



The bidi Package

Source documentation for version 36.8

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 $\text{T}_{\text{E}}\text{X}$ and \LaTeX , using $\text{XeT}_{\text{E}}\text{X}$ engine

Source documentation for [version 36.8](#)

Vafa Khalighi*

May 20, 2022

Contents

1	File <code>amsart-xetex-bidi.def</code>	4	18	File <code>bidiftnextra.sty</code>	44
2	File <code>adjmulticol-xetex-bidi.def</code>	6	19	File <code>bidimoderncv.cls</code>	48
3	File <code>algorithm2e-xetex-bidi.def</code>	7	20	File <code>bidi-perpage.sty</code>	52
4	File <code>amsbook-xetex-bidi.def</code>	7	21	File <code>biditools.sty</code>	54
5	File <code>amsmath-xetex-bidi.def</code>	10	22	File <code>bidituftefloat.sty</code>	90
6	File <code>amstext-xetex-bidi.def</code>	10	23	File <code>bidituftesidenote.sty</code>	101
7	File <code>amsthm-xetex-bidi.def</code>	10	24	File <code>bidituftetoc.sty</code>	111
8	File <code>array-xetex-bidi.def</code>	10	25	File <code>bidituftegeneralstructure.sty</code>	114
9	File <code>article-xetex-bidi.def</code>	12	26	File <code>bidituftehyperref.sty</code>	116
10	File <code>artikel1-xetex-bidi.def</code>	15	27	File <code>bidituftetitle.sty</code>	117
11	File <code>artikel2-xetex-bidi.def</code>	20	28	File <code>biditufte-handout.cls</code>	119
12	File <code>artikel3-xetex-bidi.def</code>	25	29	File <code>biditufte-book.cls</code>	120
13	File <code>arydshln-xetex-bidi.def</code>	29	30	File <code>bidipoem.sty</code>	121
14	File <code>bidi.sty</code>	32	31	File <code>boek3-xetex-bidi.def</code>	128
15	File <code>bidi.tex</code>	38	32	File <code>boek-xetex-bidi.def</code>	131
16	File <code>bidi2in1.sty</code>	40	33	File <code>bookest-xetex-bidi.def</code>	134
17	File <code>bidicode.sty</code>	42	34	File <code>book-xetex-bidi.def</code>	135

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

35	File breqn-xetex-bidi.def	139	65	File footnotebackref-xetex-bidi.def	223
36	File cals-xetex-bidi.def	140	66	File framed-xetex-bidi.def	224
37	File caption-xetex-bidi.def	141	67	File ftnright-xetex-bidi.def	227
38	File caption3-xetex-bidi.def	141	68	File graphicx-xetex-bidi.def	232
39	File colortbl-xetex-bidi.def	141	69	File geometry-xetex-bidi.def	234
40	File color-xetex-bidi.def	142	70	File hvfloat-xetex-bidi.def	235
41	File combine-xetex-bidi.def	143	71	File hyperref-xetex-bidi.def	241
42	File crop-xetex-bidi.def	143	72	File imsgproc-xetex-bidi.def	253
43	File cutwin-xetex-bidi.def	145	73	File leqno-xetex-bidi.def	254
44	File cuted-xetex-bidi.def	146	74	File letter-xetex-bidi.def	255
45	File cvthemebidicasual.sty	154	75	File lettrine-xetex-bidi.def	255
46	File cvthemebidiclassic.sty	156	76	File lineno-xetex-bidi.def	258
47	File dblfnote-xetex-bidi.def	158	77	File listings-xetex-bidi.def	258
48	File diagbox-xetex-bidi.def	161	78	File loadingorder-xetex-bidi.def	260
49	File draftwatermark-xetex-bidi.def	163	79	File longtable-xetex-bidi.def	266
50	File eso-pic-xetex-bidi.def	163	80	File lscape-xetex-bidi.def	268
51	File empheq-xetex-bidi.def	165	81	File mathtools-xetex-bidi.def	269
52	File extarticle-xetex-bidi.def	168	82	File mdframed-xetex-bidi.def	269
53	File extbook-xetex-bidi.def	171	83	File bidi-media9.sty	270
54	File extletter-xetex-bidi.def	174	84	File memoir-xetex-bidi.def	281
55	File extrafootnotefeatures-xetex-bidi.def	175	85	File midfloat-xetex-bidi.def	284
56	File extreport-xetex-bidi.def	207	86	File minitoc-xetex-bidi.def	289
57	File fancybox-xetex-bidi.def	210	87	File multicol-xetex-bidi.def	289
58	File fancyhdr-xetex-bidi.def	211	88	File multienum-xetex-bidi.def	294
59	File fix2col-xetex-bidi.def	211	89	File natbib-xetex-bidi.def	295
60	File fleqn-xetex-bidi.def	213	90	File newfloat-xetex-bidi.def	296
61	File float-xetex-bidi.def	213	91	File ntheorem-xetex-bidi.def	296
62	File floatrow-xetex-bidi.def	213	92	File ntheorem-hyper-xetex-bidi.def	297
63	File flowfram-xetex-bidi.def	214	93	File overpic-xetex-bidi.def	297
64	File footnote-xetex-bidi.def	216	94	File pdfbase-xetex-bidi.def	298



95	File pdfscape-xetex-bidi.def	298	114	File stabular-xetex-bidi.def	363
96	File pdfpages-xetex-bidi.def	299	115	File subfigure-xetex-bidi.def	364
97	File pgfcorescopes.code-xetex-bidi.def	300	116	File tabs-xetex-bidi.def	364
98	File picinpar-xetex-bidi.def	301	117	File tabularx-xetex-bidi.def	365
99	File plain-xetex-bidi.def	303	118	File tabulary-xetex-bidi.def	366
100	File pstricks-xetex-bidi.def	305	119	File tc-xetex-bidi.def	367
101	File quotchap-xetex-bidi.def	306	120	File tcolorbox-xetex-bidi.def	367
102	File ragged2e-xetex-bidi.def	306	121	File titlesec-xetex-bidi.def	368
103	File rapport1-xetex-bidi.def	308	122	File titletoc-xetex-bidi.def	368
104	File rapport3-xetex-bidi.def	313	123	File tocbibind-xetex-bidi.def	369
105	File refrep-xetex-bidi.def	318	124	File tocloft-xetex-bidi.def	371
106	File report-xetex-bidi.def	322	125	File tocbasic-xetex-bidi.def	376
107	File rotating-xetex-bidi.def	325	126	File tocstyle-xetex-bidi.def	389
108	File scrartcl-xetex-bidi.def	328	127	File todonotes-xetex-bidi.def	393
109	File scrbook-xetex-bidi.def	338	128	File wrapfig-xetex-bidi.def	396
110	File scrletter-xetex-bidi.def	349	129	File xcolor-xetex-bidi.def	397
111	File scrreprt-xetex-bidi.def	351	130	File latex-xetex-bidi.def	399
112	File sidecap-xetex-bidi.def	362	131	File xltextra-xetex-bidi.def	417
113	File soul-xetex-bidi.def	362	132	Index	417



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\c@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 {\thesec@tion\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsec@tion\@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsec@tion\@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     \@makefn@text{%
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@{\exp{\shortauthors}\@temptokena\exp{\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}{\relax}{%
171 \bidi@patchcmd{\@algocf@start}{\bgroup}{\relax}{%
172 \bgroup
173 \if@RTL
174 \beginR
175 \else
176 \beginL
177 \fi
178 }{}{}
179 \bidi@patchcmd{\@algocf@finish}{\egroup\end{lrbox}}{\relax}{%
180 \if@RTL
181 \endR
182 \else
183 \endL
184 \fi
185 \egroup
186 \end{lrbox}}%
187 }{}{}
188 \bidi@patchcmd{\algocf@makecaption}{\hbox}{\relax}{%
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}{\relax}{%
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 \@makefnfntext{%
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@L@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 \@makefnfntext{%
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 \@bibttitlestyle
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 $\if@RTLtab\endR\fi\egroup}
383 \expandafter\let\csname endtabular*\endcsname=\endtabular
384 \def\@array[#1]#2{%
385 \@tempdima \ht \strutbox
386 \advance \@tempdima by\extrarowheight
387 \setbox \@arstrutbox \hbox{\vrule
388 \@height \arraystretch \@tempdima
389 \@depth \arraystretch \dp \strutbox
390 \@width \z@}%
391 \beginR
392 \mkpream{#2}%
393 \xdef\@preamble{\noexpand \ialign \@halignto
394 \bgroup \@arstrut \@preamble
395 \tabskip \z@ \cr}%
396 \endgroup
397 \@arrayleft
398 \if #1t\@vtop \else \if#1b\@vbox \else \vcenter \fi \fi
399 \bgroup
400 \let \@sharp ##\let \protect \relax
401 \lineskip \z@
402 \baselineskip \z@
403 \m@th
404 \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxR
405 \def\@tabarray{\@ifnextchar{\@array}{\@array[c]}}
406 \def\endarray{\cr\egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
407 \def\array{\col@sep\arraycolsep
408 \def\d@llarbegin{$}\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}]\%
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\@makefntext##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 bidi.sty

```

1501 \NeedsTeXFormat{LaTeX2e}
1502 \def\bididate{2022/05/20}
1503 \def\bidiversion{36.8}
1504 \ProvidesPackage{bidi}[\bididate\space v\bidiversion\space
1505 Bidirectional typesetting in plain TeX and LaTeX]
1506 \edef\@bidi@info{*****~J%
1507 * ~J%
1508 * bidi package (Bidirectional typesetting in~J%
1509 * plain TeX and LaTeX, using XeTeX engine)~J%
1510 * ~J%
1511 * Description: A convenient interface for~J%
1512 * typesetting bidirectional texts in plain TeX~J%
1513 * and LaTeX. The package includes adaptations~J%
1514 * for use with many other commonly-used packages.~J%
1515 * ~J%
1516 * Copyright (c) 2007--2022 Vafa Khalighi~J%
1517 * Copyright (c) 2018--2020 bidi-tex GitHub organization~J%
1518 * ~J%
1519 * v\bidiversion, \bididate~J%
1520 * ~J%
1521 * License: LaTeX Project Public License, version~J%
1522 * 1.3c or higher (your choice)~J%
1523 * ~J%
1524 * Location on CTAN: /macros/xetex/latex/bidi~J%
1525 * ~J%
1526 * Issue tracker: https://github.com/kvafa/bidi/issues~J%

```



```

1527 * ^^J%
1528 * Discussions: https://github.com/kvafa/bidi/discussions^^J%
1529 * ^^J%
1530 * Primary author of bidi package: Vafa Khalighi.^^J%
1531 * ^^J%
1532 *****}
1533 \typeout{\@bidi@info}
1534 \edef\bidi@everyjob{\the\everyjob}
1535 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1536 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
1537 \newcommand*{\IfbidiPackageVersionLater}[1]{%
1538   \ifdim\bidi@version pt > #1 pt %
1539     \expandafter\@firstoftwo
1540   \else
1541     \expandafter\@secondoftwo
1542   \fi}
1543 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
1544   \ifdim\bidi@version pt < #1 pt %
1545     \expandafter\@firstoftwo
1546   \else
1547     \expandafter\@secondoftwo
1548   \fi}
1549 \newcommand*{\IfbidiPackageVersion}[1]{%
1550   \ifdim\bidi@version pt = #1 pt %
1551     \expandafter\@firstoftwo
1552   \else
1553     \expandafter\@secondoftwo
1554   \fi}
1555 \RequirePackage{iftex}
1556 \RequireXeTeX
1557 \RequirePackage{bidiutils}
1558 \RequirePackage{zref-abspage}
1559 \RequirePackage{auxhook}
1560 \RequirePackage{ltxcmds}
1561 \RequirePackage{xkeyval}
1562 \eqnewif{\if@RTLmain}{\if@rlmain}
1563 \eqnewif{\if@RTL}{\if@rl}
1564 \newif\if@nonlatin
1565 \newif\if@bidi@perpage@footnote
1566 \newcommand*{\setlatin}{\@nonlatinfalse}
1567 \newcommand*{\setnonlatin}{\@nonlatintrue}
1568 \eqnewif{\if@RTLtab}{\if@tab@rl}
1569 \newif\if@hboxRconstruct
1570 \newif\if@bidi@pdfencrypt
1571 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1572 \newcommand*{\setLTRtable}{\@RTLtabfalse}
1573 \newif\if@bidi@pdfmark
1574 \newif\if@RTLMarginpar
1575 \newif\if@LTRmarginpar
1576 \newif\if@LTRbibitems
1577 \newif\if@RTLbibitems
1578 \newif\if@extrafootnotefeatures
1579 \newif\if@RTLcolumnfootnotes
1580 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}

```



```

1581 \newif\if@bidi@list@minipage@parbox
1582 \newif\if@bidi@list@minipage@parbox@not@nob
1583 \newcommand*{\@bidi@pdfcreator}{%
1584   The bidi package, v\@bidi@version, \bidi@date
1585 }
1586 \newcommand*{\@bidi@pdfproducer}{%
1587   The bidi package, v\@bidi@version, \bidi@date
1588 }
1589 \newcommand*{\@bidi@pdfcustomproperties}{%
1590   This is the bidi package, Version \@bidi@version,
1591   Released May 20, 2022.
1592 }
1593 \RTLmainfalse
1594 \AtBeginDocument{%
1595   \ifRTLmain\else
1596     \ifRTL\@RTLmaintrue%
1597     \else\@RTLmainfalse%
1598     \fi%
1599   \fi%
1600 }
1601 \let\n@xt=\
1602 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1603 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1604 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1605 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1606 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1607   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1608 \newinsert\@bidi@copyins@
1609 \skip\@bidi@copyins@=12\p@
1610 \dimen\@bidi@copyins@=40pc
1611 \count\@bidi@copyins@=1000
1612 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1613 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
1614   \ifRTLmain
1615     \if@twocolumn
1616       \hboxR to \columnwidth
1617     \else
1618       \hboxR to \textwidth
1619     \fi
1620   \else
1621     \if@twocolumn
1622       \hboxL to \columnwidth
1623     \else
1624       \hboxL to \textwidth
1625     \fi
1626   \fi
1627 }
1628 \newcommand*{\@bidi@logo}[1]{%
1629   \toks@{%
1630     \setbox\z@\hbox{%
1631       \special{%
1632         pdf:image width 50pt height 50pt (#1)%
1633       }
1634     }%

```



```

1635 \dp\z@\z@
1636 \ht\z@=50pt
1637 \wd\z@=50pt
1638 \beginL
1639 \lower20pt\box\z@
1640 \endL
1641 }%
1642 \the\toks@
1643 }
1644 \newcommand*{\@bidi@logo@}{%
1645 \@bidi@logo@hb@xt@columnwidth
1646 {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
1647 package\quad\@bidi@logo{bidi-logo.pdf}}}}
1648 \define@key{bidi@pdfencrypt}{userpassword}[]{%
1649 \def\bidi@pdfencrypt@userpassword{#1}%
1650 }
1651 \define@key{bidi@pdfencrypt}{ownerpassword}[]{%
1652 \def\bidi@pdfencrypt@ownerpassword{#1}%
1653 }
1654 \define@key{bidi@pdfencrypt}{keylength}[128]{%
1655 \def\bidi@pdfencrypt@keylength{#1}%
1656 }
1657 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{%
1658 \def\bidi@pdfencrypt@permissionflags{#1}%
1659 }
1660 \newcommand*{\pdfencryptsetup}{\setkeys{bidi@pdfencrypt}}
1661 \onlypreamble\pdfencryptsetup
1662 \input{latex-xetex-bidi.def}
1663 \input{loadingorder-xetex-bidi.def}
1664 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1665 \ifcase\bidi@tempb\relax
1666 \@RTLtrue
1667 \or
1668 \@RTLfalse
1669 \fi}
1670 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
1671 \ifcase\bidi@tempb\relax
1672 \@RTLtrue
1673 \or
1674 \@RTLfalse
1675 \fi}
1676 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
1677 \ifcase\bidi@tempb\relax
1678 \@RTLtabtrue
1679 \or
1680 \@RTLtabfalse
1681 \fi}
1682 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1683 \ifcase\bidi@tempb\relax
1684 \@nonlatinfalse
1685 \or
1686 \@nonlatintrue
1687 \fi}
1688 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%

```



```

1689 \ifcase\bidit@tempb\relax
1690 \RTLtrue
1691 \or
1692 \RTLfalse
1693 \fi}
1694 \define@choicekey{bidi.sty}{footnoterule}[\bidit@tempa\bidit@tempb]{automatic,left,right,split}
1695 \ifcase\bidit@tempb\relax
1696 \autofootnoterule
1697 \or
1698 \leftfootnoterule
1699 \or
1700 \rightfootnoterule
1701 \or
1702 \SplitFootnoteRule
1703 \or
1704 \textwidthfootnoterule
1705 \fi}
1706 \define@choicekey{bidi.sty}{footnotedirection}[\bidit@tempa\bidit@tempb]{righttoleft,lefttoright}
1707 \ifcase\bidit@tempb\relax
1708 \RTL@footnotetrue
1709 \or
1710 \RTL@footnotefalse
1711 \fi}
1712 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidit@tempa\bidit@tempb]{on,off}[on]{%
1713 \ifcase\bidit@tempb\relax
1714 \footdir@debugtrue
1715 \or
1716 \footdir@debugfalse
1717 \fi}
1718 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidit@tempa\bidit@tempb]{on,off}[on]{%
1719 \ifcase\bidit@tempb\relax
1720 \extrafootnotefeaturestrue
1721 \or
1722 \extrafootnotefeaturesfalse
1723 \fi}
1724
1725 \define@choicekey{bidi.sty}{DetectColumn}[\bidit@tempa\bidit@tempb]{on,off}[on]{%
1726 \ifcase\bidit@tempb\relax
1727 \def\bidit@firstcolumn@status@write{%
1728 \protected@write\@auxout{%
1729 {\string\bidit@column@status
1730 {1}}}%
1731 \def\bidit@lastcolumn@status@write{%
1732 \protected@write\@auxout{%
1733 {\string\bidit@column@status{2}}}%
1734 \or
1735 \let\bidit@firstcolumn@status@write\relax
1736 \let\bidit@lastcolumn@status@write\relax
1737 \fi}
1738
1739 \define@choicekey{bidi.sty}{logo}[\bidit@tempa\bidit@tempb]{on,off}[on]{%
1740 \ifcase\bidit@tempb\relax
1741 \AtBeginDocument{\@bidit@inslogo}%
1742 \or

```



```

1743 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
1744 \fi}
1745
1746 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1747 \ifcase\bidi@tempb\relax
1748 \@bidi@pdfm@marktrue
1749 \or
1750 \@bidi@pdfm@markfalse
1751 \fi}
1752
1753 % The `perpagefootnote' option is documented in UK TeX FAQ at
1754 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
1755
1756 \define@choicekey{bidi.sty}{perpagefootnote}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1757 \ifcase\bidi@tempb\relax
1758 \@bidi@perpage@footnotetrue
1759 \or
1760 \@bidi@perpage@footnotefalse
1761 \fi}
1762
1763 \ExecuteOptionsX{%
1764 DetectColumn=off%
1765 }
1766
1767 \ProcessOptionsX
1768
1769 \pdfencryptsetup{%
1770 userpassword,%
1771 ownerpassword,%
1772 keylength,%
1773 permissionflags%
1774 }
1775
1776 \if@extrafootnotefeatures
1777 \input{extrafootnotefeatures-xetex-bidi.def}
1778 \fi
1779 \newcount\bidi@digits
1780 \XeTeXinterchartokenstate=\@ne
1781 \newXeTeXintercharclass\bidi@digits@charclass
1782 \newXeTeXintercharclass\bidi@sepmark@charclass
1783 \XeTeXcharclass \. \bidi@sepmark@charclass
1784 \XeTeXcharclass \- \bidi@sepmark@charclass
1785 \bidi@digits=\@0 \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
1786 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
1787 \bidi@digits=\ \loop \XeTeXcharclass \bidi@digits \bidi@digits@charclass \ifnum\bidi@digit
1788 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInterCh
1789 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
1790 \bidi@AtEndPreamble{%
1791 \if@bidi@perpage@footnote
1792 \RequirePackage{bidi-perpage}%
1793 \ResetCounterPerPage{footnote}%
1794 \fi
1795 \ifx\bidi@pdfencrypt@ownerpassword\bidi@empty
1796 \ifx\bidi@pdfencrypt@userpassword\bidi@empty

```



```

1797     \@bidi@pdfencryptfalse
1798   \else
1799     \@bidi@pdfencrypttrue
1800   \fi
1801 \else
1802   \@bidi@pdfencrypttrue
1803 \fi
1804 \if@bidi@pdfencrypt
1805   \special{pdf:encrypt
1806     userpw (\bidi@pdfencrypt@userpassword)
1807     ownerpw (\bidi@pdfencrypt@ownerpassword)
1808     length \bidi@pdfencrypt@keylength
1809     perm \bidi@pdfencrypt@permissionflags
1810   }%
1811 \fi
1812 }
1813 \AtEndDocument{%
1814   \special{pdf:%
1815     docinfo<<%
1816     \if@bidi@pdfm@mark
1817       /Creator(\@bidi@pdfcreator)%
1818       /Producer(\@bidi@pdfproducer)%
1819     \fi
1820     /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1821     \if@bidi@csdef{@xepersian@pdfcustomproperties}{%
1822       /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
1823     }{}%
1824     >>%
1825   }%
1826 }

```

15 File bidi.tex

```

1827 \def\bididate{2022/05/20}
1828 \catcode`\@=11
1829 \def\bidi@version{36.8}
1830 \let \protect \relax
1831 \newlinechar`\^^J
1832 \edef\@bidi@info{*****~^J%
1833 * ~^J%
1834 * bidi package (Bidirectional typesetting in~^J%
1835 * plain TeX and LaTeX, using XeTeX engine)~^J%
1836 * ~^J%
1837 * Description: A convenient interface for~^J%
1838 * typesetting bidirectional texts in plain TeX~^J%
1839 * and LaTeX. The package includes adaptations~^J%
1840 * for use with many other commonly-used packages.~^J%
1841 * ~^J%
1842 * Copyright (c) 2007--2022 Vafa Khalighi~^J%
1843 * Copyright (c) 2018--2020 bidi-tex GitHub organization~^J%
1844 * ~^J%
1845 * v\bidi@version, \bididate~^J%
1846 * ~^J%
1847 * License: LaTeX Project Public License, version~^J%

```



```

1848 * 1.3c or higher (your choice)^^J%
1849 * ^^J%
1850 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1851 * ^^J%
1852 * Issue tracker: https://github.com/kvafa/bidi/issues^^J%
1853 * ^^J%
1854 * Discussions: https://github.com/kvafa/bidi/discussions^^J%
1855 * ^^J%
1856 * Primary author of bidi package: Vafa Khalighi.^^J%
1857 * ^^J%
1858 *****}
1859 \message{\@bidi@info}
1860 \edef\bidi@everyjob{\the\everyjob}
1861 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1862 \def\bidi@version{%
1863   \relax
1864   \ifmmode
1865     \bidi@version
1866   \else
1867     $\bidi@version$
1868   \fi
1869 }
1870 \input iftex.sty
1871 \RequireXeTeX
1872 \newif\if@bidi@pdfm@mark
1873 \newif\if@RTLmain
1874 \newif\if@RTL
1875 \newif\if@hboxRconstruct
1876 \newif\if@sentedir
1877 \newif\if@RTL@footnote
1878 \@RTLmainfalse
1879 \def\setRTLmain{%
1880   \if@RTLmain\else
1881     \if@RTL\@RTLmaintrue%
1882     \else\@RTLmainfalse%
1883   \fi%
1884   \fi%
1885 }
1886 \let\n@xt=\
1887 \protected\def\LRE{\protect\pLRE}%
1888 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1889 \protected\def\RLE{\protect\pRLE}
1890 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1891 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1892   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1893 \newinsert\@bidi@copyins@
1894 \skip\@bidi@copyins@=12\p@
1895 \dimen\@bidi@copyins@=40pc
1896 \count\@bidi@copyins@=1000
1897 \def\@bidi@inslogo@{\insert\@bidi@copyins@{\@bidi@logo@}}
1898 \def\@bidi@logo@hb@xt@{%
1899   \if@RTLmain
1900     \hboxR to
1901   \else

```




```

1902     \hboxL to
1903     \fi
1904 }
1905 \def\@bidi@logo#1{%
1906     \toks@{%
1907         \setbox\z@\hbox{%
1908             \special{%
1909                 pdf:image width 50pt height 50pt (#1)%
1910             }
1911         }%
1912         \dp\z@\z@
1913         \ht\z@=50pt
1914         \wd\z@=50pt
1915         \beginL
1916             \lower20pt\box\z@
1917         \endL
1918     }%
1919     \the\toks@
1920 }
1921 \def\@bidi@logo@\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@logo@hb@xt@}}
1922 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
1923 \def\@bidi@pdfcreator{%
1924     The bidi package, v\@bidi@version, \@bidi@date
1925 }
1926 \def\@bidi@pdfproducer{%
1927     The bidi package, v\@bidi@version, \@bidi@date
1928 }
1929 \def\@bidi@pdfcustomproperties{%
1930     This is the bidi package, Version \@bidi@version,
1931     Released May 20, 2022.
1932 }
1933 \def\bidi@pdfm@mark{%
1934     \special{pdf:
1935         docinfo<<%
1936             \if@bidi@pdfm@mark
1937                 /Creator(\@bidi@pdfcreator)%
1938                 /Producer(\@bidi@pdfproducer)%
1939             \fi
1940             /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1941             >>%
1942         }%
1943 }
1944 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
1945 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
1946 \input plain-xetex-bidi.def
1947 \@bidi@inslogo@
1948 \outer\def\bye{\par\vfill\supereject\bidi@pdfm@mark\end}
1949 \catcode`\@=12
1950 \bidipdfinfoon

```

16 File bidi2in1.sty

```

1951 \NeedsTeXFormat{LaTeX2e}
1952 \ProvidesPackage{bidi2in1}

```



```

1953 \pagestyle{plain}
1954 \newcount\evenpage
1955 \newcount\oddpge
1956 \twocolumn
1957 \def\@oddfoot{\evenpage=\thepage%
1958 \multiply\evenpage by 2%
1959 \oddpge=\the\evenpage%
1960 \advance\oddpge by -1%
1961 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1962 \def\@evenfoot{\evenpage=\thepage%
1963 \multiply\evenpage by 2%
1964 \oddpge=\the\evenpage%
1965 \advance\oddpge by -1%
1966 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1967 \textwidth 9.49in
1968 \textheight 6.7in
1969 \columnsep 0.9in
1970 \columnseprule 0.125pt
1971 \headheight 0cm
1972 \topmargin 0in
1973 \marginparwidth 0in
1974 \marginparsep 0in
1975 \hoffset 0.05in % Corrected
1976 \voffset -0.5in %top margin space is 1.0in by default
1977 \oddsidemargin 0in
1978 \evensidemargin 0in
1979 \headsep 0cm
1980 \topskip 0cm
1981 \parskip 0.15in %
1982 \headsep 0pt
1983 \special{papersize=11.69in,8.26in}
1984 \renewcommand\maketitle{\par
1985 \begingroup
1986 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1987 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1988 \long\def\@makefntext##1{\parindent 1em\noindent
1989 \hb@xt@1.8em{%
1990 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1991 \@maketitle
1992 \@thanks
1993 \endgroup
1994 \setcounter{footnote}{0}%
1995 \global\let\thanks\relax
1996 \global\let\maketitle\relax
1997 \global\let\@maketitle\relax
1998 \global\let\@thanks\@empty
1999 \global\let\@author\@empty
2000 \global\let\@date\@empty
2001 \global\let\@title\@empty
2002 \global\let\title\relax
2003 \global\let\author\relax
2004 \global\let\date\relax
2005 \global\let\and\relax
2006 }

