,	13296,	13323,	17362,	17363,
9552,	9562,	9565,	13337,	13351,	17365,	17367,
9570,	9573,	9577,	13365,	13369,	17372,	17390,
9604,	9607,	9613,	13445,	13450,	17673,	17717,
9629,	9635,	9689,	13457,	13462,	17719,	17754,
9701,	9714,	9733,	13469,	13474,	17755,	17756,
9736,	9757,	9985,	13557,	13607,	17765,	17766,
10006,	10023,		13614,	13640,	17779,	17803,
10024,	10026,		13641,	13642,	17804,	17825,
10027,	10035,		13663,	13664,	17870,	17871,
10057,	10059,		13830,	13905,	17888,	17934,
10062,	10080,		13906,	13907,	17938,	17939,
10081,	10083,		13914,	13921,	17968,	17969,
10084,	10092,		13922,	13923,	17972,	17974,
10109,	10111,		13924,	13925,	17987,	18010,
10114,	10437,		13927,	13928,	18056,	18058,
10459,	10461,		13930,	13931,	18060,	18070,
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10468,	10470,		13968,	13969,	18189,	18193,
10472,	10474,		13970,	13971,	18194,	18209,
10475,	10481,		13973,	13974,	18226,	18286,
10486,	10500,		13976,	13977,	18327,	18340,
10514,	10527,		13979,	14051,	18341,	18344,
10611,	10708,		14057,	15034,	18346,	18359,
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10766,	10768,		15058,	15070,	18423,	18425,
10777,	10792,		15082,	15099,	18478,	18521,
10910,	10916,		15196,	15239,	18530,	18557,
10922,	11035,		15246,	15254,	18574,	18589,
11040,	11047,		15267,	15269,	18610,	18612,
11052,	11059,		15309,	15316,	18614,	18648,
11064,	11170,		15321,	15332,	18653,	18654,
11171,	11172,		15404,	15706,	18712,	18759,
11252,	11358,		15708,	15740,	18774,	18792,
11464,	11573,		15746,	15749,	18794,	18796,
11682,	11791,		15754,	15757,	18805,	18817,
11900,	12009,		15791,	15805,	18852,	18853,
12118,	12187,		15809,	15810,	18854,	18897,
12260,	12322,		15813,	15819,	18898,	18899,
12388,	12392,		15858,	15879,	18937,	18941,



18942,	18947,	21281,	21285,	23469,	23546,
18951,	18952,	21297,	21331,	23555,	23564,
18953,	18958,	21354,	21366,	23573,	23577,
18959,	18960,	21370,	21463,	23597,	23598,
18965,	18969,	21467,	21474,	23628,	23639,
18970,	19015,	21485,	21531,	23647,	23652,
19030,	19043,	21532,	21542,	23661,	23877,
19051,	19060,	21546,	21547,	23881,	23921,
19067,	19069,	21548,	21551,	23925,	23966,
19139,	19165,	21560,	21561,	23970,	23973,
19210,	19523,	21563,	21564,	23983,	23984,
19576,	19656,	21566,	21574,	23988,	23995,
19665,	19668,	21579,	21594,	24032,	24058,
19674,	19684,	21680,	21681,	24071,	24111, 24112
19694,	19754,	21755,	21845,	\z@skip ..	4086, 12993,
19769,	19783,	21863,	21956,	12994,	15879,
19791,	19800,	22135,	22247,	15882,	17885,
19807,	19809,	22311,	22318,	21335,	21340,
19879,	19905,	22321,	22668,	21373,	21379,
19950,	20284,	22672,	22779,	23576,	23577,
20338,	20418,	22784,	22789,	23632,	23638, 24058
20421,	20427,	22837,	22963,	\zap@space	6083, 6170, 6206
20441,	20447,	23149,	23156,	\zifrefundefined ..	
20457,	20467,	23157,	23175,	.....	13112, 13135
20527,	20542,	23191,	23194,	\zref@extractdefault	
20556,	20564,	23203,	23204,	.....	13117, 13138
20573,	20580,	23206,	23210,	\zref@labelbyprops	
20582,	20652,	23217,	23218,	.....	13083, 13158
20678,	20723,	23219,	23220,		
21049,	21103,	23315,	23320,	☒	
21183,	21186,	23322,	23370,	\	3547
21192,	21206,	23374,	23375,	\	3547
21212,	21222,	23380,	23384,		
21232,	21272,	23385,	23414,	☒	
21273,	21274,	23415,	23416,	\	3548
21275,	21280,	23467,	23468,	\	3548