```



17 File bidicode.sty

```
2007 \NeedsTeXFormat{LaTeX2e}
2008 \ProvidesPackage{bidicode}
2009 \RequirePackage{xcolor}
2010 \RequirePackage{showexpl}
2011 \definecolor{hellgelb}{rgb}{1,1,0.85}
2012 \definecolor{colKeys}{rgb}{0,0,1}
2013 \definecolor{colIdentifier}{rgb}{0,0,0}
2014 \definecolor{colComments}{rgb}{1,0,0}
2015 \definecolor{colString}{rgb}{0,0.5,0}
2016 \lstset{
2017     language=[LaTeX]TEX,
2018     float=hbp,
2019     basicstyle=\ttfamily\small,
2020     identifierstyle=\color{colIdentifier},
2021     keywordstyle=\color{colKeys},
2022     stringstyle=\color{colString},
2023     commentstyle=\color{colComments},
2024     backgroundcolor=\color{hellgelb},
2025     columns=flexible,
2026     tabsize=4,
2027     extendedchars=true,
2028     showspace=false,
2029     showstringspaces=false,
2030     numbers=left,
2031     numbersep=0.9em,
2032     numberstyle=\tiny, %
2033     frame=single,
2034     captionpos=b,
2035     xleftmargin=1em,
2036     breaklines=true,
2037     breakautoindent=false,
2038     breakindent=0pt,
2039     escapeinside=**,
2040     pos=r,
2041     explpreset={%
2042     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
2043     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
2044 }
2045 \newcommand\HLON{%
2046     \gdef\lst@alloverstyle##1{%
2047         \fboxrule=0pt
2048         \fboxsep=0pt
2049         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
2050 }}
2051 \newcommand\HLOFF{%
2052     \xdef\lst@alloverstyle##1{##1}%
2053 }
2054 \newcommand\Larg [1]{\normalfont\itshape#1\/\}}
2055 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
2056 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2057 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2058 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
```



```

2059 \newcommand\LBEG[1]{\{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
2060 \newcommand\LEND[1]{\{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
2061
2062 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
2063 \DeclareRobustCommand\lcb{\{\normalfont\ttfamily\char`\{}}
2064 \DeclareRobustCommand\rcb{\}\normalfont\ttfamily\char`\}}
2065 \DeclareRobustCommand\lsb{\{\normalfont\ttfamily[}
2066 \DeclareRobustCommand\rsb{\}\normalfont\ttfamily]}
2067 \DeclareRobustCommand\lrb{\{\normalfont\ttfamily(}
2068 \DeclareRobustCommand\rrb{\}\normalfont\ttfamily)}
2069
2070 \def\Lcs#1{\nxLcs{#1}}
2071 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2072 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2073
2074 \def\Coordx#1{$x_{#1}$}
2075 \def\Coordy#1{$y_{#1}$}
2076 \def\Coordz#1{$z_{#1}$}
2077 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2078 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2079 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2080 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
2081 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2082 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2083 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2084 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2085 \def\coordx#1{($x_{#1}$)}
2086 \def\coordy#1{($y_{#1}$)}
2087 \def\coordz#1{($z_{#1}$)}
2088 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
2089 \def\ciiiiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2090
2091 \newsavebox{\boxdef}
2092 \newenvironment{BDef}
2093   {\begin{lrbox}\boxdef
2094     \def\arraystretch{1.0}
2095     \begin{tabular}{@{}l@{}l@{}l@{}}
2096   }
2097   {\end{tabular}\end{lrbox}}
2098
2099   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2100   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2101 }
2102
2103 \newenvironment{BDef*}
2104   {\begin{lrbox}\boxdef
2105     \def\arraystretch{1.0}
2106     \begin{tabular}{@{}l@{}l@{}l@{}}
2107   }
2108   {\end{tabular}\end{lrbox}}
2109   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2110   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2111 }
2112 \newenvironment{BCmd}{

```



```

2113 \@beginparpenalty-\@lowpenalty
2114 \topsep\BDefaboveskip
2115 \fboxsep3pt
2116 \flushleft}
2117 {\@endparpenalty\@M
2118 \topsepadd\BDefbelowskip
2119 \endflushleft}
2120
2121 \newenvironment{BCmd*}{
2122 \@beginparpenalty\@M
2123 \topsep\BDefinlineskip
2124 \fboxsep3pt
2125 \flushleft}
2126 {\@endparpenalty5000
2127 \endflushleft}
2128
2129 \newskip\BDefaboveskip
2130 \newskip\BDefbelowskip
2131 \newskip\BDefinlineskip
2132 \setlength\BDefaboveskip{10pt plus 4pt}
2133 \setlength\BDefbelowskip{6pt}
2134 \setlength\BDefinlineskip{6pt}
2135
2136 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2137 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2138 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2139 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

18 File bidiftnxtra.sty

```

2140 \NeedsTeXFormat{LaTeX2e}
2141 \ProvidesPackage{bidiftnxtra}
2142 \newtoks\bidip@ftn
2143 \let\FN@sffootnote\footnote
2144 \let\FN@sff@LTRfootnote\LTRfootnote
2145 \let\FN@sff@RTLfootnote\RTLfootnote
2146 \def\footnote{\ifx\protect\@typeset@protect
2147 \expandafter\FN@sff@footnote
2148 \else
2149 \expandafter\FN@sff@gobble@opt
2150 \fi
2151 }
2152 \def\LTRfootnote{\ifx\protect\@typeset@protect
2153 \expandafter\FN@sff@LTRfootnote
2154 \else
2155 \expandafter\FN@sff@gobble@opt
2156 \fi
2157 }
2158 \def\RTLfootnote{\ifx\protect\@typeset@protect
2159 \expandafter\FN@sff@RTLfootnote
2160 \else
2161 \expandafter\FN@sff@gobble@opt
2162 \fi
2163 }

```



```

2164 \edef\FN@sfgobble@opt{\noexpand\protect
2165   \expandafter\noexpand\csname FN@sfgobble@opt \endcsname}
2166 \expandafter\def\csname FN@sfgobble@opt \endcsname{%
2167   \@ifnextchar[%]
2168     \FN@sfgobble@twobrace
2169     \@gobble
2170 }
2171 \def\FN@sfgobble@twobrace[#1]#2{%
2172 \let\FN@sfgobble@footnotemark\footnotemark
2173 \def\footnotemark{\ifx\protect\@typeset\protect
2174   \expandafter\FN@sfgobble@footnotemark
2175   \else
2176     \expandafter\FN@sfgobble@optonly
2177   \fi
2178 }
2179 \edef\FN@sfgobble@optonly{\noexpand\protect
2180   \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
2181 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
2182   \@ifnextchar[%]
2183     \FN@sfgobble@brace
2184     {}%
2185 }
2186 \def\FN@sfgobble@brace[#1]{%
2187 \def\@tabular{%
2188   \leavevmode \hbox \bgroup
2189   \let\@footnotetext\@bidi@p@ftntext
2190   \let\@LTRfootnotetext\@bidi@p@LTRftntext
2191   \let\@RTLfootnotetext\@bidi@p@RTLftntext
2192   \let\@xfootnotenext\@bidi@p@xftntext
2193   \let\@xfootnote\@bidi@p@xfootnote
2194   \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2195   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2196   \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2197   \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2198   \if@RTLtab\beginR \fi
2199   $\let\@acol\@tabacol
2200   \let\@classz\@tabclassz
2201   \let\@classiv\@tabclassiv \let\@tabularcr\@tabarray}
2202 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2203   \egroup $\if@RTLtab\endR\fi\egroup
2204   \ifx\@cuptype\@undefined
2205     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2206 \long\def\@bidi@p@ftntext#1{%
2207   \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2208   \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2209 \long\def\@bidi@p@LTRftntext#1{%
2210   \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2211   \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2212 \long\def\@bidi@p@RTLftntext#1{%
2213   \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2214   \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2215
2216
2217 \long\def\@bidi@p@xftntext[#1]#2{%

```



```

2218 \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}
2219
2220 \long\def\bidip@xLTRftntext[#1]#2{%
2221 \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
2222
2223 \long\def\bidip@xRTLftntext[#1]#2{%
2224 \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
2225
2226
2227 \def\bidip@xfootnote[#1]{%
2228 \begingroup
2229 \csname c@\mpfn\endcsname #1\relax
2230 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2231 \endgroup
2232 \@footnotemark\bidip@xftntext[#1]}
2233
2234
2235 \def\bidip@xLTRfootnote[#1]{%
2236 \begingroup
2237 \csname c@\mpfn\endcsname #1\relax
2238 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2239 \endgroup
2240 \@footnotemark\bidip@xLTRftntext[#1]}
2241
2242
2243 \def\bidip@xRTLfootnote[#1]{%
2244 \begingroup
2245 \csname c@\mpfn\endcsname #1\relax
2246 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2247 \endgroup
2248 \@footnotemark\bidip@xRTLftntext[#1]}
2249
2250 \def\@xfloat #1[#2]{%
2251 \@nodocument
2252 \def \@cuptype {#1}%
2253 \def \@fps {#2}%
2254 \@onelevel@sanitize \@fps
2255 \def \reserved@b {!}%
2256 \ifx \reserved@b \@fps
2257 \@fpsadddefault
2258 \else
2259 \ifx \@fps \@empty
2260 \@fpsadddefault
2261 \fi
2262 \fi
2263 \ifhmode
2264 \@bsphack
2265 \@floatpenalty -\@Mii
2266 \else
2267 \@floatpenalty -\@Miii
2268 \fi
2269 \ifinner
2270 \@parmoderr\@floatpenalty\z@
2271 \else

```



```

2272 \@next\@currbox\@freelist
2273 {%
2274 \@tempcnta \sixt@@n
2275 \expandafter \@tfor \expandafter \reserved@a
2276 \expandafter :\expandafter =\@fps
2277 \do
2278 {%
2279 \if \reserved@a h%
2280 \ifodd \@tempcnta
2281 \else
2282 \advance \@tempcnta \@ne
2283 \fi
2284 \fi
2285 \if \reserved@a t%
2286 \setfpsbit \tw@
2287 \fi
2288 \if \reserved@a b%
2289 \setfpsbit 4%
2290 \fi
2291 \if \reserved@a p%
2292 \setfpsbit 8%
2293 \fi
2294 \if \reserved@a !%
2295 \ifnum \@tempcnta>15
2296 \advance\@tempcnta -\sixt@@n\relax
2297 \fi
2298 \fi
2299 }%
2300 \@tempcntb \csname ftype@\@capytype \endcsname
2301 \multiply \@tempcntb \@xxxii
2302 \advance \@tempcnta \@tempcntb
2303 \global \count\@currbox \@tempcnta
2304 }%
2305 \@fltovf
2306 \fi
2307 \global \setbox\@currbox
2308 \color@vbox
2309 \normalcolor
2310 \vbox \bgroup
2311 \let\@footnotetext\@bidi@p@ftntext
2312 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2313 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2314 \let\@xfootnotenext\@bidi@p@xftntext
2315 \let\@xfootnote\@bidi@p@xfootnote
2316 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2317 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2318 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2319 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2320 \hsize\columnwidth
2321 \@parboxrestore
2322 \@floatboxreset
2323 }
2324 \def \@endfloatbox{%
2325 \par\vskip\z@skip %% \par\vskip\z@ added 15 Dec 87

```




```

2326 \@minipagefalse
2327 \outer@nobreak
2328 \egroup %% end of vbox
2329 \global\bidip@p@ftn\expandafter{\expandafter}\the\bidip@p@ftn
2330 \color@endbox
2331 }

```

19 File bidimoderncv.cls

```

2332 \NeedsTeXFormat{LaTeX2e}
2333 \ProvidesClass{bidimoderncv}
2334 \newif\if@DEBUG\@DEBUGfalse
2335 \DeclareOption{a4paper}{
2336 \setlength\paperheight{297mm}
2337 \setlength\paperwidth{210mm}}
2338 \DeclareOption{a5paper}{
2339 \setlength\paperheight{210mm}
2340 \setlength\paperwidth{148mm}}
2341 \DeclareOption{b5paper}{
2342 \setlength\paperheight{250mm}
2343 \setlength\paperwidth{176mm}}
2344 \DeclareOption{letterpaper}{
2345 \setlength\paperheight{11in}
2346 \setlength\paperwidth{8.5in}}
2347 \DeclareOption{legalpaper}{
2348 \setlength\paperheight{14in}
2349 \setlength\paperwidth{8.5in}}
2350 \DeclareOption{executivepaper}{
2351 \setlength\paperheight{10.5in}
2352 \setlength\paperwidth{7.25in}}
2353 \DeclareOption{landscape}{
2354 \setlength\@tempdima{\paperheight}
2355 \setlength\paperheight{\paperwidth}
2356 \setlength\paperwidth{\@tempdima}}
2357 \newcommand\@ptsize{}
2358 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2359 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2360 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2361 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2362 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2363 \newif\if@colour\@colourtrue
2364 \DeclareOption{nocolour}{\@colourfalse}
2365 \ExecuteOptions{a4paper,11pt,colour,final}
2366 \ProcessOptions\relax
2367 \input{size1\@ptsize.clo}
2368 \RequirePackage{color}
2369 \RequirePackage{graphicx}
2370 \RequirePackage{ifthen}
2371 \RequirePackage{marvosym}
2372 \addtolength{\oddsidemargin}{-54pt}
2373 \addtolength{\textwidth}{109pt}
2374 \addtolength{\topmargin}{-70pt}
2375 \addtolength{\textheight}{122pt}
2376 \addtolength{\marginparsep}{-5pt}

```



```

2377 \addtolength{\marginparwidth}{-10pt}
2378 \RequirePackage{url}
2379 \RequirePackage{hyperref}
2380 \hypersetup{%
2381   breaklinks,
2382   baseurl      = http://,%
2383   pdfborder    = 0 0 0,%
2384   pdfpagemode  = UseNone,%
2385   pdfstartpage = 1}
2386 \AtEndOfClass{%
2387   \AtBeginDocument{%
2388     \hypersetup{%
2389       pdfauthor      = \@firstname~\@familyname,%
2390       pdftitle       = \@title,%
2391       pdfsubject     = \@firstname~\@familyname,%
2392       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
2393 \urlstyle{tt}
2394 \RequirePackage{fancyhdr}
2395 \fancypagestyle{plain}{%
2396   \renewcommand{\headrulewidth}{0pt}
2397   \renewcommand{\footrulewidth}{0pt}
2398   \fancyhf{}}
2399 \pagestyle{plain}
2400 \setlength\lineskip{1\p@}
2401 \setlength\normallineskip{1\p@}
2402 \renewcommand\baselinestretch{}
2403 \setlength{\parindent}{0pt}
2404 \setlength{\parskip}{0pt}
2405 \setlength\columnsep{10\p@}
2406 \setlength\columnseprule{0\p@}
2407 \pagestyle{empty}
2408 \pagenumbering{arabic}
2409 \raggedbottom
2410 \onecolumn
2411 \providecommand*\listitemsymbol{\textbullet}
2412 \providecommand*\addresssymbol{}
2413 \providecommand*\mobilesymbol{\Mobilefone}
2414 \providecommand*\phonesymbol{\Telefon}
2415 \providecommand*\faxsymbol{\FAX}
2416 \providecommand*\emailsymbol{\Letter}
2417 \definecolor{firstnamecolor}{rgb}{0,0,0}
2418 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2419 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2420 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2421 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2422 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2423 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2424 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2425 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2426 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2427 \providecommand*\firstnamefont{}
2428 \providecommand*\familynamefont{}
2429 \providecommand*\titlefont{}
2430 \providecommand*\addressfont{}

```



```

2431 \providecommand*\quotefont{}{}
2432 \providecommand*\sectionfont{}{}
2433 \providecommand*\subsectionfont{}{}
2434 \providecommand*\hintfont{}\small{}
2435 \providecommand*\firstnamestyle[1]{\fontname\@firstnamefont\@firstnamecolour#1}}
2436 \providecommand*\familynamestyle[1]{\fontname\@familynamefont\@familynamecolour#1}}
2437 \providecommand*\titlestyle[1]{\fontname\@titlefont\@titlecolour#1}}
2438 \providecommand*\addresstyle[1]{\fontname\@addressfont\@addresscolour#1}}
2439 \providecommand*\quotestyle[1]{\fontname\@quotefont\@quotecolour#1}}
2440 \providecommand*\sectionstyle[1]{\fontname\@sectionfont\@sectiontitlecolour#1}}
2441 \providecommand*\subsectionstyle[1]{\fontname\@subsectionfont\@subsectioncolour#1}}
2442 \providecommand*\hintstyle[1]{\fontname\@hintfont\@hintcolour#1}}
2443 \newcommand*\cvtheme[2][{}]{
2444   \def\@cvtheme{#2}
2445   \def\@cvthemeoptions{#1}}
2446 \cvtheme{bidi-casual}
2447 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2448 \newcommand*\resumename[1]{\def\@resumename{#1}}
2449 \newcommand*\firstname[1]{\def\@firstname{#1}}
2450 \newcommand*\familyname[1]{\def\@familyname{#1}}
2451 \renewcommand*\title[1]{\def\@title{#1}}
2452 \newcommand*\address[1]{\def\@address{#1}}
2453 \newcommand*\mobile[1]{\def\@mobile{#1}}
2454 \newcommand*\phone[1]{\def\@phone{#1}}
2455 \renewcommand*\fax[1]{\def\@fax{#1}}
2456 \newcommand*\email[1]{\def\@email{#1}}
2457 \newcommand*\extrainfo[1]{\def\@extrainfo{#1}}
2458 \def\@photowidth{0pt}
2459 \newcommand*\photo[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2460 \newcommand*\quote[1]{\def\@quote{#1}}
2461 \newlength{\quotewidth}
2462 \newlength{\hintscolumnwidth}
2463 \newlength{\separatorcolumnwidth}
2464 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2465 \newlength{\maincolumnwidth}
2466 \newlength{\doubleitemmaincolumnwidth}
2467 \newlength{\listitemsymbolwidth}
2468 \settoheight{\listitemsymbolwidth}{\listitemsymbol{}}
2469 \newlength{\listitemmaincolumnwidth}
2470 \newlength{\listdoubleitemmaincolumnwidth}
2471 \newcommand*\recomputethemelengths{}{}
2472 \newcommand*\recomputelengths{}{}
2473 \setlength{\quotewidth}{0.65\textwidth}%
2474 \setlength{\maincolumnwidth}{\textwidth}%
2475 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2476 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2477 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2478 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2479 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2480 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2481 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2482 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2483 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2484 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%

```



```

2485 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2486 \renewcommand{\headwidth}{\textwidth}%
2487 \recomputethemelengths}
2488 \setlength{\hintscolumnwidth}{0.15\textwidth}
2489 \recomputelengths
2490 \title{}
2491 \renewcommand*{\maketitle}{}
2492 \newcommand*{\section}[1]{%
2493 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2494 \phantomsection}%
2495 \addcontentsline{toc}{part}{#1}%
2496 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
2497 \hspace{\separatorcolumnwidth}%
2498 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]}
2499 \newcommand*{\subsection}[1]{%
2500 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2501 \newcommand*{\cvline}[3][.25em]{%
2502 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}
2503 \bidi@raggedleft\hintfont{#2} &{#3}%
2504 \end{tabular}\[\[1]}
2505 \newcommand*{\cvdoubleitem}[4]{%
2506 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2507 \hfill%
2508 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\
2509 \newcommand*{\cvlistitem}[2][\listitemsymbol{}]{%
2510 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
2511 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol{}]{%
2512 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2513 \hfill%
2514 \ifthenelse{\equal{#3}{}}%
2515 {}%
2516 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2517 \newcommand*{\cventry}[6]{%
2518 \cvline{#1}{%
2519 {\bfseries#2}%
2520 \ifx#3\else{, {\slshape#3}}\fi%
2521 \ifx#4\else{, #4}\fi%
2522 \ifx#5\else{, #5}\fi%
2523 .%
2524 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2525 }%
2526 \newcommand*{\cvlanguage}[3]{%
2527 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin
2528 \newcommand*{\cvcomputer}[4]{%
2529 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2530 \newcommand*{\link}[2][{}]{%
2531 \ifthenelse{\equal{#1}{}}%
2532 {\href{#2}{#2}}%
2533 {\href{#2}{#1}}}
2534 \newcommand*{\httplink}[2][{}]{%
2535 \ifthenelse{\equal{#1}{}}%
2536 {\href{http://#2}{#2}}%
2537 {\href{http://#2}{#1}}}
2538 \newcommand*{\emailink}[2][{}]{%

```



```

2539 \ifthenelse{\equal{#1}{}}%
2540   {\href{mailto:#2}{#2}}%
2541   {\href{mailto:#2}{#1}}%
2542 \newif\if@displaypagenumbers\@displaypagenumberstrue
2543 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2544 \AtBeginDocument{%
2545   \if@displaypagenumbers%
2546     \ifundefined{r@lastpage}{}%
2547     \ifthenelse{\pageref{lastpage} > 1}{%
2548       \fancypagestyle{plain}{%
2549         \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pag
2550         \pagestyle{plain}}}%
2551     \AtEndDocument{\label{lastpage}}%
2552   \fi}
2553 \newlength{\bibindent}
2554 \setlength{\bibindent}{1.5em}
2555 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
2556 \newenvironment{thebibliography}[1]%
2557   {%
2558     \section{\refname}%
2559     \small%
2560     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2561     \bidi@@thebibliography@font@hook%
2562     \begin{list}{\bibliographyitemlabel}%
2563       {%
2564         \setlength{\topsep}{0pt}%
2565         \setlength{\labelwidth}{\hintscolumnwidth}%
2566         \setlength{\labelsep}{\separatorcolumnwidth}%
2567         \leftmargin\labelwidth%
2568         \advance\leftmargin\labelsep%
2569         \@openbib@code%
2570         \usecounter{enumiv}%
2571         \let\p@enumiv\@empty%
2572         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2573       \sloppy\clubpenalty4000\widowpenalty4000%
2574     }%
2575     {%
2576       \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2577       \end{list}%
2578     }
2579 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2580 \let\@openbib@code\@empty

```

20 File bidi-perpage.sty

```

2581 \NeedsTeXFormat{LaTeX2e}
2582 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
2583 \newcount\bidi@page@count
2584 \bidi@page@count\@ne
2585 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
2586   \if@bidi@csundef\bidi@stepcounterhook@@#2}{%
2587     \expandafter\gdef\csname bidi@stepcounterhook@@#2\endcsname{}%
2588   }%
2589   \if@bidi@csundef\if@bidi@reset@#2@rerun}{%

```



```

2590 \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
2591 }{}%
2592 \if@bidi@csundef{bidi@#2@count}{%
2593 \expandafter\newcount\csname bidi@#2@count\endcsname
2594 }{}%
2595 \csname bidi@#2@count\endcsname\z@
2596 \if@bidi@csundef{bidi@previous@page@@#2@count}{%
2597 \expandafter\newcount\csname
2598 bidi@previous@page@@#2@count\endcsname
2599 }{}%
2600 \csname bidi@previous@page@@#2@count\endcsname\z@
2601 \if@bidi@csundef{bidi@reset@#2@perpage}{%
2602 \bidi@AfterEndDocumentCheckLabelsRerun{%
2603 \csname if@bidi@reset@#2@rerun\endcsname
2604 \PackageWarningNoLine{bidi-perpage}{%
2605 Counter `#2' may not have been reset per page.
2606 Rerun to reset counter `#2' per page%
2607 }%
2608 \fi
2609 }%
2610 }{}%
2611 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
2612 \global\advance\csname bidi@#2@count\endcsname\@ne
2613 \if@filesw
2614 \edef\@tempa{%
2615 \write\@auxout{%
2616 \string\bidi@counter@page{#2}%
2617 {\number\csname bidi@#2@count\endcsname}%
2618 {\noexpand\number\noexpand\bidi@page@count}%
2619 }%
2620 }%
2621 \@tempa
2622 \fi
2623 \begingroup\expandafter\expandafter\expandafter\endgroup
2624 \expandafter\ifx\csname bidi@#2@@\number\csname
2625 bidi@#2@count\endcsname\endcsname\relax
2626 \global\csname @bidi@reset@#2@reruntrue\endcsname
2627 \else
2628 \global\csname @bidi@reset@#2@rerunfalse\endcsname
2629 \expandafter\@tempcnta\csname bidi@#2@@\number
2630 \csname bidi@#2@count\endcsname\endcsname\relax
2631 \ifnum\@tempcnta=\csname
2632 bidi@previous@page@@#2@count\endcsname
2633 \else
2634 \global\csname
2635 bidi@previous@page@@#2@count\endcsname\@tempcnta
2636 \global\csname c@#2\endcsname#1\relax
2637 \fi
2638 \fi
2639 }%
2640 \expandafter\bidi@gappto\csname
2641 bidi@stepcounterhook@@#2\endcsname{%
2642 \csname bidi@reset@#2@perpage\endcsname
2643 }%

```



```

2644 }
2645 \def\ bidi@counter@page#1#2#3{\ bidi@namegdef\ bidi@#1@#2}{#3}}
2646 \ bidi@AtEndOutputPage{%
2647   \ global\ advance\ bidi@page@count\ @ne
2648 }

```

21 File `biditools.sty`

```

2649 \NeedsTeXFormat{LaTeX2e}
2650 \ProvidesPackage{biditools}[2022/02/01 v2.1 Programming tools for bidi package]
2651 \providecommand{\@ bidi@saveprimitive}[2]{\ begingroup\ escapechar`\\ \ relax
2652   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2653   \ifx\@tempa\@tempb \ global\let#2#1%
2654   \else
2655     \edef\@tempb{\meaning#2}%
2656     \ifx\@tempa\@tempb
2657     \else
2658       \@latex@error{Unable to properly define \string#2; primitive
2659       \noexpand#1no longer primitive}\@eha
2660     \fi
2661   \fi
2662   \endgroup}
2663 \newtoks\@ bidi@envbody
2664 \newtoks\@ bidi@emptytoks
2665 \def\ bidi@addto@envbody#1{\ global\@ bidi@envbody\ expandafter{\the\@ bidi@envbody#1}}
2666 \def\ bidi@collect@body#1{%
2667   \@ bidi@envbody{\ expandafter#1\ expandafter{\the\@ bidi@envbody}}%
2668   \edef\ bidi@process@envbody{\the\@ bidi@envbody\noexpand\end{\@currentvir}}%
2669   \@ bidi@envbody\@ bidi@emptytoks \def\ begin@ bidi@stack{b}%
2670   \begingroup
2671   \expandafter\let\csname\@currentvir\endcsname\ bidi@collect@@body
2672   \edef\ bidi@process@envbody{\ expandafter\noexpand\csname\@currentvir\endcsname}%
2673   \ bidi@process@envbody
2674 }
2675 \def\ bidi@push@begins#1\ begin#2{%
2676   \ifx\end#2\else b\ expandafter\ bidi@push@begins\fi
2677 }
2678 \def\ bidi@collect@@body#1\end#2{%
2679   \edef\ begin@ bidi@stack{\ bidi@push@begins#1\ begin\end \ expandafter\@ gobble\ begin@ bidi@stack
2680   \ifx\@empty\ begin@ bidi@stack
2681     \endgroup
2682     \@checkend{#2}%
2683     \ bidi@addto@envbody{#1}%
2684   \else
2685     \ bidi@addto@envbody{#1\end{#2}}%
2686   \fi
2687   \ bidi@process@envbody % A little tricky! Note the grouping
2688 }
2689 \long\def\ bidi@addto@long@envbody#1{\ global\@ bidi@envbody\ expandafter{\the\@ bidi@envbody#1}}
2690 \long\def\ bidi@collect@long@body#1{%
2691   \@ bidi@envbody{\ expandafter#1\ expandafter{\the\@ bidi@envbody}}%
2692   \edef\ bidi@process@envbody{\the\@ bidi@envbody\noexpand\end{\@currentvir}}%
2693   \@ bidi@envbody\@ bidi@emptytoks \def\ begin@ bidi@stack{b}%
2694   \begingroup

```



```

2695 \expandafter\let\csname\@currentvir\endcsname\@currentvir\@body
2696 \edef\@bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2697 \bidi@process@envbody
2698 }
2699 \long\def\bidi@push@long@begins#1\begin#2{%
2700 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2701 }
2702 \long\def\bidi@collect@long@@@body#1\end#2{%
2703 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@
2704 \ifx\@empty\begin@bidi@stack
2705 \endgroup
2706 \@checkend{#2}%
2707 \bidi@addto@long@envbody{#1}%
2708 \else
2709 \bidi@addto@long@envbody{#1\end{#2}}%
2710 \fi
2711 \bidi@process@envbody % A little tricky! Note the grouping
2712 }
2713 \long\def\bidi@new@ifnextchar#1#2#3{%
2714 \let\reserved@d= #1%
2715 \def\reserved@a{#2}\def\reserved@b{#3}%
2716 \futurelet\@let@token\bidi@new@ifnch
2717 }
2718 \def\bidi@new@ifnch{%
2719 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2720 \reserved@b
2721 }
2722 \def\bidi@matrix@check#1{%
2723 \expandafter\ifx\csname\@currentvir\endcsname#1%
2724 \else\bidi@matrix@error#1%
2725 \expandafter\@gobble
2726 \fi
2727 }
2728 \def\bidi@matrix@error#1{%
2729 \PackageError{bidiutils}{%
2730 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2731 }{%
2732 '\string#1{...}' is old bidi package syntax whose use is
2733 ill-advised in the old versions of bidi package.%
2734 }%
2735 }
2736 \def\@tagsextension{clo}
2737 \def\@definitionfileextension{def}
2738 \def\@texfileextension{tex}
2739 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2740 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2741 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2742 \def\eqnewif#1#2{%
2743 \count@\escapechar \escapechar\m@ne
2744 \let#1\iffalse
2745 \let#2\iffalse
2746 \eq@if#1#2\iftrue
2747 \eq@if#1#2\iffalse
2748 \escapechar\count@}

```




```

2749 \def\eq@if#1#2#3{%
2750   \expandafter\def\csname\expandafter@gobbletwo\string#1%
2751     \expandafter@gobbletwo\string#3\endcsname
2752     {\let#1#3%
2753       \let#2#3}%
2754   \expandafter\def\csname\expandafter@gobbletwo\string#2%
2755     \expandafter@gobbletwo\string#3\endcsname
2756     {\let#2#3%
2757       \let#1#3}}
2758 \newcommand*\SetBoolean}[2]{%
2759   \lowercase{\def\@tempa{#2}}%
2760   \@ifundefined{@tempwa\@tempa}%
2761     {\PackageError{biditools}%
2762       {You can only set a boolean to `true' or `false'}\@ehc}%
2763     {\@ifundefined{#1\@tempa}%
2764       {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2765       {\csname#1\@tempa\endcsname}}}
2766 \newcommand*\GlobalSetBoolean}[2]{%
2767   \lowercase{\def\@tempa{#2}}%
2768   \@ifundefined{@tempwa\@tempa}%
2769     {\PackageError{biditools}%
2770       {You can only set a boolean to `true' or `false'}\@ehc}%
2771     {\@ifundefined{#1\@tempa}%
2772       {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2773       {\global\csname#1\@tempa\endcsname}}}
2774 \newcommand*\SetatBoolean}[2]{%
2775   \lowercase{\def\@tempa{#2}}%
2776   \@ifundefined{@tempwa\@tempa}%
2777     {\PackageError{biditools}%
2778       {You can only set a boolean to `true' or `false'}\@ehc}%
2779     {\@ifundefined{@#1\@tempa}%
2780       {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2781       {\csname @#1\@tempa\endcsname}}}
2782 \newcommand*\GlobalSetatBoolean}[2]{%
2783   \lowercase{\def\@tempa{#2}}%
2784   \@ifundefined{@tempwa\@tempa}%
2785     {\PackageError{biditools}%
2786       {You can only set a boolean to `true' or `false'}\@ehc}%
2787     {\@ifundefined{@#1\@tempa}%
2788       {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2789       {\global\csname @#1\@tempa\endcsname}}}
2790 \def\@bidi@removefromreset#1#2{%
2791   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2792   \def\@elt##1{%
2793     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2794     \else
2795       \noexpand\@elt{##1}%
2796     \fi}%
2797   \expandafter\xdef\csname cl@#2\endcsname{%
2798     \csname cl@#2\endcsname}}
2799 \newcommand*\ifRtoL{%
2800   \ifRTL
2801     \expandafter\@firstoftwo
2802   \else

```



```

2803     \expandafter\@secondoftwo
2804     \fi}
2805 \newcommand*{\ifLtoR}{\%
2806   \if@RTL
2807     \expandafter\@secondoftwo
2808   \else
2809     \expandafter\@firstoftwo
2810   \fi}
2811 \newcommand*{\ifRtoLtable}{\%
2812   \if@RTLtab
2813     \expandafter\@firstoftwo
2814   \else
2815     \expandafter\@secondoftwo
2816   \fi}
2817 \newcommand*{\ifLtoRtable}{\%
2818   \if@RTLtab
2819     \expandafter\@secondoftwo
2820   \else
2821     \expandafter\@firstoftwo
2822   \fi}
2823 \newcommand*{\ifRtoLhboxconstruct}{\%
2824   \if@hboxRconstruct
2825     \expandafter\@firstoftwo
2826   \else
2827     \expandafter\@secondoftwo
2828   \fi}
2829 \newcommand*{\ifLtoRhboxconstruct}{\%
2830   \if@hboxRconstruct
2831     \expandafter\@secondoftwo
2832   \else
2833     \expandafter\@firstoftwo
2834   \fi}
2835 \newcommand*{\iflatin}{\%
2836   \if@nonlatin
2837     \expandafter\@secondoftwo
2838   \else
2839     \expandafter\@firstoftwo
2840   \fi}
2841 \newcommand*{\ifnonlatin}{\%
2842   \if@nonlatin
2843     \expandafter\@firstoftwo
2844   \else
2845     \expandafter\@secondoftwo
2846   \fi}
2847
2848 \newcommand*{\bidi@convert@dimen@t@unit}[2]{\%
2849   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2850
2851 \newcommand*{\bidi@convert@dimen@t@pt}[1]{\%
2852   \dimexpr #1*65536/\dimexpr 1pt\relax}
2853
2854 \newcommand*{\if@bidi@csdef}[1]{\%
2855   \ifcsname#1\endcsname
2856     \expandafter\@firstoftwo

```



```

2857 \else
2858 \expandafter\@secondoftwo
2859 \fi}
2860 \newcommand*{\if@bidi@csundef}[1]{%
2861 \ifcsname#1\endcsname
2862 \expandafter\ifx\csname#1\endcsname\relax
2863 \expandafter\expandafter
2864 \expandafter\@firstoftwo
2865 \else
2866 \expandafter\expandafter
2867 \expandafter\@secondoftwo
2868 \fi
2869 \else
2870 \expandafter\@firstoftwo
2871 \fi}
2872 \newcommand{\if@bidi@def}[1]{%
2873 \ifdefined#1%
2874 \expandafter\@firstoftwo
2875 \else
2876 \expandafter\@secondoftwo
2877 \fi}
2878 \newcommand{\if@bidi@undef}[1]{%
2879 \ifdefined#1%
2880 \ifx#1\relax
2881 \expandafter\expandafter
2882 \expandafter\@firstoftwo
2883 \else
2884 \expandafter\expandafter
2885 \expandafter\@secondoftwo
2886 \fi
2887 \else
2888 \expandafter\@firstoftwo
2889 \fi}
2890 \newcommand{\if@bidi@blank}[1]{% from url.sty
2891 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2892 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2893 \newcommand{\bidi@notblank}[1]{%
2894 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2895 \newcommand{\if@bidi@defmacro}{%
2896 \long\edef\if@bidi@defmacro#1{%
2897 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2898 \noexpand\meaning#1\detokenize{macro}:&}
2899 \edef\bidi@ifdefmacro{%
2900 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
2901 \bidi@ifdefmacro{\bidi@notblank{#2}}
2902 \newcommand*{\if@bidi@csmacro}[1]{%
2903 \if@bidi@cdef{#1}
2904 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2905 {\@secondoftwo}}
2906 \newcommand{\if@bidi@defprimitive}[1]{%
2907 \ifprimitive#1%
2908 \expandafter\@firstoftwo
2909 \else
2910 \expandafter\@secondoftwo

```



```

2911 \fi}
2912 \newcommand{\if@bidi@csprimitive}[1]{%
2913 \begingroup\expandafter\expandafter\expandafter\endgroup%
2914 \expandafter\ifprimitive\csname#1\endcsname%
2915 \expandafter\@firstoftwo
2916 \else
2917 \expandafter\@secondoftwo
2918 \fi}
2919 \newcommand*{\bidi@csdefcs}[2]{%
2920 \expandafter\@ifdefinable \csname#1\endcsname{%
2921 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}%
2922 \newcommand*{\bidi@csletcs}[2]{%
2923 \expandafter\@ifdefinable \csname#1\endcsname{%
2924 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}%
2925 \newcommand*{\bidi@cslet}[2]{%
2926 \expandafter\@ifdefinable \csname#1\endcsname{%
2927 \expandafter\let\csname#1\endcsname#2}}
2928 \newcommand{\bidi@namelongdef}[1]{%
2929 \long\expandafter\def\csname #1\endcsname}
2930 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2931 \def\bidi@ensure@new@command#1{%
2932 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2933 \expandafter\if@bidi@csundef\@gtempa
2934 {\new@command#1}{\relax%
2935 \let\@ifdefinable\@rc@ifdefinable%
2936 \new@command#1}}
2937 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2938
2939 \protected\def\bidi@error{\PackageError{bidi}}
2940 \protected\def\bidi@warning{\PackageWarning{bidi}}
2941 \protected\def\bidi@info{\PackageInfo{bidi}}
2942
2943 \def\bidi@pos#1#2#3#4{\bidi@namegdef\bidi@#1pos@@#2@#3}{#4}}
2944
2945 \newcount\bidi@poscount
2946
2947 \newcommand*{\WriteStartXPostoaux}{%
2948 \global\advance\bidi@poscount\@ne
2949 \edef\@tempa{%
2950 \write\@auxout{%
2951 \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx}
2952 }%
2953 }%
2954 \ifvmode
2955 \leavevmode
2956 \fi
2957 \if@RTL
2958 \if@filesw
2959 \@tempa
2960 \fi
2961 \pdfsavepos
2962 \else
2963 \pdfsavepos
2964 \if@filesw

```



```

2965 \tempa
2966 \fi
2967 \fi
2968 \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
2969 \PackageWarningNoLine{biditools}{%
2970 The start x position ` \number\bidi@poscount' is not known yet.
2971 Rerun to get this x position%
2972 }%
2973 }{}%
2974 }
2975
2976 \newcommand*{\WriteEndXPostoaux}{%
2977 \edef\tempa{%
2978 \write\@auxout{%
2979 \string\bidi@pos{x}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
2980 }%
2981 }%
2982 \if@RTL
2983 \if@filesw
2984 \tempa
2985 \fi
2986 \pdfsavepos
2987 \else
2988 \pdfsavepos
2989 \if@filesw
2990 \tempa
2991 \fi
2992 \fi
2993 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
2994 \PackageWarningNoLine{biditools}{%
2995 The end x position ` \number\bidi@poscount' is not known yet.
2996 Rerun to get this x position%
2997 }%
2998 }{}%
2999 }
3000
3001 \newcommand*{\WriteStartYPostoaux}{%
3002 \global\advance\bidi@poscount\@ne
3003 \edef\tempa{%
3004 \write\@auxout{%
3005 \string\bidi@pos{y}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflasty
3006 }%
3007 }%
3008 \ifvmode
3009 \leavevmode
3010 \fi
3011 \if@RTL
3012 \if@filesw
3013 \tempa
3014 \fi
3015 \pdfsavepos
3016 \else
3017 \pdfsavepos
3018 \if@filesw

```



```

3019 \@tempa
3020 \fi
3021 \fi
3022 \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
3023     \PackageWarningNoLine{biditools}{%
3024         The start y position ``\number\bidi@poscount' is not known yet.
3025         Rerun to get this y position%
3026     }%
3027 }{}%
3028 }
3029
3030 \newcommand*{\WriteEndYPostoaux}{%
3031     \edef\@tempa{%
3032         \write\@auxout{%
3033             \string\bidi@pos{y}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
3034         }%
3035     }%
3036 \if@RTL
3037     \if@filesw
3038         \@tempa
3039     \fi
3040 \pdfsavepos
3041 \else
3042 \pdfsavepos
3043 \if@filesw
3044     \@tempa
3045 \fi
3046 \fi
3047 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
3048     \PackageWarningNoLine{biditools}{%
3049         The end y position ``\number\bidi@poscount' is not known yet.
3050         Rerun to get this y position%
3051     }%
3052 }{}%
3053 }
3054
3055 \newcommand*{\WriteStartXYPostoaux}{%
3056     \global\advance\bidi@poscount\@ne
3057     \edef\@tempa{%
3058         \write\@auxout{%
3059             \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
3060         }%
3061         \write\@auxout{%
3062             \string\bidi@pos{y}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
3063         }%
3064     }%
3065     \ifvmode
3066         \leavevmode
3067     \fi
3068 \if@RTL
3069     \if@filesw
3070         \@tempa
3071     \fi
3072 \pdfsavepos

```



```

3073     \else
3074     \pdfsavepos
3075     \if@filesw
3076         \@tempa
3077     \fi
3078     \fi
3079     \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
3080         \PackageWarningNoLine{biditools}{%
3081             The start x position ` \number\bidi@poscount' is not known yet.
3082             Rerun to get this x position%
3083         }%
3084     }{}%
3085     \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
3086         \PackageWarningNoLine{biditools}{%
3087             The start y position ` \number\bidi@poscount' is not known yet.
3088             Rerun to get this y position%
3089         }%
3090     }{}%
3091 }
3092
3093 \newcommand*{\WriteEndXYPostoaux}{%
3094     \edef\@tempa{%
3095         \write\@auxout{%
3096             \string\bidi@pos{x}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx}
3097         }%
3098         \write\@auxout{%
3099             \string\bidi@pos{y}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflasty}
3100         }%
3101     }%
3102     \if@RTL
3103         \if@filesw
3104             \@tempa
3105         \fi
3106     \pdfsavepos
3107     \else
3108     \pdfsavepos
3109     \if@filesw
3110         \@tempa
3111     \fi
3112     \fi
3113     \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
3114         \PackageWarningNoLine{biditools}{%
3115             The end x position ` \number\bidi@poscount' is not known yet.
3116             Rerun to get this x position%
3117         }%
3118     }{}%
3119     \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
3120         \PackageWarningNoLine{biditools}{%
3121             The end y position ` \number\bidi@poscount' is not known yet.
3122             Rerun to get this y position%
3123         }%
3124     }{}%
3125 }
3126

```



```

3127 \newcommand*{\currentposxwidth}{%
3128   \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{\z@}
3129   {%
3130     \ifnum\csname bidi@xpos@@start@\number\bidi@poscount
3131       \endcsname < \csname bidi@xpos@@end@\number\bidi@poscount
3132       \endcsname
3133       \dimexpr \csname bidi@xpos@@end@\number\bidi@poscount
3134       \endcsname sp - \csname bidi@xpos@@start@\number\bidi@poscount
3135       \endcsname sp\relax
3136   \else
3137     \dimexpr \csname bidi@xpos@@start@\number\bidi@poscount
3138     \endcsname sp - \csname bidi@xpos@@end@\number\bidi@poscount
3139     \endcsname sp\relax
3140   \fi
3141   }%
3142 }
3143
3144 \newcommand*{\currentposyheight}{%
3145   \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{\z@}
3146   {%
3147     \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
3148     \endcsname sp - \csname bidi@ypos@@end@\number\bidi@poscount
3149     \endcsname sp\relax
3150   }%
3151 }
3152
3153
3154
3155 \newcommand*{\setbaselineskip}[1]{%
3156   \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
3157   \selectfont
3158 }
3159
3160
3161 \newcommand*{\bidi@newrobustcmd}{%
3162   \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
3163
3164   \def\bidi@new@command#1{\@testopt{\bidi@new@command#1}0}
3165
3166   \def\bidi@new@command#1[#2]{%
3167     \@ifnextchar[%]
3168       {\bidi@xargdef#1[#2]}
3169       {\ifx\l@ngrel@x\relax
3170         \let\l@ngrel@x\protected
3171       \else
3172         \protected\def\l@ngrel@x{\protected\long}%
3173       \fi
3174       \@argdef#1[#2]}}
3175
3176   \long\def\bidi@xargdef#1[#2][#3]#4{%
3177     \@ifdefinable#1{%
3178       \expandafter\protected
3179       \expandafter\def
3180       \expandafter#1%

```




```

3181 \expandafter{%
3182 \expandafter\@testopt
3183 \csname\string#1\endcsname{#3}}%
3184 \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}
3185
3186 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
3187
3188 \def\bidi@renew@command#1{%
3189 \if@bidi@undef{#1}
3190 {\bidi@error{\string#1 undefined}\@ehc}
3191 {}%
3192 \let\@ifdefinable\@rc@ifdefinable
3193 \bidi@new@command#1}
3194
3195
3196
3197 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
3198
3199 \def\bidi@provide@command#1{%
3200 \if@bidi@undef{#1}
3201 {\def\reserved@a{\bidi@new@command#1}}
3202 {\def\reserved@a{\bidi@renew@command\reserved@a}}%
3203 \reserved@a}
3204
3205 \newcommand*{\bidi@csuse}[1]{%
3206 \ifcsname#1\endcsname
3207 \csname#1\expandafter\endcsname
3208 \fi}
3209
3210 \newcommand{\bidi@expandonce}[1]{%
3211 \unexpanded\expandafter{#1}}
3212
3213 \def\bidi@protected{%
3214 \let\@protect\protect
3215 \let\protect\@unexpandable@protect
3216 \afterassignment\restore@protect}
3217
3218 \bidi@newrobustcmd{\bidi@appto}[2]{%
3219 \if@bidi@undef{#1}
3220 {\edef#1{\unexpanded{#2}}}
3221 {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
3222 \bidi@newrobustcmd{\bidi@eappto}[2]{%
3223 \if@bidi@undef{#1}
3224 {\edef#1{#2}}
3225 {\edef#1{\bidi@expandonce#1#2}}}}
3226 \bidi@newrobustcmd{\bidi@gappto}[2]{%
3227 \if@bidi@undef{#1}
3228 {\xdef#1{\unexpanded{#2}}}
3229 {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
3230 \bidi@newrobustcmd{\bidi@xappto}[2]{%
3231 \if@bidi@undef{#1}
3232 {\xdef#1{#2}}
3233 {\xdef#1{\bidi@expandonce#1#2}}}}
3234

```



```

3235 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
3236 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
3237
3238
3239
3240 \bidi@newrobustcmd{\bidi@preto}[2]{%
3241   \if@bidi@undef{#1}
3242     {\edef#1{\unexpanded{#2}}}
3243     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
3244 \bidi@newrobustcmd{\bidi@epreto}[2]{%
3245   \if@bidi@undef{#1}
3246     {\edef#1{#2}}
3247     {\edef#1{#2\bidi@expandonce#1}}}
3248 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
3249   \if@bidi@undef{#1}
3250     {\xdef#1{\unexpanded{#2}}}
3251     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
3252 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
3253   \if@bidi@undef{#1}
3254     {\xdef#1{#2}}
3255     {\xdef#1{#2\bidi@expandonce#1}}}
3256
3257 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
3258 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
3259
3260
3261
3262 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
3263 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
3264 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
3265 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
3266 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
3267 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
3268
3269
3270
3271 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
3272 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
3273 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
3274 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
3275 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
3276 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
3277
3278
3279
3280 \bidi@newrobustcmd{\if@bidi@patchable}{%
3281   \bidi@dbg@trce\if@bidi@patchable
3282   \begingroup
3283   \@makeother\#%
3284   \@ifstar\bidi@ifpatchablei\bidi@ifpatchable}
3285
3286 \long\def\bidi@ifpatchable#1#2{%
3287   \endgroup
3288   \bidi@dbg@init#1%

```



```

3289 \if@bidi@undef{#1}
3290   {\bidi@dbg@fail{def}\@secondoftwo}
3291   {\bidi@dbg@info{def}}%
3292   \if@bidi@defmacro{#1}
3293     {\bidi@dbg@info{mac}}%
3294     \bidi@ifscanable{#1}
3295     {\bidi@ifhashcheck{#2}
3296       {\bidi@dbg@info{tok}}%
3297       \bidi@ifpattern#1{#2}
3298       {\bidi@dbg@info{pat}}%
3299       \bidi@dbg@info{pos}\@firstoftwo}
3300     {\bidi@dbg@fail{pat}\@secondoftwo}}
3301     {\bidi@dbg@fail{hsh}\@secondoftwo}}
3302     {\bidi@dbg@fail{tok}\@secondoftwo}}
3303     {\bidi@dbg@fail{mac}\@secondoftwo}}
3304
3305 \long\def\bidi@ifpatchable@i#1{%
3306   \endgroup
3307   \bidi@dbg@init#1%
3308   \if@bidi@undef{#1}
3309     {\bidi@dbg@fail{def}\@secondoftwo}
3310     {\bidi@dbg@info{def}}%
3311     \if@bidi@defmacro{#1}
3312       {\bidi@dbg@info{mac}}%
3313       \if@bidi@defparam{#1}
3314         {\bidi@dbg@info{prm}}%
3315         \bidi@ifscanable{#1}
3316         {\bidi@dbg@info{tok}}%
3317         \bidi@dbg@info{pos}\@firstoftwo}
3318         {\bidi@dbg@fail{tok}\@secondoftwo}}
3319       {\bidi@dbg@info{prl}}%
3320       \if@bidi@defprotected{#1}
3321         {\bidi@dbg@info{pro}}
3322         {}%
3323       \bidi@dbg@info{pos}\@firstoftwo}}
3324     {\bidi@dbg@fail{mac}\@secondoftwo}}
3325
3326 \bidi@newrobustcmd*{\bidi@patchcmd}{%
3327   \bidi@dbg@trce\bidi@patchcmd
3328   \begingroup
3329   \@makeother\#%
3330   \bidi@@patchcmd}
3331
3332 \newcommand{\bidi@@patchcmd}[4][#####1]{%
3333   \bidi@ifpatchable#2{#3}
3334   {\bidi@dbg@succ{ret}}%
3335   \begingroup
3336   \edef\bidi@resrvda{%
3337     \def\noexpand\bidi@resrvda#####1\detokenize{macro:}#####2->#####3&{%
3338       #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb#####3&}}%
3339     \def\noexpand\bidi@resrvdb#####1\detokenize{#3}#####2&{%
3340       #####1\detokenize{#4}#####2}%
3341     \edef\noexpand\bidi@resrvda{%
3342       \noexpand\bidi@resrvda\meaning#2&}}%

```



```

3343 \bidi@resrvda
3344 \bidi@patchcmd@scantoks\bidi@resrvda
3345 \let#2\bidi@resrvda
3346 \bidi@undef\bidi@resrvda
3347 \@firstoftwo}
3348 {\@secondoftwo}}
3349
3350 \def\bidi@patchcmd@scantoks#1{%
3351 \edef\bidi@resrvda{\endgroup
3352 \unexpanded{\makeatletter\scantokens}{#1}%
3353 \catcode\number`\@=\the\catcode`\@ \relax}%
3354 \bidi@resrvda}
3355
3356 \newcommand\bidi@isloaded[2] [] {
3357 \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
3358 \expandafter\newif\csname if@bidi@#2loaded@\endcsname
3359 \fi
3360 \@ifpackageloaded{#2}
3361 {\csname @bidi@#2loaded@true\endcsname #1}
3362 {\csname @bidi@#2loaded@false\endcsname}}
3363
3364 \protected\def\bidi@ifscanable#1{%
3365 \begingroup
3366 \edef\bidi@resrvda{%
3367 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3368 ####1\def\string\bidi@resrvda####2{####3}}}%
3369 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3370 \bidi@resrvda
3371 \makeatletter
3372 \scantokens\expandafter{\bidi@resrvda}%
3373 \expandafter\endgroup\ifx#1\bidi@resrvda
3374 \expandafter\@firstoftwo
3375 \else
3376 \expandafter\@secondoftwo
3377 \fi}
3378
3379
3380 \protected\long\def\bidi@ifhashcheck#1{%
3381 \begingroup
3382 \edef\bidi@resrvda{\detokenize{#1}}%
3383 \expandafter\endgroup
3384 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3385
3386 \edef\bidi@ifhashcheck@i#1&{%
3387 \noexpand\expandafter
3388 \noexpand\bidi@ifhashcheck@ii
3389 \noexpand\strip@prefix#1\string#\string#&}
3390
3391 \edef\bidi@ifhashcheck@ii{%
3392 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&}
3393 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
3394
3395
3396 \protected\long\def\bidi@ifpattern#1#2{%

```



```

3397 \begingroup
3398 \edef\bidi@resrvda{%
3399   \def\noexpand\bidi@resrvda####1\detokenize{#2}###2&{%
3400     \endgroup\noexpand\noexpand\noexpand@if@bidi@blank{####2}}}%
3401   \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
3402     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3403   \noexpand\bidi@resrvda}
3404 \bidi@resrvda@secondoftwo\@firstoftwo}
3405
3406
3407 \newcommand{\if@bidi@param}{-}{}
3408 \long\edef\if@bidi@param#1{%
3409   \noexpand\expandafter\noexpand\bidi@ifdefparam
3410   \noexpand\meaning#1\detokenize{macro}:->&}
3411 \edef\bidi@ifdefparam{%
3412   \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
3413 \bidi@ifdefparam{\bidi@notblank{#2}}
3414
3415
3416 \newcommand{\if@bidi@defprotected}{-}{}
3417 \long\edef\if@bidi@defprotected#1{%
3418   \noexpand\expandafter\noexpand\bidi@ifdefprotected
3419   \noexpand\meaning#1|string\protected&}
3420 \edef\bidi@ifdefprotected{%
3421   \def\noexpand\bidi@ifdefprotected##1|string\protected##2&}
3422 \bidi@ifdefprotected{\bidi@notblank{#2}}
3423
3424
3425 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3426
3427 \let\bidi@dbg@trce\@gobble
3428 \let\bidi@dbg@init\@gobble
3429 \let\bidi@dbg@info\@gobble
3430 \let\bidi@dbg@succ\@gobble
3431 \let\bidi@dbg@fail\@gobble
3432
3433
3434
3435 \bidi@newrobustcmd*\bidi@apptocmd){-%
3436   \bidi@dbg@trce\bidi@apptocmd
3437   \begingroup
3438   \@makeother\#%
3439   \bidi@hooktocmd\bidi@append}
3440
3441
3442
3443 \bidi@newrobustcmd*\bidi@pretocmd){-%
3444   \bidi@dbg@trce\bidi@pretocmd
3445   \begingroup
3446   \@makeother\#%
3447   \bidi@hooktocmd\bidi@prepend}
3448
3449 \long\def\bidi@hooktocmd#1#2#3{%
3450   \endgroup

```



```

3451 \bidi@dbg@init#2%
3452 \if@bidi@undef{#2}
3453   {\bidi@dbg@fail{def}\@secondoftwo}
3454   {\bidi@dbg@info{def}%
3455     \if@bidi@defmacro{#2}
3456     {\bidi@dbg@info{mac}%
3457       \if@bidi@defparam{#2}
3458       {\bidi@dbg@info{prm}%
3459         \bidi@ifscanable{#2}
3460         {\bidi@ifhashcheck{#3}
3461           {\bidi@dbg@info{tok}%
3462             \bidi@dbg@succ{ret}%
3463             \bidi@hooktocmd@i#1#2{#3}%
3464             \@firstoftwo}
3465           {\bidi@dbg@fail{hsh}\@secondoftwo}}
3466         {\bidi@dbg@fail{tok}\@secondoftwo}}
3467       {\bidi@dbg@info{prl}%
3468         \if@bidi@defprotected{#2}
3469         {\bidi@dbg@info{pro}%
3470           \bidi@dbg@succ{red}%
3471           \protected}
3472         {\bidi@dbg@succ{red}}}%
3473       \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3474       \@firstoftwo}}
3475   {\bidi@dbg@fail{mac}\@secondoftwo}}
3476
3477 \long\def\bidi@hooktocmd@i#1#2#3{%
3478   \begingroup
3479   \edef\bidi@resrvda{%
3480     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3481       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
3482     \edef\noexpand\bidi@resrvda{%
3483       \noexpand\bidi@resrvda\meaning#2&}}%
3484   \bidi@resrvda
3485   \bidi@patchcmd@scantoks\bidi@resrvda
3486   \let#2\bidi@resrvda
3487   \bidi@undef\bidi@resrvda}
3488
3489 \long\def\bidi@append#1#2{#1#2}
3490 \long\def\bidi@prepend#1#2{#2#1}
3491
3492 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3493 %\newcommand*{\bidi@endpreamblehook}{}
3494
3495 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%
3496
3497 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipout}
3498 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
3499
3500 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
3501 \newcommand*{\bidi@beforeheaderhook}{}
3502
3503 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutput}
3504 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}

```



```

3505
3506 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpa
3507 \newcommand*{\bidi@afteroutputboxoutputpagehook}{\bidi@afteroutputboxoutputpagehook}{\bidi@
3508
3509 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
3510 \newcommand*{\bidi@beforefooterhook}{\bidi@beforefooterhook}{\bidi@beforefooterhook}{\bidi@
3511
3512 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
3513 \newcommand*{\bidi@afterfooterhook}{\bidi@afterfooterhook}{\bidi@afterfooterhook}{\bidi@
3514
3515
3516 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipoutho
3517 \newcommand*{\bidi@afteroutputpageshipouthook}{\bidi@afteroutputpageshipouthook}{\bidi@
3518
3519 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
3520 \newcommand*{\bidi@atendoutputpagehook}{\bidi@atendoutputpagehook}{\bidi@atendoutputpagehook}{\bidi@
3521
3522 %\bidi@preto\document{%
3523 % \endgroup
3524 % \let\bidi@AtEndPreamble\@firstofone
3525 % \bidi@endpreamblehook
3526 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3527 % \bidi@undef\bidi@endpreamblehook
3528 % \begingroup}
3529
3530 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3531 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3532
3533 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3534 %\newcommand*{\bidi@afterendpreamblehook}{\bidi@afterendpreamblehook}{\bidi@afterendpreamblehook}{\bidi@
3535
3536 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}%
3537
3538 %\bidi@appto\document{%
3539 % \let\bidi@AfterEndPreamble\@firstofone
3540 % \bidi@afterendpreamblehook
3541 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3542 % \bidi@undef\bidi@afterendpreamblehook
3543 % \ignorespaces}
3544
3545 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterendddocume
3546 \newcommand*{\bidi@afterendddocumentchecklabelsrerunhook}{\bidi@afterendddocumentchecklabelsrerunhook}{\bidi@
3547
3548 \bidi@patchcmd\enddocument
3549 {\fi}
3550 {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
3551 \bidi@afterendddocumentchecklabelsrerunhook
3552 \fi}
3553 {}
3554 {\PackageWarning{biditools}{Patching `string\enddocument' failed}}
3555
3556 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3557
3558 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}

```



```

3559 \newcommand*{\bidi@afterlastshipouthook}{}
3560
3561 \bidi@patchcmd\enddocument
3562   {\clearpage}
3563   {\clearpage
3564     \let\bidi@AfterLastShipout\@firstofone
3565     \bidi@afterlastshipouthook}
3566   {}
3567   {\let\bidi@clearpage\clearpage
3568     \def\clearpage{%
3569       \bidi@clearpage
3570       \let\bidi@AfterLastShipout\@firstofone
3571       \bidi@afterlastshipouthook}}
3572
3573 %\bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
3574 %\newcommand*{\bidi@afterenddocumenthook}{}
3575
3576 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\AddToHook{enddocument/end}}%
3577
3578 %\bidi@patchcmd\enddocument
3579 %   {\deadcycles}
3580 %   {\let\bidi@AfterEndDocument\@firstofone
3581 %     \bidi@afterenddocumenthook
3582 %     \deadcycles}
3583 %   {}
3584 %   {\let\bidi@@end\@@end
3585 %     \def\@@end{%
3586 %       \let\bidi@AfterEndDocument\@firstofone
3587 %       \bidi@afterenddocumenthook
3588 %       \bidi@@end}}
3589
3590 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3591   \bidi@csgappto{\bidi@begin@#1@hook}}
3592
3593 % Patch \begin<space> and \end<space> in newer LaTeX releases
3594 % \begin and \end in older ones.
3595 \expandafter\bidi@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
3596   {\csname #1\endcsname}
3597   {\bidi@csuse{\bidi@begin@#1@hook}%
3598     \csname #1\endcsname}
3599   {}
3600   {\bidi@warning{%
3601     Patching '\string\begin' failed!\MessageBreak
3602     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3603
3604
3605
3606 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3607   \bidi@csgappto{\bidi@end@#1@hook}}
3608
3609 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
3610   {\csname end#1\endcsname}
3611   {\bidi@csuse{\bidi@end@#1@hook}%
3612     \csname end#1\endcsname}

```




```

3613 {}
3614 {\bidi@warning{%
3615     Patching '\string\end' failed!\MessageBreak
3616     '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3617
3618
3619
3620 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3621     \bidi@csgappto{\bidi@beforebegin@#1@hook}}
3622
3623 \expandafter\bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
3624 {\bidi@csuse{\bidi@beforebegin@#1@hook}}
3625 {}
3626 {\bidi@warning{%
3627     Patching '\string\begin' failed!\MessageBreak
3628     '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
3629
3630 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3631     \bidi@csgappto{\bidi@afterend@#1@hook}}
3632
3633 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
3634 {\if@ignore}
3635 {\bidi@csuse{\bidi@afterend@#1@hook}%
3636     \if@ignore}
3637 {}
3638 {\bidi@warning{%
3639     Patching '\string\end' failed!\MessageBreak
3640     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3641
3642 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
3643 \def\bidi@namegdef#1{\expandafter\gdef\csname #1\endcsname}
3644 \def\bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
3645 \def\bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
3646
3647 % From David Carlisle:
3648 % The \@stpelt redefinition below belongs to Heiko Oberdiek
3649 % See also https://github.com/ho-tex/oberdiek/issues/26
3650
3651 \let\bidi@stepcounter\stepcounter
3652 \let\bidi@@stpelt\@stpelt
3653
3654 \def\@stpelt#1{%
3655     \ifcsname bidi@reset@#1@perpage\endcsname
3656         \begingroup
3657             \let\stepcounter\bidi@stepcounter
3658             \@bidi@@stpelt{#1}%
3659         \endgroup
3660         \expandafter\@gobbletwo
3661     \fi
3662     \@bidi@@stpelt{#1}%
3663 }
3664
3665 \bidi@pretocmd\stepcounter
3666 {%

```



```

3667 \if@bidi@csundef{bidi@stepcounterhook@@#1}{-}{%
3668 \csname bidi@stepcounterhook@@#1\endcsname
3669 }%
3670 }-}%
3671 {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
3672
3673 \chardef\bidi@backslash`\\
3674 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
3675
3676 % anonymous control sequences
3677 \newcount\bidi@tempcountb
3678 \newtoks\bidi@temptoksa
3679 \newtoks\bidi@temptoksb
3680
3681 % Catcode (re)storing
3682 %
3683 \def\bidi@storecatcode#1%
3684 {\escapechar\m@ne
3685 \bidi@csarg\edef{bidi@restorecatcode\string#1}%
3686 {\catcode`\string#1=
3687 \the\catcode\expandafter`\string#1}%
3688 \catcode\expandafter`\string#1=12\relax
3689 \escapechar`\\ \relax}
3690 \def\bidi@restorecatcode#1%
3691 {\escapechar\m@ne
3692 \csname bidi@restorecatcode\string#1\endcsname
3693 \escapechar`\\ \relax}
3694
3695 % Construct a control sequence inside \edef
3696 %
3697 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3698
3699 % Construct a control sequence out of #2, and give it to #1
3700 %
3701 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
3702
3703 % Pick an escapecharacter
3704 % this presumes that its argument is a character.
3705 %
3706 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3707
3708 % Equality of strings.
3709 % the fast approach: does not work in expansion-only environment.
3710 %
3711 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
3712 \ifx\bidi@eqs@a\bidi@eqs@b}
3713
3714 % Test by expansion only
3715 %
3716 \def\bidi@EqualStringX#1#2{00\fi
3717 \csname if\@bidi@EqualStringX#1&#2&$\endcsname}
3718 \def\@bidi@EqualStringX#1#2$#3#4${\ifx#1#3%
3719 \ifx#1&true\else\bidi@hop@ES\@bidi@EqualStringX#2$#4$\fi
3720 \else false\fi}

```



```

3721 \def\bidhop@ES#1\fi#2\fi{\fi\fi#1}
3722
3723 % Lexicographic ordering
3724 % note the use of \def
3725 % also note the characters 0,127,255 that are used,
3726 % these are not supposed to appear in the strings
3727 %
3728 {\catcode0=12 \catcode255=12 \catcode127=12
3729 \gdef\bid@StringBeforeNC#1#2{00\fi
3730 \bid@CharsBefore#1^^@^^?#2^^ff^^?}
3731 \gdef\bid@CharsBeforeNC#1#2^^?#3#4^^?{%
3732 \ifcat#1\relax\def\bid@next{\bid@CharsBefore#2^^@^^?#3#4^^ff^^?}%
3733 \else\ifcat#3\relax\def\bid@next{\bid@CharsBefore#1#2^^@^^?#4^^ff^^?}%
3734 \else\ifnum\lccode`#1<\lccode`#3
3735 \def\bid@next{\csname iftrue\endcsname}%
3736 \else\ifnum\lccode`#1>\lccode`#3
3737 \def\bid@next{\csname iffalse\endcsname}%
3738 \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
3739 \fi \fi \fi \fi
3740 \bid@next}
3741 \gdef\bid@StringBefore#1#2{00\fi
3742 \bid@CharsBefore#1^^@^^?#2^^ff^^?}
3743 \gdef\bid@CharsBefore#1#2^^?#3#4^^?{%
3744 \ifnum`#1<`#3
3745 \def\bid@next{\csname iftrue\endcsname}%
3746 \else\ifnum`#1>`#3
3747 \def\bid@next{\csname iffalse\endcsname}%
3748 \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
3749 \fi\fi
3750 \bid@next}
3751 }
3752
3753 % Null argument test
3754 %
3755 \def\bid@empty{}
3756 \def\bid@ifempty#1{00\fi\expandafter\ifx\csname bid@#1null\endcsname\bid@null}
3757 \def\bid@ifemptyX#1{\expandafter\ifx\csname bid@#1null\endcsname\bid@null}
3758 %\def\bid@ifempty#1{\def\bid@cs@a{#1}\ifx\bid@cs@a\bid@empty}
3759 \def\bid@IsEmptyList#1{00\fi\def\bid@cs@a{#1}\ifx\cs@a\bid@empty}
3760
3761 % Next character test
3762 %
3763 \def\bid@NextChar#1#2#3{00\fi
3764 \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
3765 \futurelet\bid@nxt@c@\bid@ifnxtc}
3766 \def\bid@ifNextChar#1#2#3{%
3767 \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
3768 \futurelet\bid@nxt@c@\bid@ifnxtc}
3769 \def\bid@ifnxtc{\ifx\bid@nxt@ch\bid@nxt@c \expandafter\bid@nxt@a
3770 \else \expandafter\bid@nxt@b \fi}
3771
3772 % Test for defined-ness of string as control sequence.
3773 % works inside \edef
3774 %

```



```

3775 \def\bid@undefinedcs#1{00\fi\bid@csarg\ifx{#1}\relax}
3776
3777 % Define uniquely defined dummy macros,
3778 % usually to serve as bumper blocks at the end of a list
3779 %
3780 \newcount\bid@dummies
3781 \def\DefNewDummy#1{
3782   \if\bid@undefinedcs{#1}\bid@csarg\edef{#1}{\bid@dum\the\bid@dummies}
3783   \advance\bid@dummies\@ne
3784   \else
3785     \bid@error{Attempt at second definition of `#1'}
3786   \fi}
3787
3788 % string case statement
3789 % use: \bid@switch \iftest{...} in:
3790 %   item1 action1
3791 %   ...
3792 %   itemn actionn
3793 %   default defaultaction [optional]
3794 %   \endbid@switch
3795 % inspired by Jonathan Fine: Some Basic Control Macros
3796 % Tugboat 12 #4
3797 %
3798 \let\@bid@fi\fi \let\endbid@switch\relax \DefNewDummy{\bid@default}
3799 \def\bid@switch@exit #1 \@bid@fi #2 \endbid@switch {\fi #1}
3800 \def\bid@switch #1#2#3{\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3801   #1{#2}\bid@switch@exit #3 \@bid@fi
3802   \bid@switch {#1}
3803 }
3804 % this version puts the test object in {}
3805 \def\bid@oswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3806   #1{#2}\bid@switch@exit #3 \@bid@fi
3807   \bid@switch #1 in:
3808 }
3809 % this version assumes that the test object is just one character
3810 \def\bid@cswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3811   #1#2\bid@switch@exit #3 \@bid@fi
3812   \bid@cswitch #1 in:
3813 }
3814 % this version assumes that the test object can have an optional space
3815 \def\bid@bswitch #1 in: #2 #3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3816   #1#2 \bid@switch@exit #3 \@bid@fi
3817   \bid@bswitch #1 in:
3818 }
3819 % this version can cope with significant spaces at the start of #3;
3820 % #2 is macro argument
3821 \def\bid@mswitch #1 in: #2:#3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3822   #1{#2}\bid@switch@exit #3 \@bid@fi
3823   \bid@mswitch #1 in:
3824 }
3825 % idem; #2 does not have to be enclosed in braces
3826 \def\bid@fswitch #1 in: #2:#3; {\bid@csarg\ifx{#2}\bid@default\bid@switch@exit #3 \@bid@fi
3827   #1#2 \bid@switch@exit #3 \@bid@fi
3828   \bid@fswitch #1 in:

```



```

3829 }
3830
3831 % Routines for taking the value of a string:
3832 % if the string is defined as control sequence
3833 % take the value of that, otherwise take the string itself
3834
3835 % String or value of control sequence
3836 %
3837 \def\bid@w@w#1{\if\bid@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3838
3839 % String or control sequence
3840 %
3841 \def\@bid@w@w#1{\if\bid@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3842
3843 % String or \noexpand-ed control sequence;
3844 % for use in \edef
3845 %
3846 \newif\ifbid@in@label
3847 \def\@bid@w@w#1{\if\bid@undefinedcs{#1}#1\else
3848     \ifbid@in@label\noexpand\protect\fi \bid@csname{#1}\fi}
3849 \newtoks\bid@are@these@correct
3850 \def\bid@t@w@w#1{%
3851     \if\bid@undefinedcs{#1}#1%
3852     \ifdefining\bid@append@to@list\bid@are@these@correct{#1 }\fi
3853     \else
3854     \ifin@label\noexpand\protect\fi \bid@csname{#1}\fi}
3855
3856 % List Manipulation .....
3857 % this assumes that #1 is a list of tokens, #2 is the name of a list
3858 %
3859 % Names of lists (and of items to pop into) are given as strings;
3860 % not as control sequences.
3861 %
3862 \newtoks\bid@toks@lista \newtoks\bid@toks@listb
3863 % basic append/prepend macro
3864 \long\def\@bid@append@to@csl#1#2#3{\begingroup\bid@toks@lista=#2{#3}%
3865     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bid@toks@lista}
3866 \long\def\@bid@prepend@to@csl#1#2#3{\begingroup\bid@toks@lista=#2{#3}%
3867     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bid@toks@lista}
3868 \def\@bid@append@to@list{\bid@csarg\@bid@append@to@csl}
3869 \def\@bid@prepend@to@list{\bid@csarg\@bid@prepend@to@csl}
3870 % variations:
3871 \long\def\bid@append@to@list#1#2{\@bid@append@to@list{#1}{#2}}
3872 \long\def\bid@prepend@to@list#1#2{\@bid@prepend@to@list{#1}{#2}}
3873 \def\bid@append@list@to@list#1#2{%
3874     \@bid@append@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\endcsname}}
3875 \def\bid@prepend@list@to@list#1#2{%
3876     \@bid@prepend@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\endcsname}}
3877 \def\bid@append@csl@to@csl#1#2{%
3878     \@bid@append@to@csl{#1}\expandafter{\the#2}}
3879 \def\bid@prepend@csl@to@csl#1#2{%
3880     \@bid@prepend@to@csl{#1}\expandafter{\the#2}}
3881 \def\bid@append@toks@cs@to@list#1#2{\@bid@append@to@list{#1}\expandafter{\the#2}}
3882 \def\bid@prepend@toks@cs@to@list#1#2{\@bid@prepend@to@list{#1}\expandafter{\the#2}}

```



```

3883
3884 \let\bid@willbeunhskip\unhskip
3885
3886 % A few list macros for the user
3887 \def\NewTokenList:#1 {\bid@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3888 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
3889 \long\def\AppendToTokenList:#1=#2 {\bid@append@to@list{#1}{#2}}
3890 \long\def\PrependToTokenList:#1=#2 {\bid@prepend@to@list{#1}{#2}}
3891 \def\TheTokenList:#1 {\let\bid@oldwbuskip\bid@willbeunhskip \let\bid@willbeunhskip\empty
3892   \if\bid@undefinedcs{#1}\bid@error{Token List <#1> undefined}
3893   \else\bid@csarg\the{#1}\fi
3894   \let\bid@willbeunhskip\bid@oldwbuskip}
3895
3896 \def\bid@del@tok@from@list#1#2{\begingroup
3897   \long\def\bid@cs@liste##1#2##2\bid@tok@SM
3898     {\bid@toks@lista{##1}\bid@toks@listb{##2}%
3899     \edef\bid@cs@listb{\global\bid@csname{#1}=
3900       {\the\bid@toks@lista\the\bid@toks@listb}}%
3901     \bid@cs@listb}%
3902   \edef\bid@cs@lista{\noexpand\bid@cs@liste}\expandafter\the\csname#1\endcsname\noexpand
3903   \bid@cs@lista \endgroup}
3904 \def\bid@in@front@of@list#1{\bid@csarg{\let\expandafter\bid@cs@lista}{#1}%
3905   \bid@in@front@of@cslist\bid@cs@lista}
3906 \long\def\bid@in@front@of@cslist#1#2{\begingroup\bid@toks@lista={#2}%
3907   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bid@toks@list
3908   \endgroup}
3909 \long\def\bid@local@in@front@of@list#1#2{\bid@toks@lista={#2}%
3910   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3911     {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3912     \expandafter\the\csname#1\endcsname}%
3913   }
3914 \def\bid@set@list#1{\bid@csarg{\let\expandafter\bid@cs@lista}{#1}%
3915   \bid@set@cslist\bid@cs@lista}
3916 \long\def\bid@set@cslist#1#2{\begingroup\bid@toks@lista={#2}%
3917   \global#1=\expandafter{\the\bid@toks@lista}\endgroup}
3918
3919 %%%%%%%%%%%%%%% Stack macros
3920 %
3921 % push in terms of prepending of lists
3922 \def\bid@push@cs@onto@cs#1#2{\bid@prepend@to@cslist#1\expandafter{\expandafter\\expandafter
3923 \def\bid@push@onto#1{\bid@csarg\bid@push@onto@cs{#1}}
3924 \def\bid@push@onto@cs#1#2{\bid@prepend@to@cslist#1}{\{#2}}
3925 \def\bid@local@push@onto#1#2{\let\relax
3926   \bid@local@in@front@of@list{#1}{\{#2}}
3927 % pop via auxiliary macro: #1 is result, #2 is stack
3928 % two cs arguments
3929 \def\bid@pop@cs@into#1#2{\edef\bid@cs@e
3930   {\noexpand\@bid@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bid@pop}\bid@cs@e}
3931 % two string arguments
3932 \def\bid@pop@into#1#2{\edef\bid@cs@e
3933   {\noexpand\@bid@popinto\bid@csname{#1}\bid@csname{#2}\bid@csarg\the{#2}\noexpand\@bid@
3934 \long\def\@bid@popinto#1#2\#3#4\@bid@pop{#1}{#3}{#2}{#4}}
3935 \def\bid@copy@stacktop#1#2{%
3936   \edef\bid@cs@e{\noexpand\@bid@copy@stacktop

```



```

3937 {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
3938 \bidi@cs@e}
3939 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
3940 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
3941 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
3942 \def\bidi@length@of@csstack#1{\def\##1{\advance\bidi@stack@length\@ne}%
3943 \bidi@stack@length\@ne \the#1}
3944 % turn a stack upside down
3945 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
3946 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
3947 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3948 \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\@ne
3949 \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
3950 % \bidi@append@csl@to@csl\bidi@temptoksb\bidi@temptoksa% append a to b
3951 % \bidi@temptoksa\bidi@temptoksb
3952 \repeat% copy b to a
3953 #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3954 % invert a stack into a list
3955 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
3956 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
3957 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3958 \bidi@pop@into\bidi@temptoksb}{#1}\advance\bidi@stack@length\@ne
3959 \bidi@append@list@to@list\bidi@temptoksb}{\bidi@temptoksa}\repeat
3960 \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3961
3962
3963 % General loop macro:
3964 % \looprepeat
3965 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3966 % \untilcondition{<cond>} \whilecondition{<cond>}
3967 % \doloopbody { <loop body> }
3968 % where all control sequences in between \looprepeat and \doloopbody are optional.
3969 %
3970 % var: characters to form a control sequence;
3971 % after \forvariable{index} you can access the loop counter as \index.
3972 % This is a count register; to print it use \number\index.
3973 % start,step,end: integers with obvious relations to the loop counter;
3974 % start and step have a default value of 1
3975 % cond: (sequence of commands ending in) any TeX \if... test.
3976 %
3977 % Count down instead of up with \downtovalue; the increment given in \bystep
3978 % is always positive, and is added or subtracted accordingly.
3979 %
3980 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3981 % at the beginning of the loop body.
3982 %
3983 % Exit from middle of loop: \breaklooprepeat
3984 % use this at any place in the loop; in case of a conditional use
3985 % \ifsomething ... \expandafter \breaklooprepeat \fi
3986 %
3987 % Note that the line ends do not cause spaces in the output.
3988 %
3989 % Technical details:
3990 % The loop body is not executed in a group: the braces are those

```



```

3991 % of a token list.
3992 % The `forvariable' variable is \let to a \count register.
3993
3994
3995
3996 % Auxiliary stuff
3997 \def\bidi@looprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3998 \def\bidi@looprepeat@csromannumeral#1{\csname #1\romannumeral\bidi@looprepeat@depth\endcsname}
3999 \def\bidi@looprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidi@looprepeat@depth\endcsname}
4000
4001 \newcount\bidi@looprepeat@depth
4002 \let\endlooprepeat\relax \def\bidi@csprotect{}
4003 % Trace switches may later be defined by PAC_utils
4004 \let\bidi@looprepeat@traceinit\relax \let\bidi@looprepeat@traceexit\relax
4005
4006 % Main repeatloop macro
4007 % - go to next level and allocate unique counter/toks if this is the
4008 %   first time we visit this level
4009 % - setup: gather bounds and termination conditions
4010 % - scoop up body in token list; after the assignment define and
4011 %   execute body
4012 \def\looprepeat#1\dolooptbody{\bidi@looprepeat@traceinit % exit in \breakrepeatloop
4013   \advance\bidi@looprepeat@depth\@ne\relax
4014   \bidi@looprepeat@csargromannumeral{\ifx\bidi@looprepeat@count}\relax
4015     \bidi@looprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidi@looprepeat@count}%
4016     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepeat@toks}%
4017     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepeat@toks}%
4018     \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepeat@toks}%
4019   \fi \bidi@looprepeat@zero \def\bidi@looprepeat@sign{}\def\bidi@looprepeat@comp{>}\bidi@looprepeat@comp{>}
4020   \edef\bidi@looprepeat@tmp
4021     {\def\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}{\bidi@looprepeat@tmp}%
4022   \afterassignment\bidi@looprepeat@dxbody\bidi@looprepeat@csromannumeral{\bidi@looprepeat@toks}%
4023
4024 % Define and execute loop body
4025 % This is done with an \edef to construct the actual sequence
4026 \def\bidi@looprepeat@dxbody{\bidi@looprepeat@csargromannumeral\edef{\bidi@looprepeat@body}{%
4027   \bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@wtest}}%
4028   \noexpand\the\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@toks}%
4029   \bidi@looprepeat@csargromannumeral\the{\bidi@looprepeat@utest}}%
4030   \global\bidi@looprepeat@csargromannumeral\advance{\bidi@looprepeat@count} by \bidi@looprepeat@depth%
4031   \noexpand\endlooprepeat
4032   \bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}}%
4033 \bidi@looprepeat@csromannumeral{\bidi@looprepeat@body}\ignorespaces}
4034
4035 % Stop test
4036 %% In order to stop, issue a
4037 % \breaklooprepeat which scoops up the rest of the body and exits
4038 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral
4039   \advance\bidi@looprepeat@depth\@m\@ne \bidi@looprepeat@traceexit
4040 }
4041
4042
4043 % Setup
4044 % gather bounds and termination conditions

```




```

4045 \def\bidilooprepeat@setup#1{%
4046   \begingroup
4047     \def\forvariable##1{%
4048       \edef\bidilooprepeat@tmp{%
4049         \global\let\bidilooprepeat@csarg\noexpand{##1}\bidilooprepeat@csromannumeral{\bidilooprepeat@tmp}%
4050       \bidilooprepeat@tmp}%
4051     \def\fromvalue##1{\bidilooprepeat@csargromannumeral\global{\bidilooprepeat@count}##1\ignorespaces}%
4052     \def\tovalue##1{%
4053       \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@count}\bidilooprepeat@tmp}%
4054       {\bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}}%
4055       \noexpand\ifnum\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@count}\bidilooprepeat@tmp%
4056       \noexpand\expandafter \noexpand\breaklooprepeat
4057       \noexpand\fi}\ignorespaces}%
4058     \bidilooprepeat@tmp}%
4059   \def\downtovalue##1{%
4060     \gdef\bidilooprepeat@sign{-}\gdef\bidilooprepeat@comp{<}\tovalue{##1}\ignorespaces}%
4061   \def\bystep##1{\ifnum##1<0 \bidioerror{LOOPREPEAT: increment has to be a positive value}%
4062     \bidilooprepeat@csargromannumeral\gdef{\bidilooprepeat@inc}{-##1}\else
4063     \bidilooprepeat@csargromannumeral\gdef{\bidilooprepeat@inc}{##1}\fi\ignorespaces}%
4064   \def\untilcondition##1{%
4065     \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@count}\bidilooprepeat@tmp}%
4066     {\noexpand##1\relax
4067     \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
4068   \bidilooprepeat@tmp}%
4069   \def\whilecondition##1{%
4070     \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@count}\bidilooprepeat@tmp}%
4071     {\noexpand##1\relax \noexpand\else
4072     \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
4073   \bidilooprepeat@tmp}%
4074   \fromvalue{\@ne}\bystep{\@ne}#1%
4075   \endgroup}
4076 \def\bidilooprepeat@zero
4077   {\bidilooprepeat@csromannumeral{\bidilooprepeat@toks}{-}\bidilooprepeat@csromannumeral{\bidilooprepeat@body}}
4078   \bidilooprepeat@csargromannumeral\def{\bidilooprepeat@body}{-}
4079
4080 %\tracingmacros2
4081 %\newcount\tmpcount % used in some examples below
4082
4083 %\looprepeat \forvariable{i}
4084 %   \bystep{2}
4085 %   \doloopbody {%
4086 %     \ifnum i=13 \expandafter\breaklooprepeat \fi
4087 %     \number{i} %
4088 %}%
4089
4090 %\looprepeat \forvariable{iii}
4091 %   \tovalue{8}
4092 %   \doloopbody {}
4093 %After loop: \number{iii}%
4094
4095 %\looprepeat \forvariable{i}
4096 %   \fromvalue{10}
4097 %   \bystep{2}
4098 %   \downtovalue{0}

```



```

4099 % \doloopbody {\number\i} }
4100
4101 %\looprepeat \forvariable{x} \whilecondition{\ifnum\x<7}
4102 % \doloopbody {\number\x} }
4103
4104 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
4105
4106 %\looprepeat \forvariable{j}
4107 % \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
4108 % \doloopbody {\number\j} }
4109
4110 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
4111 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
4112 % \doloopbody {(\number\i.\number\j) }
4113 % }
4114
4115 % infinite loop
4116 %\looprepeat \doloopbody {}
4117
4118 \renewcommand{\InputIfFileExists}[2]{%
4119 \begingroup\expandafter\expandafter\expandafter\endgroup
4120 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
4121 \expandafter\@secondoftwo
4122 \else
4123 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
4124 \expandafter\@firstoftwo
4125 \fi
4126 {%
4127 \expandafter\InputIfFileExists\expandafter{\csname
4128 #1-@bidi@alias\endcsname}{#2}%
4129 }%
4130 {\IfFileExists{#1}{%
4131 \bidi@load@hook{before}{#1}%
4132 #2\@addtofilelist{#1}%
4133 \@input \@file@und
4134 \bidi@load@hook{after}{#1}%
4135 }}%
4136 }
4137
4138 \newcommand*{\bidi@loadwithoptions}{%
4139 \newcommand*{\bidi@loadwithoptions}{%
4140 \let\bidi@loadwithoptions\@loadwithoptions
4141
4142 \renewcommand*{\@loadwithoptions}[3]{%
4143 \begingroup\expandafter\expandafter\expandafter\endgroup
4144 \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
4145 \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
4146 \else
4147 \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
4148 \def\bidi@loadwithoptions{%
4149 \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
4150 }%
4151 \fi
4152 \bidi@loadwithoptions

```



```

4153 }
4154
4155 \newcommand*{\bidi@onefilewithoptions}{%
4156 \let\bidi@onefilewithoptions\@onefilewithoptions
4157 \def\bidi@onefilewithoptions#1[#2][#3]#4{%
4158 \begingroup\expandafter\expandafter\expandafter\endgroup
4159 \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
4160 \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
4161 \else
4162 \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
4163 \edef\bidi@onefilewithoptions{%
4164 \noexpand\bidi@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
4165 \fi
4166 \bidi@onefilewithoptions[#2][#3]{#4}%
4167 \bidi@load@hook{lateafter}{#1.#4}%
4168 }
4169
4170 \newcommand*{\bidi@ReplaceInput}[2]{%
4171 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
4172 }
4173
4174 \newcommand*{\bidi@UnReplaceInput}[1]{%
4175 \ifcsname #1-@bidi@alias\endcsname
4176 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
4177 \fi
4178 }
4179
4180 \newcommand*{\@bidi@replacefilewithext}[3]{%
4181 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
4182 }
4183 \newcommand*{\bidi@ReplacePackage}[2]{%
4184 \@bidi@replacefilewithext{#1}{#2}\@pkgextension
4185 }
4186 \newcommand*{\bidi@ReplaceClass}[2]{%
4187 \@bidi@replacefilewithext{#1}{#2}\@clsextension
4188 }
4189 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
4190 \ifcsname #1.#2-@bidi@aliasname\endcsname
4191 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
4192 \fi
4193 }
4194 \newcommand*{\bidi@UnReplacePackage}[1]{%
4195 \@bidi@unreplacefilewithext{#1}\@pkgextension
4196 }
4197 \newcommand*{\bidi@UnReplaceClass}[1]{%
4198 \@bidi@unreplacefilewithext{#1}\@clsextension
4199 }
4200 \newcommand*{\bidi@replacefile@msg}[2]{%
4201 \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
4202 }
4203
4204 \newcommand*{\bidi@load@hook}[2]{%
4205 \ifundefined{#2-@#1}{%
4206 \nameuse{#2-@#1}%

```



```

4207 \expandafter\let\csname #2-@#1\endcsname=\relax}}
4208 \newcommand*{\bidi@set@load@hook}[2]{%
4209 \ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}{}%
4210 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
4211 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
4212 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
4213 \newcommand*{\bidi@BeforeClass}[1]{%
4214 \bidi@set@load@hook{before}{#1.\@clsextension}}
4215 \newcommand*{\bidi@AfterClass}{%
4216 \ifstar {\@s@bidi@AfterClass}{%
4217 \ifnextchar +\@@bidi@AfterClass{%
4218 \ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
4219 }%
4220 }%
4221 }
4222
4223 \newcommand*{\@@@bidi@AfterClass}[2]{%
4224 \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
4225 \aftergroup\@s@bidi@AfterClass
4226 \else
4227 \aftergroup\bidi@AfterAtEndOfClass
4228 \fi
4229 \endgroup{#2}%
4230 }
4231
4232 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
4233 \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
4234 \newcommand*{\@@@bidi@AfterClass}[2]{%
4235 \begingroup
4236 \expandafter\ifx\csname #2.\@clsextension-h@k\endcsname\relax
4237 \aftergroup\@s@bidi@AfterClass
4238 \else
4239 \aftergroup\bidi@AfterClass
4240 \fi
4241 \endgroup{#2}%
4242 }
4243
4244 \newcommand*{\@bidi@AfterClass}[1]{%
4245 \bidi@set@load@hook{after}{#1.\@clsextension}}
4246 \newcommand*{\@s@bidi@AfterClass}[1]{%
4247 \begingroup
4248 \@ifclassloaded{#1}{%
4249 \aftergroup\@secondoftwo
4250 }{%
4251 \aftergroup\bidi@AfterClass
4252 }%
4253 \endgroup
4254 {#1}%
4255 }
4256
4257
4258 \newcommand*{\bidi@BeforePackage}[1]{%
4259 \bidi@set@load@hook{before}{#1.\@pkgextension}}
4260 \newcommand*{\bidi@AfterPackage}{%

```



```

4261 \ifstar {\@s@bidi@AfterPackage}{%
4262 \ifnextchar +\@bidi@AfterPackage{%
4263 \ifnextchar !\@@bidi@AfterPackage@bidi@AfterPackage
4264 }%
4265 }%
4266 }
4267 \newcommand*{\@@bidi@AfterPackage}[2]{%
4268 \begingroup\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
4269 \aftergroup\@s@bidi@AfterPackage
4270 \else
4271 \aftergroup\@bidi@AfterAtEndOfPackage
4272 \fi
4273 \endgroup{#2}%
4274 }
4275 \newcommand*{\@bidi@AfterAtEndOfPackage}[1]{%
4276 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
4277 \newcommand*{\@@bidi@AfterPackage}[2]{%
4278 \begingroup
4279 \expandafter\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
4280 \aftergroup\@s@bidi@AfterPackage
4281 \else
4282 \aftergroup\@bidi@AfterPackage
4283 \fi
4284 \endgroup{#2}%
4285 }
4286 \newcommand*{\@bidi@AfterPackage}[1]{%
4287 \bidi@set@load@hook{after}{#1.\@pkgextension}}
4288 \newcommand*{\@s@bidi@AfterPackage}[1]{%
4289 \begingroup
4290 \ifpackageloaded{#1}{%
4291 \aftergroup\@secondoftwo
4292 }{%
4293 \aftergroup\@bidi@AfterPackage
4294 }%
4295 \endgroup
4296 {#1}%
4297 }
4298
4299 \newcommand*{\@bidi@excludedpackages}{%
4300 \let\@bidi@excludedpackages\@empty
4301 \newcommand*{\@bidi@saved@RequirePackage}{%
4302 \newcommand*{\@bidi@PreventPackageFromLoading}{%
4303 \ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
4304 {\@bidi@PreventPackageFromLoading\PackageWarning}%
4305 }
4306 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
4307 \ifnextchar [%]
4308 {\@@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
4309 }
4310 \newcommand*{\@@bidi@PreventPackageFromLoading}{%
4311
4312 \def\@@bidi@PreventPackageFromLoading#1[#2]#3{%
4313 \edef\reserved@b{\zap@space#3 \@empty}%
4314 \ifx \reserved@b\@empty

```



```

4315 #1{biditools}{%
4316 \string\bid@PreventPackageFromLoading\space with empty packages\MessageBreak
4317 argument ignored%
4318 }%
4319 \else
4320 \ifx\bid@excludedpackages\@empty
4321 \let\bid@saved@RequirePackage\RequirePackage
4322 \let\RequirePackage\bid@RequirePackage
4323 \def\reserved@a##1##{%
4324 \@latex@error
4325 {\noexpand \usepackage before \string\documentclass}%
4326 {\noexpand \usepackage may only appear in the document
4327 preamble, i.e.,\MessageBreak
4328 between \noexpand\documentclass and
4329 \string\begin{document}.}%
4330 \@gobble}%
4331 \ifx\reserved@a\usepackage\else
4332 \ifx\usepackage\bid@saved@RequirePackage\else
4333 \PackageWarning{biditools}{%
4334 Maybe serious problem: unexpected definition of\MessageBreak
4335 \string\usepackage
4336 }%
4337 \fi
4338 \let\usepackage\RequirePackage
4339 \fi
4340 \fi
4341 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
4342 \reserved@b\do {%
4343 \ifx\reserved@a\@empty
4344 #1{biditools}{%
4345 empty package argument for
4346 \string\bid@PreventPackageFromLoading\MessageBreak
4347 ignored%
4348 }%
4349 \else
4350 \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
4351 #1{biditools}{%
4352 package '\reserved@a' already loaded.\MessageBreak
4353 Cannot prevent it from being loaded%
4354 }%
4355 }{%
4356 \edef\bid@excludedpackages{\bid@excludedpackages,%
4357 \reserved@a}%
4358 \if\relax\detokenize{#2}\relax\else
4359 \@ifundefined{bid@exclude@package@\reserved@a @do}{%
4360 \namedef{bid@exclude@package@\reserved@a @do}{}%
4361 }{%
4362 \expandafter\def
4363 \csname bid@exclude@package@\reserved@a
4364 @do\expandafter\expandafter\expandafter\endcsname
4365 \expandafter\expandafter\expandafter{%
4366 \csname bid@exclude@package@\reserved@a @do\endcsname
4367 #2%
4368 }%

```



```

4369         \fi
4370     }%
4371     \fi
4372 }%
4373 \ifx\bidix\excludedpackages\@empty
4374     \bidix\ResetPreventPackageFromLoading
4375 \fi
4376 \fi
4377 }
4378
4379 \@onlypreamble\bidix\PreventPackageFromLoading
4380 \newcommand*{\bidix\ResetPreventPackageFromLoading}{%
4381     \let\bidix\excludedpackages\@empty
4382     \ifx\RequirePackage\bidix\RequirePackage
4383         \ifx\usepackage\RequirePackage
4384             \let\usepackage\bidix\saved\RequirePackage
4385         \fi
4386     \let\RequirePackage\bidix\saved\RequirePackage
4387 \fi
4388 }
4389 \@onlypreamble\bidix\ResetPreventPackageFromLoading
4390 \newcommand*{\bidix\StorePreventPackageFromLoading}[1]{%
4391     \let#1\bidix\excludedpackages
4392 }
4393 \@onlypreamble\bidix\StorePreventPackageFromLoading
4394 \newcommand*{\bidix\UnPreventPackageFromLoading}{%
4395     \@ifstar {\@tempwatrue\@bidix\UnPreventPackageFromLoading}%
4396             {\@tempwafalse\@bidix\UnPreventPackageFromLoading}%
4397 }
4398
4399 \newcommand*{\@bidix\UnPreventPackageFromLoading}[1]{%
4400     \edef\reserved@a{\zap@space#1 \@empty}%
4401     \if@tempwa
4402         \@for\reserved@a:=\reserved@a\do {%
4403             \ifx\reserved@a\@empty \else
4404                 \ifcsname \bidix\exclude@package@\reserved@a @do\endcsname
4405                     \expandafter\let
4406                     \csname \bidix\exclude@package@\reserved@a @do\endcsname
4407                     \undefined
4408             \fi
4409         }%
4410     }%
4411     \fi
4412     \ifcsname \bidix\excludedpackages\endcsname
4413         \let\reserved@a\bidix\excludedpackages
4414         \let\bidix\excludedpackages\@empty
4415         \expandafter\@for\expandafter\reserved@c
4416         \expandafter:\expandafter=\reserved@a
4417         \do{%
4418             \ifx\reserved@c\@empty\else
4419                 \@expandtwoargs\in{,\reserved@c,}{,\reserved@a,}%
4420             \fi
4421         }%
4422     \edef\bidix\excludedpackages{%

```



```

4423         \bidi@excludedpackages,\reserved@c
4424     }%
4425     \fi
4426 \fi
4427 }%
4428 \ifx\bidi@excludedpackages\@empty\bidi@ResetPreventPackageFromLoading\fi
4429 \fi
4430 }
4431
4432
4433 \newcommand*{\bidi@RequirePackage}[2][{}]{%
4434     \let\reserved@c\@empty
4435     \let\reserved@d\@empty
4436     \edef\reserved@b{\zap@space#2 \@empty}%
4437     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
4438     \do {%
4439         \begingroup
4440         \@tempwattrue
4441         \@for\reserved@a:=\bidi@excludedpackages\do {%
4442             \ifx\reserved@a\reserved@b
4443                 \@tempwafalse
4444             \fi
4445         }%
4446         \if@tempswa
4447             \xdef\reserved@c{\reserved@c,\reserved@b}%
4448         \else
4449             \ifx\reserved@b\@empty\else
4450                 \PackageInfo{biditools}{Excluding package `'\reserved@b'\MessageBreak
4451                     from loading}%
4452                 \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
4453                     }{%
4454                         \expandafter\g@addto@macro\expandafter\reserved@d
4455                         \csname bidi@exclude@package@\reserved@b @do\endcsname
4456                     }%
4457             \fi
4458         \fi
4459     \endgroup
4460 }%
4461 \ifx\reserved@c\@empty
4462     \let\reserved@a\bidi@gobbleopt
4463 \else
4464     \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
4465         \expandafter\@gobble\reserved@c\@empty}}%
4466 \fi
4467 \expandafter\reserved@d
4468 \reserved@a
4469 }
4470
4471 \newcommand{\bidi@gobbleopt}[1][{}]{
4472 \AtEndDocument{%
4473     \let\bidi@saved@checkend=\@checkend
4474     \renewcommand*{\@checkend}[1]{%
4475         \def\reserved@a{#1}\def\reserved@b{document}%
4476         \bidi@saved@checkend{#1}%

```




```

4477 \ifx\reserved@a\reserved@b
4478 \let\bidisaved@clearpage=\clearpage
4479 \renewcommand*{\clearpage}{\bidisaved@clearpage
4480 \bidi@hook@bcma
4481 \bidi@restore@newpage
4482 \let\clearpage=\bidisaved@clearpage}%
4483 \fi%
4484 \let\bidisaved@dofilelist\@dofilelist
4485 \def\@dofilelist{%
4486 \bidi@hook@acma
4487 \let\@dofilelist\bidisaved@dofilelist
4488 \bidisaved@dofilelist
4489 }%
4490 }%
4491 }
4492
4493
4494 \newcommand*{\bidisaved@checkend}{%
4495 \newcommand*{\bidisaved@dofilelist}{%
4496 \newcommand*{\bidi@redefine@newpage}{%
4497 \let\bidisaved@newpage\newpage
4498 \def\bidi@restore@newpage{%
4499 \renewcommand*{\newpage}{%
4500 \PackageWarningNoLine{%
4501 biditools%
4502 }{%
4503 \string\newpage\space at main aux file!\MessageBreak
4504 You have output material at the main aux file.\MessageBreak
4505 Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
4506 are processed before the output from aux file%
4507 }%
4508 \let\newpage\bidisaved@newpage
4509 \newpage
4510 }%
4511 }%
4512 \renewcommand*{\newpage}{%
4513 \PackageError{%
4514 biditools%
4515 }{%
4516 \string\newpage\space at \string\bidi@BeforeClosingMainAux
4517 }{%
4518 You should never use \string\newpage\space or
4519 \string\clear(double)page or other output material at the\MessageBreak
4520 argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
4521 If you'll continue, the \string\newpage\space will be ignored to
4522 avoid corruption of\MessageBreak
4523 every prior use of \string\bidi@BeforeClosingMainAux.
4524 }%
4525 }%
4526 }
4527
4528 \newcommand*{\bidi@restore@newpage}{%
4529 \newcommand*{\bidi@hook@bcma}{%
4530 \newcommand*{\bidi@hook@acma}{%

```



```

4531 \newcommand*{\bidi@BeforeClosingMainAux}{%
4532   \ifx\bidi@hook@bcma\@empty
4533     \gdef\bidi@hook@bcma{%
4534       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{####1}%
4535       \let\protected@write\bidi@protected@immediate@write
4536       \bidi@redefine@newpage
4537     }%
4538   \fi
4539   \g@addto@macro\bidi@hook@bcma%
4540 }
4541
4542 \newcommand*{\bidi@AfterReadingMainAux}{%
4543   \ifx\bidi@hook@acma\@empty
4544     \gdef\bidi@hook@acma{%
4545       \renewcommand*{\bidi@AfterReadingMainAux}[1]{####1}%
4546       \let\protected@write\bidi@protected@immediate@write
4547     }%
4548   \fi
4549   \g@addto@macro\bidi@hook@acma%
4550 }
4551
4552 \long\def\bidi@protected@immediate@write#1#2#3{%
4553   \begingroup
4554     #2%
4555     \let\protect\@unexpandable@protect
4556     \edef\reserved@a{\immediate\write#1{#3}}%
4557     \reserved@a
4558   \endgroup
4559   \if@nobeak\ifvmode\nobeak\fi\fi
4560 }
4561
4562 \def\bidi@patch@counter{0}%
4563 \if@bidi@csundef{numexpr}{%
4564   \def\bidi@patch@stepcounter{%
4565     \begingroup
4566       \count@\bidi@patch@counter\relax
4567       \advance\count@\@one\relax
4568     \edef\x{\endgroup
4569       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}}%
4570     }%
4571     \x
4572   }%
4573 }{%
4574   \def\bidi@patch@stepcounter{%
4575     \edef\bidi@patch@counter{%
4576       \the\numexpr\bidi@patch@counter+\@one\relax
4577     }%
4578   }%
4579 }
4580 \def\bidi@patch@list{}
4581 \def\bidi@patch@Add{%
4582   \bidi@appto\bidi@patch@list
4583 }
4584 \def\bidi@patch@AfterPackage#1{%

```



```

4585 \@ifpackageloaded{#1}{%
4586   \@firstofone
4587 }{%
4588   \@bidi@patch@AfterPackage{#1}%
4589 }%
4590 }
4591 \def\@bidi@patch@AfterPackage#1{%
4592   \edef\@bidi@patch@temp{#1}%
4593   \bidi@patch@stepcounter
4594   \expandafter\@bidi@patch@@AfterPackage
4595   \csname @bidi@patch@\@bidi@patch@counter\expandafter\endcsname{%
4596     \@bidi@patch@temp
4597   }%
4598 }
4599 \def\@bidi@patch@@AfterPackage#1#2#3{%
4600   \begingroup
4601     \toks@{#3}%
4602     \xdef\@bidi@patch@gtemp{%
4603       \noexpand\@ifpackageloaded{#2}{%
4604         \noexpand\let\noexpand#1\noexpand\relax
4605         \the\toks@
4606       }{%
4607         }%
4608     }
4609     \let#1\@bidi@patch@gtemp
4610     \bidi@patch@Add#1%
4611     \bidi@patch@try{\@bidi@AfterPackage}{#2}#1%
4612 }
4613
4614 \def\@bidi@patch@try#1#2#3{%
4615   \if@bidi@csundef{#1}{}%
4616     \csname #1\endcsname{#2}{#3}%
4617   }%
4618 }
4619
4620 \AtBeginDocument{\@bidi@patch@list}
4621
4622 \bidi@AtEndPreamble{\@bidi@patch@list}%
4623
4624 \bidi@AfterEndPreamble{%
4625   \let\@bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
4626   \let\@bidi@patch@OrgIfPackageLater\@ifpackagelater
4627   \let\@bidi@patch@OrgIfClassLoaded\@ifclassloaded
4628   \let\@bidi@patch@OrgIfClassLater\@ifclasslater
4629   \bidi@patch@list
4630   \let\@ifpackageloaded\@bidi@patch@OrgIfPackageLoaded
4631   \let\@ifpackagelater\@bidi@patch@OrgIfPackageLater
4632   \let\@ifclassloaded\@bidi@patch@OrgIfClassLoaded
4633   \let\@ifclasslater\@bidi@patch@OrgIfClassLater
4634 }%

```

22 File bidentuftefloat.sty

```

4635 \NeedsTeXFormat{LaTeX2e}

```



```

4636 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
4637 bidi implementation of tufte float]
4638 \RequirePackage{xifthen}
4639 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
4640 \newcommand{\@bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
4641 \newcommand{\@bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bid
4642 \newcommand{\@bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
4643 \newboolean{\@bidituftefloat@reversegeometry}
4644 \setboolean{\@bidituftefloat@reversegeometry}{false}
4645 \DeclareOption{reversegeometry}{\setboolean{\@bidituftefloat@reversegeometry}{true}}
4646 \newboolean{\@bidituftefloat@a4paper}
4647 \DeclareOption{a4paper}{\setboolean{\@bidituftefloat@a4paper}{true}}
4648 \newboolean{\@bidituftefloat@b5paper}
4649 \DeclareOption{b5paper}{\setboolean{\@bidituftefloat@b5paper}{true}}
4650 \newboolean{\@bidituftefloat@symmetric}
4651 \newboolean{\@bidituftefloat@twoside}
4652 \DeclareOption{twoside}{%
4653 \@twoside true \mparswitch true%
4654 \setboolean{\@bidituftefloat@twoside}{true}%
4655 \setboolean{\@bidituftefloat@symmetric}{true}%
4656 }
4657 \DeclareOption{oneside}{%
4658 \@twoside false \mparswitch false%
4659 \setboolean{\@bidituftefloat@twoside}{false}%
4660 \setboolean{\@bidituftefloat@symmetric}{false}%
4661 }
4662 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4663 \newboolean{\@bidituftefloat@debug}
4664 \newcommand*{\@bidituftefloat@caption@justification}{\@bidituftefloat@justification@autodete
4665 \ProcessOptions
4666 %% Globally sets the length
4667 \newcommand*{\gsetlength}[2]{%
4668 \setlength{#1}{#2}%
4669 \global#1=#1\relax%
4670 }
4671
4672 %% Set the font sizes and baselines to match bidituftefloat's books
4673 \renewcommand\normalsize{%
4674 \setfontsize\normalsize\@xpt{14}%
4675 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4676 \abovedisplayshortskip \z@ \@plus3\p@
4677 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4678 \belowdisplayskip \abovedisplayskip
4679 \let\@listi\@listI}
4680 \normalbaselineskip=14pt
4681 \normalsize
4682 \renewcommand\footnotesize{%
4683 \setfontsize\footnotesize\@viipt{10}%
4684 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4685 \abovedisplayshortskip \z@ \@plus\p@
4686 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4687 \def\@listi{\leftmargin\leftmarginI
4688 \topsep 3\p@ \@plus\p@ \@minus\p@
4689 \parsep 2\p@ \@plus\p@ \@minus\p@

```



```

4690             \itemsep \parsep}%
4691     \belowdisplayskip \abovedisplayskip
4692 }
4693 %% Paragraph indentation and separation for marginal text
4694 \newcommand{\@biditytfloat@margin@par}{%
4695     \setlength{\RaggedRightParindent}{0.5pc}%
4696     \setlength{\JustifyingParindent}{0.5pc}%
4697     \setlength{\parindent}{0.5pc}%
4698     \setlength{\parskip}{0pt}%
4699 }
4700 \RequirePackage{ragged2e}
4701 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
4702 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
4703 \ifthenelse{\boolean{@biditytfloat@a4paper}}
4704     {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpa
4705     }
4706 \ifthenelse{\boolean{@biditytfloat@b5paper}}
4707     {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm
4708     }{}%
4709 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
4710 \ifthenelse{\boolean{@biditytfloat@a4paper}}
4711     {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
4712     }
4713 \ifthenelse{\boolean{@biditytfloat@b5paper}}
4714     {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,
4715     }{}
4716 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4717     {}
4718     {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
4719 \setlength{\marginparpush}{10pt}
4720 %% Font for margin items
4721 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
4722 \newcommand*{\@biditytfloat@captionfont}{\@biditytfloat@marginfont}
4723 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@captionfont}{#1}}
4724 \newcommand{\@biditytfloat@justification}{\justifying}%
4725 \setlength{\abovedisplayskip}{6pt plus 2pt minus 4pt}
4726 \setlength{\belowdisplayskip}{6pt plus 2pt minus 4pt}
4727 \newboolean{@biditytfloat@changepage}
4728 \IfFileExists{changepage.sty}{%
4729     \biditytfloatDebugInfoNL{Found changepage.sty}
4730     \RequirePackage[strict]{changepage}
4731     \setboolean{@biditytfloat@changepage}{true}
4732 }{%
4733     \biditytfloatDebugInfoNL{Found chngpage.sty}
4734     \RequirePackage[strict]{chngpage}
4735     \setboolean{@biditytfloat@changepage}{false}
4736 }
4737 \newboolean{@biditytfloat@odd@page}
4738 \setboolean{@biditytfloat@odd@page}{true}
4739 \newcommand*{\@biditytfloat@checkoddpage}{%
4740     \checkoddpage%
4741     \ifthenelse{\boolean{@biditytfloat@changepage}}{%
4742         \ifoddpage%
4743         \setboolean{@biditytfloat@odd@page}{true}%

```



```

4744 \else%
4745 \setboolean{@biditytfloat@odd@page}{false}%
4746 \fi%
4747 }{%
4748 \ifcoddpage%
4749 \setboolean{@biditytfloat@odd@page}{true}%
4750 \else%
4751 \setboolean{@biditytfloat@odd@page}{false}%
4752 \fi%
4753 }%
4754 }
4755 \newlength{@@biditytfloat@overhang}% used by the fullwidth environment and the running head
4756 \newlength{@@biditytfloat@fullwidth}
4757 \newlength{@@biditytfloat@caption@fill}
4758 \newcommand{\@biditytfloatRecalculate}{%
4759 \setlength{@@biditytfloat@overhang}{\marginparwidth}
4760 \addtolength{@@biditytfloat@overhang}{\marginparsep}
4761
4762 \setlength{@@biditytfloat@fullwidth}{\textwidth}
4763 \addtolength{@@biditytfloat@fullwidth}{\marginparsep}
4764 \addtolength{@@biditytfloat@fullwidth}{\marginparwidth}
4765
4766 \setlength{@@biditytfloat@caption@fill}{\textwidth}
4767 \addtolength{@@biditytfloat@caption@fill}{\marginparsep}
4768 }
4769 \AtBeginDocument{\@biditytfloatRecalculate}
4770 \RequirePackage{optparams}% provides multiple optional arguments for commands
4771 \RequirePackage{placeins}
4772 \newsavebox{@@biditytfloat@margin@floatbox}
4773 \newenvironment{@@biditytfloat@margin@float}[2][-1.2ex]%
4774 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in o
4775 \begin{lrbox}{@@biditytfloat@margin@floatbox}%
4776 \begin{minipage}{\marginparwidth}%
4777 \@biditytfloat@caption@font%
4778 \def\@capttype{#2}%
4779 \hbox{} \vspace*{#1}%
4780 \@biditytfloat@caption@justification%
4781 \@biditytfloat@margin@par%
4782 \noindent%
4783 }
4784 {\end{minipage}%
4785 \end{lrbox}%
4786 \marginpar{\usebox{@@biditytfloat@margin@floatbox}}%
4787 }
4788 \newenvironment{marginfigure}[1][-1.2ex]%
4789 {\begin{@@biditytfloat@margin@float}[#1]{figure}}
4790 {\end{@@biditytfloat@margin@float}}
4791 \newenvironment{margintable}[1][-1.2ex]%
4792 {\begin{@@biditytfloat@margin@float}[#1]{table}}
4793 {\end{@@biditytfloat@margin@float}}
4794 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
4795
4796 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float
4797 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output

```



```

4798 \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}%
4799   {\def\@biditytfloat@float@debug@info{#1}}%
4800   {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
4801 }
4802 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4803 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug@info{#1}}%
4804 \newboolean{\@biditytfloat@float@recto}
4805 \newcommand{\forcerectofloat}{\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@biditytfloat@float@debug@info{#1}}%
4806 \newcommand{\forceversofloat}{\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@biditytfloat@float@debug@info{#1}}%
4807 \newsavebox{\@biditytfloat@figure@box}
4808 \newsavebox{\@biditytfloat@caption@box}
4809 \let\@biditytfloat@orig@float\@float
4810 \let\@biditytfloat@orig@endfloat\endfloat
4811 \newlength{\@biditytfloat@caption@vertical@offset}
4812 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
4813 \newcommand{\@biditytfloat@stored@shortcaption}{%
4814 \newcommand{\@biditytfloat@stored@caption}{%
4815 \newcommand{\@biditytfloat@stored@label}{%
4816 \long\def\@biditytfloat@caption[#1][#2]#3{%
4817   \ifthenelse{\isempty{#1}}%
4818     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
4819     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
4820   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to 1
4821   \gdef\@biditytfloat@stored@caption{#3}%
4822 }
4823 \newcommand{\@biditytfloat@label}[1]{%
4824   \gdef\@biditytfloat@stored@label{#1}%
4825 }
4826 \newcommand{\@biditytfloat@fps}{%
4827 \newboolean{\@biditytfloat@float@star}
4828 \newlength{\@biditytfloat@float@contents@width}
4829 \newenvironment{\@biditytfloat@float}[3][htbp]%
4830   {% begin \@biditytfloat@float
4831   % Should this float be full-width or just text-width?
4832   \ifthenelse{\equal{#3}{star}}%
4833     {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
4834     {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
4835   % Check page side (recto/verso) and store detected value -- can be overridden in environment
4836   \@biditytfloat@checkoddpagew%
4837   \ifthenelse{\boolean{\@biditytfloat@odd@page}}%
4838     {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}\@biditytfloat@float@debug@info{#1}}%
4839     {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}\@biditytfloat@float@debug@info{#1}}%
4840   % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
4841   \renewcommand{\@biditytfloat@fps}{#1}%
4842   \@biditytfloat@float@debug@info{Allowed positions: [1]}%
4843   \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
4844     {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug@info{Presumed position: [bottom]}}%
4845     {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug@info{Presumed position: [top]}}%
4846   % Capture the contents of the \caption and \label commands to use later
4847   \global\let\@biditytfloat@orig@caption\caption%
4848   \global\let\@biditytfloat@orig@label\label%
4849   \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[1][0pt]}}%
4850   \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4851   % Handle subfigure package compatibility

```



```

4852 \ifthenelse{\boolean{@biditytfloat@packages@subfigure}}{%
4853   \bidi@patchcmd{\subfigure}{%
4854     \let\subfig@oldlabel=\label
4855   }{%
4856     \let\subfig@oldlabel=\@biditytfloat@orig@label
4857   }
4858   {}
4859   {}
4860   \let\subtable=\subfigure
4861 }{}% subfigure package is not loaded
4862 \@biditytfloat@orig@float{#2}[#1]%
4863 \ifthenelse{\boolean{@biditytfloat@float@star}}%
4864   {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4865   {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4866 \begin{lrbox}{\@biditytfloat@figure@box}%
4867   \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4868 }{}% end @biditytfloat@float
4869   \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{} a
4870   \end{minipage}%
4871 \end{lrbox}%
4872 % build the caption box
4873 \begin{lrbox}{\@biditytfloat@caption@box}%
4874   \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4875     \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}}{\@biditytfloat@orig@cap
4876     \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}}{\@biditytfloat@orig@label
4877     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4878   \end{minipage}%
4879 \end{lrbox}%
4880 % now typeset the stored boxes
4881 \begin{fullwidth}%
4882   \begin{minipage}[\floatalignment]{\linewidth}%
4883     \ifthenelse{\boolean{@biditytfloat@float@star}}%
4884       {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
4885       {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
4886     \end{minipage}%
4887 \end{fullwidth}%
4888 \@biditytfloat@orig@endfloat% end original LaTeX float environment
4889 % output debug info
4890 \ifthenelse{\boolean{@biditytfloat@debug}}{%
4891   \typeout{^^J^^J----- biditytfloat package float information -----}%
4892   \ifthenelse{\equal{\@biditytfloat@stored@label}}{}%
4893     {\typeout{Warning: Float unlabeled!}}%
4894     {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4895   \typeout{Page number: [\thepage]}%
4896   \def\MessageBreak{^^J}%
4897   \typeout{\@biditytfloat@float@debug@info}%
4898   \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4899     {\typeout{Symmetric: [true]}}%
4900     {\typeout{Symmetric: [false]}}%
4901   \typeout{-----^^J^^J}%
4902 }{}%
4903 % reset commands and temp boxes and captions
4904 \gdef\@biditytfloat@float@debug@info{}%
4905 \let\caption\@biditytfloat@orig@caption%

```




```

4906 \let\label\@biditytfloat@orig@label%
4907 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4908 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4909 \gdef\@biditytfloat@stored@shortcaption{}%
4910 \gdef\@biditytfloat@stored@caption{}%
4911 \gdef\@biditytfloat@stored@label{}%
4912 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4913 }
4914 \newcommand{\@biditytfloat@float@textwidth}[3][Opt]{%
4915 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\OR\boolean{@biditytfloat@float@recto}}{
4916 % asymmetric or page is odd, so caption is on the right
4917 \hbox{%
4918 \usebox{#2}%
4919 \hspace{\marginparsep}%
4920 \smash{\raisebox{#1}{\usebox{#3}}}%
4921 }
4922 \@biditytfloat@float@debug{Caption position: [right]}%
4923 }{% symmetric pages and page is even, so caption is on the left
4924 \hbox{%
4925 \smash{\raisebox{#1}{\usebox{#3}}}%
4926 \hspace{\marginparsep}%
4927 \usebox{#2}%
4928 }
4929 \@biditytfloat@float@debug{Caption position: [left]}%
4930 }%
4931 }
4932 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4933 \ifthenelse{\equal{\floatalignment}{b}}{
4934 {% place caption above figure
4935 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\OR\boolean{@biditytfloat@float@recto}}{
4936 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug}
4937 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug}
4938 }{% place caption below figure
4939 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\OR\boolean{@biditytfloat@float@recto}}{
4940 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug}
4941 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug}
4942 }%
4943 }
4944 \renewenvironment{figure}[1][htbp]{
4945 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}}{}
4946 {\end{@biditytfloat@float}}
4947 \renewenvironment{table}[1][htbp]{
4948 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}}{}
4949 {\end{@biditytfloat@float}}
4950 \renewenvironment{figure*}[1][htbp]{
4951 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4952 {\end{@biditytfloat@float}}
4953 \renewenvironment{table*}[1][htbp]{
4954 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4955 {\end{@biditytfloat@float}}
4956 \newenvironment{fullwidth}
4957 {\ifthenelse{\boolean{@biditytfloat@symmetric}}{
4958 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}}{-\@biditytfloat@overhang}}{
4959 {\begin{adjustwidth}}{-\@biditytfloat@overhang}}%

```



```

4960 }%
4961 {\ifthenelse{\boolean{@biditytfloat@symmetric}}}%
4962   {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}%
4963   {\end{adjustwidth}}}%
4964 }
4965 \long\def\@caption#1[#2]#3{%
4966   \par%
4967   \addcontentsline{\csname ext@#1\endcsname}{#1}%
4968     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4969   \begingroup%
4970     \@parboxrestore%
4971     \if@minipage%
4972       \setminipage%
4973     \fi%
4974     \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4975     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4976     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4977   \endgroup}
4978 %%
4979 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4980 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
4981   \@ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
4982 }
4983 \def\@biditytfloat@newlinetospace@i{%
4984   \ifdim\lastskip>\z@ \else \space \fi
4985   \ignorespaces%
4986 }
4987 \DeclareRobustCommand{\newlinetospace}[1]{%
4988   \let\@biditytfloat@orig@cr\% save the original meaning of \
4989   \def\@biditytfloat@newlinetospace{% turn \ and \* into \space
4990   \let\newline\% turn \newline into \space
4991   #1%
4992   \let\@biditytfloat@orig@cr\% revert to original meaning of \
4993 }
4994 \RequirePackage{fancyhdr}
4995 \pagestyle{fancy}
4996 \AtBeginDocument{%
4997   \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4998     {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}%
4999     {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}%
5000 }
5001 % The running heads/feet don't have rules
5002 \renewcommand{\headrulewidth}{0pt}
5003 \renewcommand{\footrulewidth}{0pt}
5004 % The 'fancy' page style is the default style for all pages.
5005 \fancyhf{} % clear header and footer fields
5006   \ifthenelse{\boolean{@biditytfloat@symmetric}}%
5007     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
5008     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}%
5009     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
5010 % The 'plain' page style is used on chapter opening pages.
5011 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
5012 % bottom of pages -- the folios are unexpressed.
5013 \fancypagestyle{plain}{

```



```

5014 \fancyhf{} % clear header and footer fields
5015 % Uncomment the following five lines of code if you want the opening page
5016 % of the chapter to express the folio in the lower outside corner.
5017 % \ifthenelse{\boolean{@biditytfloat@symmetric}}
5018 % {\fancyfoot[LE,RO]{\thepage}}
5019 % {\fancyfoot[RE,RO]{\thepage}}
5020 }
5021 % The 'empty' page style suppresses all headers and footers.
5022 % It's used on title pages and 'intentionally blank' pages.
5023 \fancypagestyle{empty}{
5024 \fancyhf{} % clear header and footer fields
5025 }
5026 \def\morefloats{% provides a total of 52 floats
5027 \ifthenelse{\isundefined{\bx@S}}{%
5028 \biditytfloatDebugInfoNL{Adding 34 more float slots.}
5029 \newinsert\bx@S
5030 \newinsert\bx@T
5031 \newinsert\bx@U
5032 \newinsert\bx@V
5033 \newinsert\bx@W
5034 \newinsert\bx@X
5035 \newinsert\bx@Y
5036 \newinsert\bx@Z
5037 \newinsert\bx@a
5038 \newinsert\bx@b
5039 \newinsert\bx@c
5040 \newinsert\bx@d
5041 \newinsert\bx@e
5042 \newinsert\bx@f
5043 \newinsert\bx@g
5044 \newinsert\bx@h
5045 \newinsert\bx@i
5046 \newinsert\bx@j
5047 \newinsert\bx@k
5048 \newinsert\bx@l
5049 \newinsert\bx@m
5050 \newinsert\bx@n
5051 \newinsert\bx@o
5052 \newinsert\bx@p
5053 \newinsert\bx@q
5054 \newinsert\bx@r
5055 \newinsert\bx@s
5056 \newinsert\bx@t
5057 \newinsert\bx@u
5058 \newinsert\bx@v
5059 \newinsert\bx@w
5060 \newinsert\bx@x
5061 \newinsert\bx@y
5062 \newinsert\bx@z
5063 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
5064 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
5065 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
5066 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
5067 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V

```



```

5068         \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
5069         \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
5070         \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
5071         \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
5072         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
5073         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
5074         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
5075 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
5076 \ifthenelse{\isundefined{\bx@AA}}{%
5077     \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
5078     \newinsert\bx@AA
5079     \newinsert\bx@BB
5080     \newinsert\bx@CC
5081     \newinsert\bx@DD
5082     \newinsert\bx@EE
5083     \newinsert\bx@FF
5084     \newinsert\bx@GG
5085     \newinsert\bx@HH
5086     \newinsert\bx@II
5087     \newinsert\bx@JJ
5088     \newinsert\bx@KK
5089     \newinsert\bx@LL
5090     \newinsert\bx@MM
5091     \newinsert\bx@NN
5092     \newinsert\bx@OO
5093     \newinsert\bx@PP
5094     \newinsert\bx@QQ
5095     \newinsert\bx@RR
5096     \newinsert\bx@SS
5097     \newinsert\bx@TT
5098     \newinsert\bx@UU
5099     \newinsert\bx@VV
5100     \newinsert\bx@WW
5101     \newinsert\bx@XX
5102     \newinsert\bx@YY
5103     \newinsert\bx@ZZ
5104 \gdef\@freelist{\@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
5105     \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
5106     \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
5107     \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
5108     \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
5109     \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
5110     \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
5111     \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
5112     \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
5113     \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
5114     \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
5115     \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
5116     \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
5117     \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
5118     \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
5119     \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
5120     \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
5121     \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%

```



```

5122 }{%
5123 \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
5124 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space on
5125 }%
5126 }%
5127 }
5128 \newboolean{@biditytfloat@packages@subfigure}
5129 \setboolean{@biditytfloat@packages@subfigure}{false}
5130 \AtBeginDocument{%
5131 \ifpackageloaded{subfigure}
5132 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
5133 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}}%
5134 }
5135 \AtBeginDocument{%
5136 \ifpackageloaded{float}{%
5137 % Save the redefined float environment (instead of the LaTeX float environment)
5138 \let@biditytfloat@orig@float@float
5139 \let@biditytfloat@orig@endfloat@endfloat
5140
5141 % Define Tuftian float styles (with the caption in the margin)
5142 \newcommand{\floatc@biditytfloat@plain}[2]{%
5143 \begin{lrbox}{\@biditytfloat@caption@box}%
5144 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}}%
5145 \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
5146 \end{minipage}%
5147 \end{lrbox}%
5148 \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
5149 }
5150 \newcommand{\fs@biditytfloat@plain}{%
5151 \def\@fs@cfont{\@biditytfloat@caption@font}%
5152 \let\@fs@capt\floatc@biditytfloat@plain%
5153 \def\@fs@pre{}%
5154 \def\@fs@post{}%
5155 \def\@fs@mid{}%
5156 \let\@fs@iftopcapt\iftrue%
5157 }
5158 \let\fs@biditytfloat@plaintop=\fs@biditytfloat@plain
5159 \let\floatc@biditytfloat@plaintop=\floatc@biditytfloat@plain
5160 \newcommand\floatc@biditytfloat@ruled[2]{%
5161 {\@fs@cfont #1} #2\par%
5162 }
5163 \newcommand\fs@biditytfloat@ruled{%
5164 \def\@fs@cfont{\@biditytfloat@caption@font}%
5165 \let\@fs@capt\floatc@biditytfloat@plain%
5166 \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
5167 \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
5168 \def\@fs@mid{}%
5169 \let\@fs@iftopcapt\iftrue%
5170 }
5171 \newcommand\fs@biditytfloat@boxed{%
5172 \def\@fs@cfont{}%
5173 \let\@fs@capt\floatc@biditytfloat@plain%
5174 \def\@fs@pre{%
5175 \setbox\@currbox\vbox{\hbadness10000

```



```

5176      \moveleft3.4pt\vbox{\advance\hsize by6.8pt
5177      \hrule \hbox to\hsize{\vrule\kern3pt
5178      \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
5179      }%
5180      \def\@fs@mid{\kern2pt}%
5181      \def\@fs@post{}%
5182      \let\@fs@iftopcapt\iftrue%
5183      }
5184      }{%
5185      % Nothing to do
5186      }
5187      }
5188      \AtBeginDocument{%
5189      \@ifpackageloaded{algorithm}{%
5190      % Set the float style to the Tufte version
5191      \ifthenelse{\equal{\ALG@floatstyle}{plain}}\OR\equal{\ALG@floatstyle}{ruled}}\OR\equal{\AL
5192      \bidituftfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBrea
5193      \floatstyle{\bidituftfloat\ALG@floatstyle}%
5194      \restylefloat{algorithm}%
5195      }{}%
5196      }{%
5197      % Nothing to do
5198      }
5199      }
5200      \PassOptionsToPackage{caption=false}{subfig}

```

23 File bidituftesidenote.sty

```

5201 \NeedsTeXFormat{LaTeX2e}
5202 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
5203 bidi implementation of tufte sidenote]
5204 \RequirePackage{xifthen}
5205 \RequirePackage{ragged2e}
5206 \RequirePackage{setspace}
5207 \RequirePackage{biditools}
5208 \def\bidituftesidenotemarginpar{%
5209   \ifhmode
5210     \@bsphack
5211     \@floatpenalty -\@Mii
5212   \else
5213     \@floatpenalty -\@Miii
5214   \fi
5215   \ifinner
5216     \@parmoderr
5217     \@floatpenalty\z@
5218   \else
5219     \@next\@currbox\@freelist{}{}%
5220     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5221     {\@floatpenalty\z@
5222     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
5223   \fi
5224   \ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
5225   \long\def\@bidituftesidenotexmpar[#1]#2{%
5226     \@bidituftesidenotesavemarbox\@marbox{#1}%

```



```

5227 \@bidityftesidenotesavemarbox\@currbox{#2}%
5228 \@xympar}
5229 \long\def\@bidityftesidenoteympar#1{%
5230 \@bidityftesidenotesavemarbox\@marbox{#1}%
5231 \global\setbox\@currbox\copy\@marbox
5232 \@xympar}
5233 \long\def \@bidityftesidenotesavemarbox #1#2{%
5234 \global\setbox #1%
5235 \color@vbox
5236 \vtop{%
5237 \hsize\marginparwidth
5238 \@parboxrestore
5239 \@bidityftesidenotemarginparreset
5240 #2%
5241 \@minipagefalse
5242 \outer@nobreak
5243 }%
5244 \color@endbox
5245 }
5246 \def \@bidityftesidenotemarginparreset {%
5247 \reset@font
5248 \normalsize
5249 \@minipagetrue
5250 \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
5251 }
5252 \def\LTRbidityftesidenotemarginpar{%
5253 \ifhmode
5254 \@bsphack
5255 \@floatpenalty -\@Mii
5256 \else
5257 \@floatpenalty-\@Miii
5258 \fi
5259 \ifinner
5260 \@parmoderr
5261 \@floatpenalty\z@
5262 \else
5263 \@next\@currbox\@freelist{}{}%
5264 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5265 {\@floatpenalty\z@
5266 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5267 \fi
5268 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
5269 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
5270 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
5271 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
5272 \@xympar}
5273 \long\def\@LTRbidityftesidenoteympar#1{%
5274 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
5275 \global\setbox\@currbox\copy\@marbox
5276 \@xympar}
5277 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
5278 \global\setbox #1%
5279 \color@vbox
5280 \vtop{%

```



```

5281         \hsize\marginparwidth
5282         \@parboxrestore
5283         \@LTRbidituftesidenotemarginparreset
5284         #2%
5285         \@minipagefalse
5286         \outer@nobreak
5287     }%
5288     \color@endbox
5289 }
5290 \def \@LTRbidituftesidenotemarginparreset {%
5291     \reset@font
5292     \normalsize
5293     \@minipagetrue
5294     \everypar{\@minipagefalse\everypar{}\beginL}%
5295 }
5296 \def\RTLbidituftesidenotemarginpar{%
5297     \ifhmode
5298         \@bsphack
5299         \@floatpenalty -\@Mii
5300     \else
5301         \@floatpenalty-\@Miii
5302     \fi
5303     \ifinner
5304         \@parmoderr
5305         \@floatpenalty\z@
5306     \else
5307         \@next\@currbox\@freelist{}\{}%
5308         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5309         {\@floatpenalty\z@
5310         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5311     \fi
5312     \@ifnextchar [\@RTLbidituftesidenotexmpar\@RTLbidituftesidenoteympar}
5313 \long\def\@RTLbidituftesidenotexmpar[#1]#2{%
5314     \@RTLbidituftesidenotesavemarbox\@marbox{#1}%
5315     \@RTLbidituftesidenotesavemarbox\@currbox{#2}%
5316     \@xympar}
5317 \long\def\@RTLbidituftesidenoteympar#1{%
5318     \@RTLbidituftesidenotesavemarbox\@marbox{#1}%
5319     \global\setbox\@currbox\copy\@marbox
5320     \@xympar}
5321 \long\def \@RTLbidituftesidenotesavemarbox #1#2{%
5322     \global\setbox #1%
5323         \color@vbox
5324         \vtop{%
5325             \hsize\marginparwidth
5326             \@parboxrestore
5327             \@RTLbidituftesidenotemarginparreset
5328             #2%
5329             \@minipagefalse
5330             \outer@nobreak
5331         }%
5332     \color@endbox
5333 }
5334 \def \@RTLbidituftesidenotemarginparreset {%

```




```

5335         \reset@font
5336         \normalsize
5337         \@minipagetrue
5338         \everypar{\@minipagefalse\everypar{}\beginR}%
5339     }
5340     \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
5341     \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
5342     \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
5343     \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
5344     \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
5345     \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
5346     \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
5347     \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
5348     \newcommand*{\@bidityftesidenote@RTLMarginnote@font}{\@bidityftesidenote@RTLMarginfont}
5349     \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
5350     \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
5351     \newcommand*{\@bidityftesidenote@RTLCitation@font}{\@bidityftesidenote@RTLmarginfont}
5352     \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
5353     \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
5354     \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
5355     \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
5356     \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
5357     \newcommand*{\setRTLMarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLMarginnote@font}{#1}}
5358     \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
5359     \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
5360     \newcommand*{\setRTLCitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLCitation@font}{#1}}
5361     \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@auto}
5362     \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@auto}
5363     \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@auto}
5364     \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
5365     \newcommand{\@bidityftesidenote@margin@par}{%
5366         \setlength{\RaggedRightParindent}{0.5pc}%
5367         \setlength{\JustifyingParindent}{0.5pc}%
5368         \setlength{\parindent}{0.5pc}%
5369         \setlength{\parskip}{0pt}%
5370     }
5371     %%
5372     % Globally sets the length
5373     \@ifundefined{gsetlength}{%
5374     \newcommand*{gsetlength}[2]{%
5375         \setlength{#1}{#2}%
5376         \global#1=#1\relax%
5377     }%
5378     }{}
5379     %%
5380     %%
5381     % A function that removes leading and trailing spaces from the supplied macro.
5382     % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
5383     % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
5384     % being trimmed of leading and trailing white space.
5385     \catcode`\Q=3
5386     \def\@bidityftesidenote@trim@spaces#1{%
5387         % Use grouping to emulate a multi-token afterassignment queue
5388         \begingroup%

```



```

5389 % Put ``\toks 0 {' into the afterassignment queue
5390 \aftergroup\toks\aftergroup0\aftergroup{%
5391 % Apply \trimb to the replacement text of #1, adding a leading
5392 % \noexpand to prevent brace stripping and to serve another purpose
5393 % later.
5394 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
5395 % Transfer the trimmed text back into #1.
5396 \edef#1{\the\toks0}%
5397 }
5398 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
5399 % clean up any leftover bizarre Qs, and trim a leading space. In
5400 % order for \trimc to work properly we need to put back a Q first.
5401 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
5402 % Execute \vfuzz assignment to remove leading space; the \noexpand
5403 % will now prevent unwanted expansion of a macro or other expandable
5404 % token at the beginning of the trimmed text. The \endgroup will feed
5405 % in the \aftergroup tokens after the \vfuzz assignment is completed.
5406 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
5407 \catcode`\Q=11
5408 %%
5409 % Citations should go in the margin as sidenotes
5410
5411 \RequirePackage{natbib}
5412 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography env
5413 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
5414 \renewcommand\BR@b@bibitem[2] [] {%
5415   \ifthenelse{\isempty{#1}}{%
5416     {\BR@bibitem{#2}}%
5417     {\BR@bibitem[#1]{#2}}%
5418   \BR@c@bibitem{#2}%
5419 }
5420 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
5421 %%
5422 % Normal \cite behavior
5423 \newcounter{@bidityftesidenote@num@bibkeys}%
5424 \newcommand{@bidityftesidenote@normal@cite}[2] [Opt] {%
5425   % Snag the last bibentry in the list for later comparison
5426   \let\@temp@last@bibkey\@empty%
5427   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5428   \sidenote[] [#1] {%
5429     % Loop through all the bibentries, separating them with semicolons and spaces
5430     \normalsize\normalfont\@bidityftesidenote@citation@font%
5431     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5432     \@for\@temp@bibkeyx:=#2\do{%
5433       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5434         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\{and\ }%
5435           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5436           \bibentry{\@temp@bibkeyx}}%
5437         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5438           \bibentry{\@temp@bibkeyx};\ }%
5439       \stepcounter{@bidityftesidenote@num@bibkeys}%
5440     }%
5441   }%
5442 }

```



```

5443 \newcommand{\@bidityftelTRsidenote@normal@cite}[2][Opt]{%
5444 % Snag the last bibentry in the list for later comparison
5445 \let\@temp@last@bibkey\@empty%
5446 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5447 \LTRsidenote[] [#1]{%
5448 % Loop through all the bibentries, separating them with semicolons and spaces
5449 \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
5450 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5451 \@for\@temp@bibkeyx:=#2\do{%
5452 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5453 {\ifthenelse{equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5454 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5455 \bibentry{\@temp@bibkeyx}}%
5456 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5457 \bibentry{\@temp@bibkeyx};\ }%
5458 \stepcounter{@bidityftesidenote@num@bibkeys}%
5459 }%
5460 }%
5461 }
5462 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
5463 % Snag the last bibentry in the list for later comparison
5464 \let\@temp@last@bibkey\@empty%
5465 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5466 \RTLsidenote[] [#1]{%
5467 % Loop through all the bibentries, separating them with semicolons and spaces
5468 \normalsize\normalfont\@bidityftesidenote@citation@font%
5469 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5470 \@for\@temp@bibkeyx:=#2\do{%
5471 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5472 {\ifthenelse{equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5473 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5474 \bibentry{\@temp@bibkeyx}}%
5475 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5476 \bibentry{\@temp@bibkeyx};\ }%
5477 \stepcounter{@bidityftesidenote@num@bibkeys}%
5478 }%
5479 }%
5480 }
5481 %%
5482 % Macros for holding the list of cite keys until after the \sidenote
5483 \gdef\@bidityftesidenote@citations{}% list of cite keys
5484 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
5485 \ifx\@bidityftesidenote@citations\@empty\else
5486 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
5487 \fi
5488 \g@addto@macro\@bidityftesidenote@citations{#1}
5489 }
5490 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin no
5491 % Snag the last bibentry in the list for later comparison
5492 \let\@temp@last@bibkey\@empty%
5493 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
5494 \marginpar{%
5495 \hbox{}\vspace*{#1}%
5496 \@bidityftesidenote@citation@font%

```



```

5497 \@bidityftesidenote@citation@justification%
5498 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5499 \vspace*{-1\baselineskip}%
5500 % Loop through all the bibentries, separating them with semicolons and spaces
5501 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5502 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
5503   \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5504     {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5505       \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5506       \bibentry{\@temp@bibkeyx}}%
5507     {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5508       \bibentry{\@temp@bibkeyx};\ }%
5509     \stepcounter{@bidityftesidenote@num@bibkeys}%
5510   }%
5511 }%
5512 }
5513 %%
5514 % \cite behavior when executed within a sidenote
5515 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
5516 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
5517   \@bidityftesidenote@add@citation{#1}
5518 }
5519 %%
5520 % Set the default \cite style. This is set and reset by the \sidenote command.
5521 \let\cite\@bidityftesidenote@normal@cite
5522 \let\LTRcite\@bidityftesidenote@normal@cite
5523 \let\RTLcite\@bidityftesidenote@normal@cite
5524 %%
5525 % Transform existing \footnotes into \sidenotes
5526 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
5527 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5528 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5529 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5530 % Override footmisc's definition to set the sidenote marks (numbers) inside the
5531 % sidenote's text block.
5532 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@font\@bidityftesidenote@font}}}%
5533 % Set the in-text footnote mark in the same typeface as the body text itself.
5534 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnote@font\@bidityftesidenote@font}}}}%
5535 \providecommand*{\multiplefootnotemark}{\footnote@font\@bidityftesidenote@font}
5536 \providecommand*{\multfootsep}{,}%
5537 \bidi@patch@AfterPackage{bidi}{\def\@footnotemark{\@bidityftesidenote@font\@bidityftesidenote@font}}%
5538 \renewcommand{\@footnotemark}{\@bidityftesidenote@font\@bidityftesidenote@font}
5539 \leavevmode%
5540 \ifhmode%
5541   \edef\@x@sf{\the\spacefactor}%
5542   \@bidityftesidenote@check@multiple@sidenotes%
5543   \nobreak%
5544   \fi%
5545   \@makefnmark%
5546   \ifhmode\spacefactor\@x@sf\fi%
5547   \relax%
5548 }%
5549 }
5550 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%

```



```

5551 \ifdim\lastkern=\multiplefootnotemarker\relax%
5552 \edef\@x@sf{\the\spacefactor}%
5553 \unkern%
5554 \textsuperscript{\multfootsep}%
5555 \spacefactor\@x@sf\relax%
5556 \fi
5557 }
5558 \bidi@patch@AfterPackage{bidi}{%
5559 \renewcommand\@footnotetext[2][Opt]{%
5560 \bidityftesidenotemarginpar{%
5561 \hbox{ }\vspace*{#1}%
5562 \def\baselinestretch {\setspace@singlespace}%
5563 \reset@font%
5564 \bidi@@footnotetext@font% \reset@font\footnotesize%
5565 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5566 \vspace*{-1\baselineskip}\noindent%
5567 \protected@edef\@currentlabel{%
5568 \csname p@footnote\endcsname\@thefnmark%
5569 }%
5570 \color@begingroup%
5571 \@makefntext{%
5572 \ignorespaces#2%
5573 }%
5574 \color@endgroup%
5575 }%
5576 }%
5577 \renewcommand\@LTRfootnotetext[2][Opt]{%
5578 \LTRbidityftesidenotemarginpar{%
5579 \hbox{ }\vspace*{#1}%
5580 \def\baselinestretch {\setspace@singlespace}%
5581 \reset@font%
5582 \bidi@@LTRfootnotetext@font% \reset@font\footnotesize%
5583 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5584 \vspace*{-1\baselineskip}\noindent%
5585 \protected@edef\@currentlabel{%
5586 \csname p@footnote\endcsname\@thefnmark%
5587 }%
5588 \color@begingroup%
5589 \@makefntext{%
5590 \ignorespaces#2%
5591 }%
5592 \color@endgroup%
5593 }%
5594 }%
5595 \renewcommand\@RTLfootnotetext[2][Opt]{%
5596 \RTLbidityftesidenotemarginpar{%
5597 \hbox{ }\vspace*{#1}%
5598 \def\baselinestretch {\setspace@singlespace}%
5599 \reset@font%
5600 \bidi@@RTLfootnotetext@font% \reset@font\footnotesize%
5601 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5602 \vspace*{-1\baselineskip}\noindent%
5603 \protected@edef\@currentlabel{%
5604 \csname p@footnote\endcsname\@thefnmark%

```



```

5605 }%
5606 \color@begingroup%
5607 \makefnintext{%
5608 \ignorespaces#2%
5609 }%
5610 \color@endgroup%
5611 }%
5612 }%
5613 }
5614 %
5615 % Define \sidenote command. Can handle \cite.
5616 \newlength{\@bidituftesidenote@sidenote@vertical@offset}
5617 \setlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}
5618 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5619 \long\def\@bidituftesidenote@sidenote[#1][#2]#3{%
5620 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
5621 \gdef\@bidituftesidenote@citations{}% clear out any old citations
5622 \ifthenelse{\NOT\isempty{#2}}{%
5623 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
5624 }{%
5625 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
5626 }%
5627 \ifthenelse{\isempty{#1}}{%
5628 % no specific footnote number provided
5629 \stepcounter\@mpfn%
5630 \protected@xdef\@thefnmark{\thempfn}%
5631 \@footnotemark\@footnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
5632 }{%
5633 % specific footnote number provided
5634 \begingroup%
5635 \csname c@\@mpfn\endcsname #1\relax%
5636 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5637 \endgroup%
5638 \@footnotemark\@footnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
5639 }%
5640 \@bidituftesidenote@print@citations% print any citations
5641 \let\cite\@bidituftesidenote@normal@cite% go back to using normal in-text \cite command
5642 \let\LTRcite\@bidituftesidenote@normal@cite% go back to using normal in-text \LTR
5643 \let\RTLcite\@bidituftesidenote@normal@cite% go back to using normal in-text \RTL
5644 \unskip\ignorespaces% remove extra white space
5645 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5646 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5647 }
5648 \long\def\@LTRbidituftesidenote@sidenote[#1][#2]#3{%
5649 \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
5650 \gdef\@bidituftesidenote@citations{}% clear out any old citations
5651 \ifthenelse{\NOT\isempty{#2}}{%
5652 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
5653 }{%
5654 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
5655 }%
5656 \ifthenelse{\isempty{#1}}{%
5657 % no specific footnote number provided
5658 \stepcounter\@mpfn%

```



```

5659 \protected@xdef\@thefnmark{\thempfn}%
5660 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5661 }{%
5662 % specific footnote number provided
5663 \begingroup%
5664 \csname c@\@mpfn\endcsname #1\relax%
5665 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5666 \endgroup%
5667 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5668 }%
5669 \@bidityftesidenote@print@citations% print any citations
5670 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
5671 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
5672 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
5673 \unskip\ignorespaces% remove extra white space
5674 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5675 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5676 }
5677 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5678 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5679 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5680 \ifthenelse{\NOT\isempty{#2}}{%
5681 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5682 }{%
5683 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5684 }%
5685 \ifthenelse{\isempty{#1}}{%
5686 % no specific footnote number provided
5687 \stepcounter\@mpfn%
5688 \protected@xdef\@thefnmark{\thempfn}%
5689 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5690 }{%
5691 % specific footnote number provided
5692 \begingroup%
5693 \csname c@\@mpfn\endcsname #1\relax%
5694 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5695 \endgroup%
5696 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5697 }%
5698 \@bidityftesidenote@print@citations% print any citations
5699 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
5700 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
5701 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
5702 \unskip\ignorespaces% remove extra white space
5703 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5704 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5705 }
5706 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
5707 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
5708 \newcommand{\RTLsidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
5709 \bidi@patch@AfterPackage{bidi}{%
5710 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
5711 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
5712 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%

```




```

5713 }
5714 %%
5715 % Sidenote without the footnote mark
5716 \newcommand\marginnote[2][Opt]{%
5717   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5718   \gdef\@bidityftesidenote@citations{}%          clear out any old citations
5719   \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
5720   \@bidityftesidenote@print@citations%            print any citations
5721   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5722   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
5723   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
5724 }
5725 \newcommand\LTRmarginnote[2][Opt]{%
5726   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5727   \gdef\@bidityftesidenote@citations{}%          clear out any old citations
5728   \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@print@citations%
5729   \@bidityftesidenote@print@citations%            print any citations
5730   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5731   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
5732   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
5733 }
5734 \newcommand\RTLmarginnote[2][Opt]{%
5735   \let\cite\@bidityftesidenote@infootnote@cite%   use the in-sidenote \cite command
5736   \gdef\@bidityftesidenote@citations{}%          clear out any old citations
5737   \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@bidityftesidenote@print@citations%
5738   \@bidityftesidenote@print@citations%            print any citations
5739   \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5740   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
5741   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
5742 }

```

24 File bidityftetoc.sty

```

5743 \NeedsTeXFormat{LaTeX2e}
5744 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5745 bidi implementation of tufte toc]
5746 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5747 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5748 \newcommand{\@bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5749 %%
5750 % Turn off section numbering
5751 \setcounter{secnumdepth}{-1}
5752 \newboolean{@bidityftetoc@toc}
5753 \setboolean{@bidityftetoc@toc}{true}
5754 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
5755 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
5756 \ProcessOptions
5757 %%
5758 % Make Tufte-style section headings and TOC formatting
5759 \bidi@patch@AfterPackage{bidi}{%
5760 \titleformat{\chapter}%
5761   [display]% shape
5762   {\relax\ifthenelse{\NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format
5763   {\itshape\huge\thechapter}% label

```




```

5764 {0pt}% horizontal separation between label and title body
5765 {\huge\rmfamily\itshape}% before the title body
5766 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}]% after the title
5767 \titleformat{\section}%
5768 [hang]% shape
5769 {\normalfont\Large\itshape}% format applied to label+text
5770 {\thesection}% label
5771 {1em}% horizontal separation between label and title body
5772 {}% before the title body
5773 []% after the title body
5774 \titleformat{\subsection}%
5775 [hang]% shape
5776 {\normalfont\large\itshape}% format applied to label+text
5777 {\thesubsection}% label
5778 {1em}% horizontal separation between label and title body
5779 {}% before the title body
5780 []% after the title body
5781 \titleformat{\paragraph}%
5782 [runin]% shape
5783 {\normalfont\itshape}% format applied to label+text
5784 {\theparagraph}% label
5785 {1em}% horizontal separation between label and title body
5786 {}% before the title body
5787 []% after the title body
5788 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5789 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5790 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5791 }
5792 % Subsubsection and following section headings shouldn't be used.
5793 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5794 \renewcommand\subsubsection{%
5795   \biditytetoError{\noexpand\subsubsection is undefined by this class.%
5796     \MessageBreak See Robert Bringhurst's _The Elements of
5797     \MessageBreak Typographic Style_, section 4.2.2.
5798     \MessageBreak \noexpand\subsubsection was used}
5799   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5800     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
5801     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityteto.com/.}
5802 }
5803 \renewcommand\subparagraph{%
5804   \biditytetoError{\noexpand\subparagraph is undefined by this class.%
5805     \MessageBreak See Robert Bringhurst's _The Elements of
5806     \MessageBreak Typographic Style_, section 4.2.2.
5807     \MessageBreak \noexpand\subparagraph was used}
5808   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5809     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
5810     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityteto.com/.}
5811 }
5812 % Formatting for main TOC (printed in front matter)
5813 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5814 \ifthenelse{\boolean{@bidityteto@toc}}{%
5815   \bidi@patch@AfterPackage{bidi}{%
5816     \titlecontents{part}% FIXME
5817     [0em] % distance from left margin

```



```

5818 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
5819 {\contentslabel{2em}} % before w/label (label = ``II'')
5820 {} % before w/o label
5821 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5822 [\end{fullwidth}] % after
5823 \titlecontents{chapter}%
5824 [0em] % distance from left margin
5825 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global form
5826 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5827 {\hspace*{0em}} % before w/o label
5828 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5829 [\end{fullwidth}] % after
5830 \titlecontents{section}% FIXME
5831 [0em] % distance from left margin
5832 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5833 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5834 {\hspace*{2em}} % before w/o label
5835 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5836 [\end{fullwidth}] % after
5837 \titlecontents{subsection}% FIXME
5838 [0em] % distance from left margin
5839 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5840 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5841 {\hspace*{4em}} % before w/o label
5842 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5843 [\end{fullwidth}] % after
5844 \titlecontents{paragraph}% FIXME
5845 [0em] % distance from left margin
5846 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global f
5847 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5848 {\hspace*{6em}} % before w/o label
5849 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5850 [\end{fullwidth}] % after
5851}%
5852}{%
5853%%
5854% Format lists of figures/tables
5855\renewcommand\listoffigures{%
5856 \ifundefined{chapter}%
5857 {\section*{\listfigurename}}%
5858 {\chapter*{\listfigurename}}%
5859% \begin{fullwidth}%
5860 \@starttoc{lof}%
5861% \end{fullwidth}%
5862}
5863\renewcommand\listoftables{%
5864 \ifundefined{chapter}%
5865 {\section*{\listtablename}}%
5866 {\chapter*{\listtablename}}%
5867% \begin{fullwidth}%
5868 \@starttoc{lot}%
5869% \end{fullwidth}%
5870}
5871\newcommand{\@biditytetoc@lof@oline}[2]{%

```



```

5872 % #1 is the figure/table number and its caption text
5873 % #2 is the page number on which the figure/table appears
5874 \leftskip 0.0em
5875 \rightskip 0em
5876 \parfillskip 0em plus 1fil
5877 \parindent 0.0em
5878 \@afterindenttrue
5879 \interlinepenalty\@M
5880 \leavevmode
5881 \@tempdima 2.0em
5882 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5883 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5884 {#1}\nobreak\quad\nobreak#2%
5885 \par%
5886 }
5887 \renewcommand*\l@figure{\@bittuftetoc@lof@line}
5888 \let\l@table\l@figure

```

25 File bittuftegeneralstructure.sty

```

5889 \NeedsTeXFormat{LaTeX2e}
5890 \ProvidesPackage{bittuftegeneralstructure}[2011/06/18 v0.1
5891 bidi implementation of tufte general structure]
5892 \renewcommand\small{%
5893   \@setfontsize\small\@ixpt{12}%
5894   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5895   \abovedisplayshortskip \z@ \@plus2\p@
5896   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5897   \def\@listi{\leftmargin\leftmargini
5898     \topsep 4\p@ \@plus2\p@ \@minus2\p@
5899     \parsep 2\p@ \@plus\p@ \@minus\p@
5900     \itemsep \parsep}%
5901   \belowdisplayskip \abovedisplayskip
5902 }
5903 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5904 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5905 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5906 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5907 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5908 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5909 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5910 \setlength\leftmargini {1pc}
5911 \setlength\leftmarginii {1pc}
5912 \setlength\leftmarginiii {1pc}
5913 \setlength\leftmarginiv {1pc}
5914 \setlength\leftmarginv {1pc}
5915 \setlength\leftmarginvi {1pc}
5916 \setlength\labelsep {.5pc}
5917 \setlength\labelwidth {\leftmargini}
5918 \addtolength\labelwidth{-\labelsep}
5919 \setlength{\parindent}{1.0pc}%
5920 \setlength{\parskip}{0pt}%
5921 \RequirePackage{ragged2e}
5922 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}

```



```

5923 % Paragraph indentation and separation for normal text
5924 \newcommand{\@biditytgeneralstructure@reset@par}{%
5925   \setlength{\RaggedRightParindent}{1.0pc}%
5926   \setlength{\JustifyingParindent}{1.0pc}%
5927   \setlength{\parindent}{1pc}%
5928   \setlength{\parskip}{0pt}%
5929 }
5930 \@biditytgeneralstructure@reset@par
5931 % Require paralist package for tighter lists
5932 \RequirePackage{paralist}
5933 % Add rightmargin to compactenum
5934 \def\@compactenum{%
5935   \expandafter\list\csname label\@enumctr\endcsname{%
5936     \usecounter{\@enumctr}%
5937     \rightmargin=2em% added this
5938     \parsep\plparsep
5939     \itemsep\plitemsep
5940     \topsep\pltopsep
5941     \partopsep\plpartopsep
5942     \def\makelabel##1{\hss\llap{##1}}}}
5943 %%
5944 % An environment for paragraph-style section
5945 \providecommand\newthought[1]{%
5946   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5947   \noindent\textbf{#1}%
5948 }
5949 %%
5950 % Redefine the display environments (quote, quotation, etc.)
5951 \renewenvironment{verse}
5952   {\let\\ \@centercr
5953    \list{}{\itemsep \z@
5954            \itemindent -1pc%
5955            \listparindent\itemindent
5956            \rightmargin \leftmargin
5957            \advance\leftmargin 1pc}%
5958    \small%
5959    \item\relax}
5960 {\endlist}
5961 \renewenvironment{quotation}
5962   {\list{}{\listparindent 1pc%
5963            \itemindent \listparindent
5964            \rightmargin \leftmargin
5965            \parsep \z@ \@plus\p@}%
5966    \small%
5967    \item\relax\noindent\ignorespaces}
5968 {\endlist}
5969 \renewenvironment{quote}
5970   {\list{}{\rightmargin\leftmargin}%
5971    \small%
5972    \item\relax}
5973 {\endlist}
5974 % Italicize description run-in headings (instead of the default bold)
5975 \renewcommand*{\descriptionlabel[1]}{\hspace\labelsep\normalfont\em #1}
5976 %%

```



```

5977 % Redefine \bibsection to not mark the running heads.
5978 % (Code modified from natbib.sty.)
5979 \@ifundefined{chapter}%
5980   {\renewcommand\bibsection{\section*{\refname}}}
5981   {\@ifundefined{NAT@sectionbib}%
5982     {\renewcommand\bibsection{\chapter{\bibname}}}
5983     {\renewcommand\bibsection{\section*{\bibname}}}}
5984 \RequirePackage{multicol}
5985 \renewenvironment{theindex}{%
5986 \@ifundefined{chapter}%
5987   {\section*{\indexname}}%
5988   {\chapter{\indexname}}%
5989 \begin{fullwidth}%
5990 \small%
5991 \parskip0pt%
5992 \parindent0pt%
5993 \let\item\@idxitem%
5994 \begin{multicols}{3}%
5995 }{%
5996 \end{multicols}%
5997 \end{fullwidth}%
5998 }
5999 \AtBeginDocument{%
6000 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
6001 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
6002 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
6003 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
6004 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

26 File `bidituftehyperref.sty`

```

6005 \NeedsTeXFormat{LaTeX2e}
6006 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
6007 bidi implementation of tufte hyperref]
6008 %%
6009 % Color
6010 \RequirePackage{usenames,dvipsnames,svgnames}{xcolor}%
6011 \newboolean{@bidituftehyperref@loadhyper}
6012 \setboolean{@bidituftehyperref@loadhyper}{true}
6013 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
6014 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
6015 \ProcessOptions
6016 %% Loads the hyperref package and sets some default options.
6017 \newcommand{\bidituftehyperrefLoadHyperref}{%
6018 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
6019 \hypersetup{%
6020   bookmarksdepth = section,
6021   citecolor = DarkGreen,
6022   linkcolor = DarkBlue,
6023   % pagecolor = DarkBlue,
6024   urlcolor = DarkGreen,
6025 }%
6026 }
6027 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%

```



```

6028 \biditytuftehyperrefLoadHyperref%
6029 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
6030 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
6031 }

```

27 File `biditytufte.sty`

```

6032 \NeedsTeXFormat{LaTeX2e}
6033 \ProvidesPackage{biditytufte}[2011/06/18 v0.1
6034 bidi implementation of tufte title]
6035 \RequirePackage{biditools}
6036 %%
6037 % 'titlepage' option -- creates a full title page with \maketitle
6038 \newboolean{@biditytufte@titlepage}
6039 \DeclareOption{titlepage}{\setboolean{@biditytufte@titlepage}{true}}
6040 \DeclareOption{notitlepage}{\setboolean{@biditytufte@titlepage}{false}}
6041 % Default 'book' and 'handout' options
6042 \@ifclassloaded{book}{%
6043 \ExecuteOptions{titlepage}}{%
6044 \@ifclassloaded{article}{%
6045 \ExecuteOptions{notitlepage}}%
6046 {}}
6047 \ProcessOptions
6048 %%
6049 % Modified \title, \author, and \date commands. These store the
6050 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
6051 \newcommand{\plaintitle}{}% plain-text-only title
6052 \newcommand{\plainauthor}{}% plain-text-only author
6053 \newcommand{\plainpublisher}{}% plain-text-only publisher
6054 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
6055 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
6056 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
6057 \newcommand{\@publisher}{}% full publisher with \thanks{}
6058 \newcommand{\thedata}{\today}
6059 \bidi@patch@AfterPackage{bidi}{%
6060 \renewcommand{\thanks}[1]{\footnote{#1}}
6061 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
6062 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
6063 }
6064 \renewcommand{\title}[2][{}]{%
6065 \gdef{@title{#2}}%
6066 \begingroup%
6067 % TODO store contents of \thanks command
6068 \renewcommand{\thanks}[1]{}% swallow \thanks contents
6069 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6070 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6071 \protected@xdef\thanklesstitle{#2}%
6072 \endgroup%
6073 \ifthenelse{\isempty{#1}}%
6074 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
6075 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
6076 \@ifundefined{hypersetup}%
6077 {}% hyperref is not loaded; do nothing
6078 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title

```



```

6079 }
6080 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
6081 \renewcommand{\author}[2][]{%
6082   \ifthenelse{\isempty{#2}}{\}{\gdef\@author{#2}}%
6083   \begingroup%
6084     % TODO store contents of \thanks command
6085     \renewcommand{\thanks}[1]{}% swallow \thanks contents
6086     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6087     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6088     \protected@xdef\thanklessauthor{#2}%
6089   \endgroup%
6090   \ifthenelse{\isempty{#1}}%
6091     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
6092     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
6093   \@ifundefined{hypersetup}%
6094     {}% hyperref is not loaded; do nothing
6095     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
6096 }
6097 \renewcommand{\date}[1]{%
6098   \gdef\@date{#1}%
6099   \begingroup%
6100     % TODO store contents of \thanks command
6101     \renewcommand{\thanks}[1]{}% swallow \thanks contents
6102     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6103     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6104     \protected@xdef\thedata{#1}%
6105   \endgroup%
6106 }
6107 %%
6108 % Provides a \publisher command to set the publisher
6109 \newcommand{\publisher}[2][]{%
6110   \gdef\@publisher{#2}%
6111   \begingroup%
6112     \renewcommand{\thanks}[1]{}% swallow \thanks contents
6113     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6114     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6115     \protected@xdef\thanklesspublisher{#2}%
6116   \endgroup%
6117   \ifthenelse{\isempty{#1}}%
6118     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
6119     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
6120 }
6121 %%
6122 % Produces a full title page
6123 \newcommand{\maketitlepage}[0]{%
6124   \cleardoublepage%
6125   {%
6126     \bfseries%
6127     \begin{fullwidth}%
6128       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
6129       \vspace{11.5pc}%
6130       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
6131       \vfill%
6132       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%

```



```

6133 \end{fullwidth}%
6134 }
6135 \thispagestyle{empty}%
6136 \clearpage%
6137 }
6138 %%
6139 % Title block
6140 \bidi@AfterEndPreamble{%
6141 \renewcommand{\maketitle}{%
6142 \newpage%
6143 \global\@topnum\z@% prevent floats from being placed at the top of the page
6144 \begin{group}%
6145 \setlength{\parindent}{0pt}%
6146 \setlength{\parskip}{4pt}%
6147 \let\@title\@empty%
6148 \let\@author\@empty%
6149 \let\@date\@empty%
6150 \gdef\@title{\LARGE\itshape\@title\par}%
6151 \gdef\@author{\Large\itshape\@author\par}%
6152 \gdef\@date{\Large\itshape\@date\par}%
6153 \@title%
6154 \@author%
6155 \@date%
6156 \end{group}%
6157 \thispagestyle{plain}% suppress the running head
6158 }%
6159 }
6160 %%
6161 % Title page (if the 'titlepage' option was passed to the bidentuftetitle-handout
6162 % class.)
6163 \bidi@AfterEndPreamble{%
6164 \ifthenelse{\boolean{@bidentuftetitle@titlepage}}
6165 {\renewcommand{\maketitle}{\maketitlepage}}
6166 {}
6167 }
6168 %%
6169 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
6170 % without headers and footers
6171 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
6172 \hbox{}
6173 %\vspace*{\fill}
6174 %\begin{center}
6175 % This page intentionally contains only this sentence.
6176 %\end{center}
6177 %\vspace{\fill}
6178 \thispagestyle{empty}
6179 \newpage
6180 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

28 File bidentufte-handout.cls

```

6181 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
6182 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
6183 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}

```




```

6184 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytfloat}}
6185 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityttetoc}}
6186 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityttehyperref}}
6187 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityttetitle}}
6188 \ProcessOptions\relax
6189 \LoadClass{article}
6190 \RequirePackage{biditytfloat}
6191 \RequirePackage{bidityttesidenote}
6192 \RequirePackage{bidityttetoc}
6193 \RequirePackage{bidityttegeneralstructure}
6194 \RequirePackage{bidityttehyperref}
6195 \RequirePackage{bidityttetitle}
6196 \renewenvironment{abstract}
6197   {\begin{quotation}}
6198   {\end{quotation}}
6199 \AtBeginDocument{%
6200 \IfFileExists{biditytte-handout.cfg}
6201   {\input{biditytte-handout.cfg}
6202     \ClassInfo{biditytte-handout}{Loading biditytte-handout configuration file \@gobble}}
6203   {}%
6204 }

```

29 File biditytte-book.cls

```

6205 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
6206 \ProvidesClass{biditytte-book}[2011/06/18 v0.1 biditytte-book class]
6207 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
6208 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytfloat}}
6209 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityttetoc}}
6210 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityttehyperref}}
6211 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidityttetitle}}
6212 \ProcessOptions\relax
6213 \LoadClass{book}
6214 \RequirePackage{biditytfloat}
6215 \RequirePackage{bidityttesidenote}
6216 \RequirePackage{bidityttetoc}
6217 \RequirePackage{bidityttegeneralstructure}
6218 \RequirePackage{bidityttehyperref}
6219 \RequirePackage{bidityttetitle}
6220 %%
6221 % Set up any book-specific stuff now
6222 %%
6223 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
6224 % to the opening page of Chapter 1. The running heads, when they appear,
6225 % contain only the (arabic) page number in the outside corner.
6226 %\newif\if@mainmatter \@mainmattertrue
6227 \renewcommand\frontmatter{%
6228   \cleardoublepage%
6229   \@mainmatterfalse%
6230   \pagenumbering{arabic}%
6231   %\pagestyle{plain}%
6232   \fancyhf{}%
6233   \ifthenelse{\boolean{@biditytfloat@twoside}}%
6234     {\fancyhead[LE,RO]{\thepage}}%

```



```

6235     {\fancyhead[RE,RO]{\thepage}}%
6236 }
6237 %%
6238 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
6239 % numbering---it continues where it left off in the front matter.
6240 \renewcommand\mainmatter{%
6241   \cleardoublepage%
6242   \@mainmattertrue%
6243   \fancyhf{}%
6244   \ifthenelse{\boolean{@bidituftefloat@twoside}}%
6245     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
6246     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
6247     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
6248     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
6249 }
6250 %%
6251 % The back matter contains appendices, indices, glossaries, endnotes,
6252 % bibliographies, list of contributors, illustration credits, etc.
6253 \renewcommand\backmatter{%
6254   \if@openright%
6255     \cleardoublepage%
6256   \else%
6257     \clearpage%
6258   \fi%
6259   \@mainmatterfalse%
6260 }
6261 %%
6262 % Only show the chapter titles in the table of contents
6263 \setcounter{tocdepth}{0}
6264 \AtBeginDocument{%
6265   \IfFileExists{biditufte-book.cfg}
6266   {\input{biditufte-book.cfg}
6267    \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
6268   {}%
6269 }

```

30 File bidipoem.sty

```

6270 \NeedsTeXFormat{LaTeX2e}
6271 \ProvidesPackage{bidipoem}%
6272 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
6273
6274 % Usage:
6275 %
6276 % \Setversedim #1#2 % define the layout (within a group):
6277 % #1 = length of both half-verses
6278 % #2 = separation distance = length of a connection, if present
6279 % Variant:
6280 % \Setversedim #1[#2]#3 % for half-verses of unequal length
6281 % #1 = length of first (=right) half-verse
6282 % #2 = length of second (=left) half-verse
6283 % #3 = separation distance = length of a connection, if present
6284 %
6285 % \traditionalhalfverses #1#2 % typeset two separated half-verses

```



```

6286% #1 = text of first (=right) half-verse
6287% #2 = text of second (=left) half-verse
6288% Variant:
6289% \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
6290% #1 = text of first (=right) half-verse
6291% #2 = text of connection
6292% #3 = text of second (=left) half-verse
6293%
6294% Alternative (if preferred):
6295%
6296% \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
6297
6298
6299\newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
6300
6301% define the layout, verses will be centered
6302
6303\newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
6304\newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
6305
6306\newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
6307\bidipoem@hvind \textwidth
6308\bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
6309\ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
6310\bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
6311
6312\def \bidipoem@set@verseI [#1]{% optional parameter
6313\bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
6314
6315\newcommand*{\bidipoem@set@@verse}[1]{% separation
6316\advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
6317\advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
6318
6319\newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
6320\ifdim Opt > \bidipoem@hvind %
6321\bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
6322\else
6323\noindent \hspace \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
6324\bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
6325\bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
6326\par }
6327
6328% macro for two half verses
6329\newcommand*{\traditionalhalfverses}[2]{% optional parameter?
6330\ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}}}%
6331\else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
6332\bidipoem@half@verses@next}
6333
6334\def \bidipoem@half@verses #1[#2]#3{% first[mid]second
6335\traditionalconnverses {#1}{#2}{#3}}
6336
6337
6338{\catcode`\^^M=\active % these lines must end with %
6339 \gdef\traditionalpoem@obeylines{\catcode`\^^M\active \let^^M\traditionalpoem@par}%

```



```

6340 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
6341 {\catcode^^M=\active % these lines must end with %
6342 \gdef\modernpoem@obeylines{\catcode^^M=\active \let^^M\modernpoem@par}%
6343 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
6344 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
6345 \def\poemmarginskip{1em plus 1fil minus 1em}
6346 \def\poemextrabaselineskip{0\baselineskip}
6347 \def\poemskip{\medskip}
6348 \newcommand{\bidipoem@openbox}{\leavevmode
6349 \hbox to.77778em{%
6350 \hfil\vrule
6351 \vbox to.675em{\hrule width.6em\vfil\hrule}%
6352 \vrule\hfil}}
6353 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
6354 \newdimen\versewidth
6355 \newtoks\bidipoem@p@ftn
6356 \def\poem@verse#1{%
6357 \ifdim\wd#1>\new@poem@width
6358 \xdef\new@poem@width{\the\wd#1}%
6359 \ifdim\new@poem@width>\poem@width
6360 \xdef\poem@width{\new@poem@width}%
6361 \global\let\poem@needrun\relax
6362 \fi
6363 \fi
6364 \hbox to\poem@width{\unhbox#1}%
6365 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
6366 }
6367 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmarginskip\relax}
6368 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
6369 \def\poem@lineversesep{%
6370 \nobreak
6371 \hskip\z@ plus 1filll%
6372 \penalty600%
6373 \hskip\poemcolsepskip
6374 \hskip\z@ plus -2filll%
6375 \vadjust{}}%
6376 \nobreak
6377 \hskip\z@ plus 1filll%
6378 }
6379 \def\poem@lineparsebegin{%
6380 \halign\bgroup
6381 \global\setbox\verse@i=\hbox{%
6382 \let\@footnotetext\bidipoem@p@ftntext%
6383 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6384 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6385 \let\@xfootnotenext\bidipoem@p@xftntext%
6386 \let\@xfootnote\bidipoem@p@xfootnote%
6387 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6388 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6389 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6390 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6391 \ignorespaces##\unskip}&&
6392 \global\setbox\verse@ii=\hbox{%
6393 \let\@footnotetext\bidipoem@p@ftntext%

```



```

6394 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6395 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6396 \let\@xfootnotenext\bidipoem@p@xftntext%
6397 \let\@xfootnote\bidipoem@p@xfootnote%
6398 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6399 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6400 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6401 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6402 \ignorespaces##\unskip}
6403 \cr
6404 }
6405 \def\poem@lineparseend{%
6406 \crcr\egroup
6407 \vskip-\baselineskip
6408 }
6409 \def\traditionalpoem@cr{%
6410 \cr\poem@line
6411 }
6412 \newbox\verse@i
6413 \newbox\verse@ii
6414 \newif\ifpoem@started
6415
6416 \def\poem@line{%
6417 \poem@lineparseend
6418 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
6419 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
6420 \ifpoem@started
6421 \ifdim\wd\verse@ii>\z@\else
6422 \nopagebreak[3]
6423 \fi
6424 \leavevmode
6425 \poem@linebegin
6426 \poem@verse\verse@i
6427 \ifdim\wd\verse@ii>\z@
6428 \poem@lineversesep
6429 \poem@verse\verse@ii
6430 \fi
6431 \poem@lineend
6432 % \nopagebreak
6433 \par
6434 \vskip\poemextrabaselineskip
6435 \fi
6436 \poem@lineparsebegin
6437 }
6438 \def\@traditionalpoem{%
6439 \stepcounter{poem@no}
6440 \ifnum\max@poem@no<\number\c@poem@no%
6441 \xdef\poem@width{\z@}%
6442 \else
6443 \xdef\poem@width{\poem@prop{poem@width}}%
6444 \fi
6445 \xdef\new@poem@width{\z@}%
6446 \global\versewidth=\poem@width
6447 \poemskip\par

```



```

6448 \begingroup
6449 \tabskip=\z@
6450 \parskip=\z@
6451 \parindent=\z@
6452 \parfillskip=\z@
6453 \rightskip=\z@
6454 \leftskip=\z@
6455 \widowpenalty=10000% No break between verses of the same line.
6456 \clubpenalty=10000% Same as above. Not really needed.
6457 \def\newblock{\hfil\poemblocksep\hfil\null}%
6458 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
6459 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
6460 \global\poem@startedfalse
6461 \csname poem@obeylines\endcsname
6462 \let\poem@obeylines\relax
6463 \poem@lineparsebegin
6464 }
6465 \def\@endtraditionalpoem{%
6466 \cr
6467 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
6468 \noalign{%
6469 \skip0=\poemextrabaselineskip
6470 \vskip-\skip0
6471 \vskip-\baselineskip
6472 }%
6473 \fi\fi
6474 \poem@lineparseend
6475 \endgroup
6476 \par
6477 \vskip\baselineskip
6478 \poemskip
6479 \ifdim\new@poem@width<\poem@width
6480 \global\let\poem@needrun\relax
6481 \fi
6482 \poem@write@aux{\poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
6483 \ifx\AtEndDocument\undefined\poem@finish\fi
6484 \@endparenv
6485 }
6486
6487
6488 \long\def\bidipoem@p@ftntext#1{%
6489 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
6490 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
6491 \long\def\bidipoem@p@LTRftntext#1{%
6492 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
6493 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6494 \long\def\bidipoem@p@RTLftntext#1{%
6495 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
6496 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
6497
6498 \long\def\bidipoem@p@xftntext[#1]#2{%
6499 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
6500
6501 \long\def\bidipoem@p@xLTRftntext[#1]#2{%

```



```

6502 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}
6503
6504 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6505 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}
6506
6507 \def\bidipoem@p@xfootnote[#1]{%
6508 \begingroup
6509 \csname c@\@mpfn\endcsname #1\relax
6510 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6511 \endgroup
6512 \@footnotemark\bidipoem@p@xftntext[#1]}
6513
6514 \def\bidipoem@p@xLTRfootnote[#1]{%
6515 \begingroup
6516 \csname c@\@mpfn\endcsname #1\relax
6517 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6518 \endgroup
6519 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6520
6521 \def\bidipoem@p@xRTLfootnote[#1]{%
6522 \begingroup
6523 \csname c@\@mpfn\endcsname #1\relax
6524 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6525 \endgroup
6526 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6527
6528
6529
6530 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6531 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obey
6532 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6533 \def\poem@finish{%
6534 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6535 \ifx\poem@needrun\relax
6536 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
6537 \global\let\poem@needrun\undefined
6538 \fi
6539 }
6540 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6541 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6542 \ifx\max@poem@no\undefined
6543 \def\max@poem@no{0}%
6544 \fi
6545 \newcommand{\poem@prop}[1]{\@nameuse{#1\romannumeral\c@poem@no}}
6546 \newcommand{\poem@write@aux}[2]{%
6547 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6548 \@x
6549 }
6550 \def\@modernpoem{%
6551 \par
6552 \begingroup
6553 \parskip=\z@
6554 \parindent=\z@
6555 \def\[{ \@settab\@tabplus\ignorespaces}%

```



```

6556 \def\]{\@tabminus\ignorespaces}%
6557 \def\newblock{\poemblocksep}%
6558 \let\newpoem@tabcr\@tabcr
6559 \def\modernpoem@par{% Redefine \par for possible \obeylines
6560 \ifpoem@started\else
6561 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6562 \@stopfield
6563 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6564 \@contfield
6565 \fi
6566 \fi
6567 \ifpoem@started\newpoem@tabcr\fi}%
6568 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6569 \global\poem@startedfalse
6570 \csname poem@obeylines\endcsname
6571 \let\poem@obeylines\relax
6572 \begin{tabbing}%
6573 }
6574 \def\@endmodernpoem{%
6575 \global\poem@startedfalse
6576 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6577 \@stopfield
6578 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6579 \@contfield
6580 \fi
6581 \ifpoem@started\else\let\@stopline\@stopfield\fi
6582 \end{tabbing}%
6583 \endgroup
6584 \par
6585 \if@nparlist \else
6586 \ifdim\lastskip >\z@
6587 \@tempskipa\lastskip \vskip -\lastskip
6588 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6589 \vskip\@tempskipa
6590 \fi
6591 \@endparenv
6592 \fi
6593 }
6594 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6595 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
6596 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6597 \gdef\@startfield{%
6598 \global\setbox\@curfield\hbox\bgroup%
6599 \let\@footnotetext\bidipoem@p@ftntext%
6600 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6601 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6602 \let\@xfootnotenext\bidipoem@p@xftntext%
6603 \let\@xfootnote\bidipoem@p@xfootnote%
6604 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6605 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6606 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6607 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6608 \color@begingroup}
6609 \gdef\@stopfield{%

```




```

6610 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6611 \gdef\@contfield{%
6612 \global\setbox\@curfield\hbox\bgroup%
6613 \let\@footnotetext\bidipoem@p@ftntext%
6614 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6615 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6616 \let\@xfootnotenext\bidipoem@p@xftntext%
6617 \let\@xfootnote\bidipoem@p@xfootnote%
6618 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6619 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6620 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6621 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6622 \color@begingroup\unhbox\@curfield}

```

31 File boek3-xetex-bidi.def

```

6623 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6624 \renewenvironment{theindex}{%
6625 \if@twocolumn
6626 \@restonecolfalse
6627 \else
6628 \@restonecoltrue
6629 \fi
6630 \columnseprule \z@
6631 \columnsep 35\p@
6632 \twocolumn[\@makeschapterhead{\indexname}]%
6633 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6634 \thispagestyle{plain}\parindent\z@
6635 \parskip\z@ \@plus .3\p@\relax
6636 \let\item\@idxitem
6637 }{%
6638 \if@restonecol\onecolumn\else\clearpage\fi}
6639 \renewcommand*{\head@style}{%
6640 \interlinepenalty \@M
6641 \hyphenpenalty=\@M \exhyphenpenalty=\@M
6642 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6643 \renewcommand*{\regtocline}[3]{%
6644 \ifnum #1>\c@tocdepth
6645 \else
6646 \vskip\z@\@plus.2\p@
6647 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6648 \if@RTL\rightskip\else\leftskip\fi\unitindent
6649 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6650 \parfillskip\z@
6651 \@tempdima\unitindent
6652 \parindent\z@
6653 \leavevmode
6654 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6655 \hskip 1em \nobreak{\slshape #3}\par
6656 }%
6657 \fi}
6658 \if@oldtoc
6659 \renewcommand*\l@part[2]{%
6660 \ifnum \c@tocdepth >-2\relax

```



```

6661 \addpenalty{-\@highpenalty}%
6662 \addvspace{2.25em \@plus\p@}%
6663 \beginingroup
6664 \setlength\@tempdima{3em}%
6665 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6666 \parfillskip -\@pnumwidth
6667 {\leavevmode
6668 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6669 \nobreak
6670 \global\@nbreaktrue
6671 \everypar{\global\@nbreakfalse\everypar{}}%
6672 \endgroup
6673 \fi}
6674 \else
6675 \renewcommand*\l@part{%
6676 \ifnum \c@tocdepth >-2\relax
6677 \addpenalty{-\@highpenalty}%
6678 \addvspace{2.25em \@plus \p@}%
6679 \@regtocline{0}%
6680 \fi}
6681 \fi
6682 \if@oldtoc
6683 \renewcommand*\l@chapter[2]{%
6684 \addpenalty{-\@highpenalty}%
6685 \vskip 1.0em \@plus\p@
6686 \setlength\@tempdima{1.5em}%
6687 \beginingroup
6688 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6689 \parfillskip -\@pnumwidth
6690 \leavevmode \bfseries
6691 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6692 \hskip -\if@RTL\rightskip\else\leftskip\fi
6693 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6694 \penalty\@highpenalty
6695 \endgroup}
6696 \else
6697 \renewcommand*\l@chapter{\@regtocline{0}}
6698 \fi
6699 \renewenvironment{abstract}{%
6700 \titlepage
6701 \null\vfil
6702 \section*{\SectFont \abstractname}
6703 \noindent\ignorespaces}
6704 {\par\vfil\null\endtitlepage}
6705 \renewenvironment{thebibliography}[1]
6706 {\chapter*{\bibname}%
6707 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6708 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6709 \bidi@thebibliography@font@hook%
6710 \list{\@biblabel{\@arabic\c@enumiv}}%
6711 {\settowidth\labelwidth{\@biblabel{#1}}%
6712 \leftmargin\labelwidth
6713 \advance\leftmargin\labelsep
6714 \@openbib@code

```



```

6715         \usecounter{enumiv}%
6716         \let\p@enumiv\@empty
6717         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6718     \sloppy\clubpenalty4000\widowpenalty4000%
6719     \sfcode`\.\@m}
6720 {\def\@noitemerr
6721     {\@latex@warning{Empty `thebibliography' environment}}}%
6722     \endlist}
6723 \renewcommand*\left@footnoterule{%
6724     \kern-3\p@
6725     \kern.5\baselineskip
6726     \hrule\@width\unitindent
6727     \kern.4\baselineskip
6728 }
6729 \renewcommand*\right@footnoterule{%
6730     \kern-3\p@
6731     \kern.5\baselineskip
6732     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6733     \kern.4\baselineskip}
6734 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6735 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6736 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6737 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6738 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6739 \renewcommand*\theequation{%
6740     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6741 \renewcommand*\thefigure{%
6742     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6743 \renewcommand*\thetable{%
6744     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6745 \renewcommand*\maketitle{%
6746     \begin{titlepage}%
6747         \let\footnotesize\small
6748         \let\right@footnoterule\relax
6749         \let\left@footnoterule\relax
6750         \let\textwidth\footnoterule\relax
6751         \let \footnote \thanks
6752         \long\def\@makefnmark##1{\parindent\z@
6753             \def\labelitemi{\textendash}\@revlabeltrue
6754             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6755         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6756         \if@compatibility\setcounter{page}{0}\fi
6757         \null\vfil
6758         \vskip 60\p@
6759         \begin{center}%
6760             \TitleFont
6761             {\LARGE \def\{\{\penalty -\@M}
6762                 \if@allcaps
6763                     \expandafter\uc@nothanks\@title\thanks\relax
6764                 \else
6765                     \@title
6766                 \fi\par}%
6767             \vskip 3em%
6768             {\large

```



```

6769      \lineskip .75em \parindent\z@
6770      \begin{tabular}[t]{c}%
6771        \if@allcaps
6772          \expandafter\uc@authornothanks\@author\and\relax
6773        \else
6774          \@author
6775        \fi
6776      \end{tabular}\par}%
6777      \vskip 1.5em%
6778      {\large
6779        \if@allcaps
6780          \uppercase\expandafter{\@date}%
6781        \else
6782          \@date
6783        \fi\par}%
6784      \end{center}\par
6785      \@thanks
6786      \vfil\null
6787    \end{titlepage}%
6788    \setcounter{footnote}{0}%
6789    \global\let\thanks\relax
6790    \global\let\maketitle\relax
6791    \global\let\@thanks\@empty
6792    \global\let\@author\@empty
6793    \global\let\@title\@empty
6794    \global\let\@date\@empty
6795    \global\let\title\relax
6796    \global\let\author\relax
6797    \global\let\date\relax
6798    \global\let\and\relax
6799  }

```

32 File boek-xetex-bidi.def

```

6800 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
6801 \renewenvironment{theindex}{%
6802   \if@twocolumn
6803     \@restonecolfalse
6804   \else
6805     \@restonecoltrue
6806   \fi
6807   \columnseprule \z@
6808   \columnsep 35\p@
6809   \twocolumn[\@makeschapterhead{\indexname}]%
6810   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
6811   \thispagestyle{plain}\parindent\z@
6812   \parskip\z@ \@plus .3\p@\relax
6813   \let\item\@idxitem
6814 }{%
6815   \if@restonecol\onecolumn\else\clearpage\fi}
6816 \renewcommand*\head@style{%
6817   \interlinepenalty \@M
6818   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6819   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```



```

6820 \renewcommand*\@regtocline[3]{%
6821   \ifnum #1>\c@tocdepth
6822   \else
6823     \vskip\z@\@plus.2\p@
6824     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6825     \if@RTL\righskip\else\leftskip\fi\unitindent
6826     \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
6827     \parfillskip\z@
6828     \@tempdima\unitindent
6829     \parindent\z@
6830     \leavevmode
6831     \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
6832     \hskip 1em \nobreak{\slshape #3}\par
6833   }%
6834 \fi}
6835 \if@oldtoc
6836 \renewcommand*\l@part[2]{%
6837   \ifnum \c@tocdepth >-2\relax
6838     \addpenalty{-\@highpenalty}%
6839     \addvspace{2.25em \@plus\p@}%
6840     \begingroup
6841       \setlength\@tempdima{3em}%
6842       \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
6843       \parfillskip -\@pnumwidth
6844       {\leavevmode
6845         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6846         \nobreak
6847         \global\@nobreaktrue
6848         \everypar{\global\@nobreakfalse\everypar{}}%
6849       \endgroup
6850   \fi}
6851 \else
6852   \renewcommand*\l@part{%
6853     \ifnum \c@tocdepth >-2\relax
6854       \addpenalty{-\@highpenalty}%
6855       \addvspace{2.25em \@plus \p@}%
6856       \@regtocline{0}%
6857     \fi}
6858 \fi
6859 \if@oldtoc
6860 \renewcommand*\l@chapter[2]{%
6861   \addpenalty{-\@highpenalty}%
6862   \vskip 1.0em \@plus\p@
6863   \setlength\@tempdima{1.5em}%
6864   \begingroup
6865     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
6866     \parfillskip -\@pnumwidth
6867     \leavevmode \bfseries
6868     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
6869     \hskip -\if@RTL\righskip\else\leftskip\fi
6870     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6871     \penalty\@highpenalty
6872   \endgroup}
6873 \else

```



```

6874 \renewcommand*\l@chapter{\@regtocline{0}}
6875 \fi
6876 \renewcommand*\left@footnoterule{%
6877   \kern-3\p@
6878   \kern.5\baselineskip
6879   \hrule\@width\unitindent
6880   \kern.4\baselineskip
6881 }
6882 \renewcommand*\right@footnoterule{%
6883   \kern-3\p@
6884   \kern.5\baselineskip
6885   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6886   \kern.4\baselineskip}
6887 \renewenvironment{abstract}{%
6888   \titlepage
6889   \null\vfil
6890   \section*\SectFont \abstractname}
6891   \noindent\ignorespaces}
6892   {\par\vfil\null\endtitlepage}
6893 \renewenvironment{thebibliography}[1]
6894   {\chapter*\bibname}%
6895   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6896   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
6897   \bidi@thebibliography@font@hook%
6898   \list{\@biblabel{\@arabic\c@enumiv}}%
6899     {\settowidth\labelwidth{\@biblabel{#1}}%
6900     \leftmargin\labelwidth
6901     \advance\leftmargin\labelsep
6902     \@openbib@code
6903     \usecounter{enumiv}%
6904     \let\p@enumiv\@empty
6905     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6906   \sloppy\clubpenalty4000\widowpenalty4000%
6907   \sfcode`\.\@m}
6908   {\def\@noitemerr
6909     {\@latex@warning{Empty `thebibliography' environment}}}%
6910   \endlist}
6911 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6912 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6913 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6914 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6915 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6916 \renewcommand*\theequation{%
6917   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6918 \renewcommand*\thefigure{%
6919   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6920 \renewcommand*\thetable{%
6921   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6922 \renewcommand*\maketitle{%
6923   \begin{titlepage}%
6924     \let\footnotesize\small
6925     \let\right@footnoterule\relax
6926     \let\left@footnoterule\relax
6927     \let\textwidth\footnoterule\relax

```



```

6928 \let \footnote \thanks
6929 \long\def\@makefntext##1{\parindent\z@
6930 \def\labelitemi{\textendash}\@revlabeltrue
6931 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6932 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6933 \if@compatibility\setcounter{page}{0}\fi
6934 \null\vfil
6935 \vskip 60\p@
6936 \begin{center}%
6937 \TitleFont
6938 {\LARGE \def\\{\penalty -\@M}
6939 \if@allcaps
6940 \expandafter\uc@nothanks\@title\thanks\relax
6941 \else
6942 \@title
6943 \fi\par}%
6944 \vskip 3em%
6945 {\large
6946 \lineskip .75em \parindent\z@
6947 \begin{tabular}[t]{c}%
6948 \if@allcaps
6949 \expandafter\uc@authornothanks\@author\and\relax
6950 \else
6951 \@author
6952 \fi
6953 \end{tabular}\par}%
6954 \vskip 1.5em%
6955 {\large
6956 \if@allcaps
6957 \uppercase\expandafter{\@date}%
6958 \else
6959 \@date
6960 \fi\par}%
6961 \end{center}\par
6962 \@thanks
6963 \vfil\null
6964 \end{titlepage}%
6965 \setcounter{footnote}{0}%
6966 \global\let\thanks\relax
6967 \global\let\maketitle\relax
6968 \global\let\@thanks\@empty
6969 \global\let\@author\@empty
6970 \global\let\@title\@empty
6971 \global\let\@date\@empty
6972 \global\let\title\relax
6973 \global\let\author\relax
6974 \global\let\date\relax
6975 \global\let\and\relax
6976 }

```

33 File bookest-xetex-bidi.def

```

6977 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
6978 \def\@makechapterhead#1{%

```



```

6979 \vspace*{20\p@}
6980 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6981 \ifnum \c@secnumdepth >\m@ne
6982 \if@mainmatter
6983 {\colorA\huge\scshape \@chapapp\space \thechapter}
6984 \par\nobreak
6985 \vskip 10\p@
6986 \fi
6987 \fi
6988 \interlinepenalty\@M
6989 {\colorB\hrule}
6990 \vskip 15\p@
6991 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6992 {\colorA\Huge \bfseries #1}\par\nobreak
6993 \if@RTL\end{flushleft}\else\end{flushright}\fi
6994 \vskip 5\p@
6995 {\colorB\hrule}
6996 \vskip 30\p@
6997 }}
6998 \def\@makeschapterhead#1{%
6999 \vspace*{20\p@}
7000 {\parindent \z@ \raggedright \normalfont
7001 {\colorB\hrule}
7002 \vskip 15\p@
7003 \begin{center}
7004 {\colorA\Huge \bfseries #1}\par\nobreak
7005 \end{center}
7006 \vskip 5\p@
7007 {\colorB\hrule}
7008 \vskip 30\p@
7009 }}

```

34 File book-xetex-bidi.def

```

7010 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class]
7011 \renewenvironment{theindex}
7012     {\if@twocolumn
7013       \@restonecolfalse
7014       \else
7015       \@restonecoltrue
7016       \fi
7017       \columnseprule \z@
7018       \columnsep 35\p@
7019       \twocolumn[\@makeschapterhead{\indexname}]%
7020       \@mkboth{\MakeUppercase\indexname}%
7021               {\MakeUppercase\indexname}%
7022       \thispagestyle{plain}\parindent\z@
7023       \parskip\z@ \@plus .3\p@\relax
7024       \let\item\@idxitem}
7025     {\if@restonecol\onecolumn\else\clearpage\fi}
7026 \ifclassloaded{bookest}{\}%
7027 \if@titlepage
7028 \renewcommand\maketitle{\begin{titlepage}%
7029 \let\footnotesize\small

```




```

7030 \let\right@footnoterule\relax
7031 \let\left@footnoterule\relax
7032 \let\textwidth@footnoterule\relax
7033 \let \footnote \thanks
7034 \let \LTRfootnote \LTRthanks
7035 \let \RTLfootnote \RTLthanks
7036 \null\vfil
7037 \vskip 60\p@
7038 \begin{center}%
7039   {\LARGE \@title \par}%
7040   \vskip 3em%
7041   {\large
7042     \lineskip .75em%
7043     \begin{tabular}[t]{c}%
7044       \@author
7045     \end{tabular}\par}%
7046     \vskip 1.5em%
7047     {\large \@date \par}%           % Set date in \large size.
7048 \end{center}\par
7049 \@thanks
7050 \vfil\null
7051 \end{titlepage}%
7052 \setcounter{footnote}{0}%
7053 \global\let\thanks\relax
7054 \global\let\LTRthanks\relax
7055 \global\let\RTLthanks\relax
7056 \global\let\maketitle\relax
7057 \global\let\@thanks\@empty
7058 \global\let\@author\@empty
7059 \global\let\@date\@empty
7060 \global\let\@title\@empty
7061 \global\let\title\relax
7062 \global\let\author\relax
7063 \global\let\date\relax
7064 \global\let\and\relax
7065 }
7066 \else
7067 \renewcommand\maketitle{\par
7068   \begingroup
7069     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7070     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7071     \long\def\@makefntext##1{\parindent 1em\noindent
7072       \hb@xt@1.8em{%
7073         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7074     \if@twocolumn
7075       \ifnum \col@number=\@ne
7076         \@maketitle
7077       \else
7078         \twocolumn[\@maketitle]%
7079       \fi
7080     \else
7081       \newpage
7082       \global\@topnum\z@   % Prevents figures from going at top of page.
7083       \@maketitle

```



```

7084 \fi
7085 \thispagestyle{plain}\@thanks
7086 \endgroup
7087 \setcounter{footnote}{0}%
7088 \global\let\thanks\relax
7089 \global\let\LTRthanks\relax
7090 \global\let\RTLthanks\relax
7091 \global\let\maketitle\relax
7092 \global\let\@maketitle\relax
7093 \global\let\@thanks\@empty
7094 \global\let\@author\@empty
7095 \global\let\@date\@empty
7096 \global\let\@title\@empty
7097 \global\let\title\relax
7098 \global\let\author\relax
7099 \global\let\date\relax
7100 \global\let\and\relax
7101 }
7102 \def\@maketitle{%
7103 \newpage
7104 \null
7105 \vskip 2em%
7106 \begin{center}%
7107 \let \footnote \thanks
7108 \let \LTRfootnote \LTRthanks
7109 \let \RTLfootnote \RTLthanks
7110 {\LARGE \@title \par}%
7111 \vskip 1.5em%
7112 {\large
7113 \lineskip .5em%
7114 \begin{tabular}[t]{c}%
7115 \@author
7116 \end{tabular}\par}%
7117 \vskip 1em%
7118 {\large \@date}%
7119 \end{center}%
7120 \par
7121 \vskip 1.5em}
7122 \fi}
7123 \renewcommand*\l@part[2]{%
7124 \ifnum \c@tocdepth >-2\relax
7125 \addpenalty{-\@highpenalty}%
7126 \addvspace{2.25em \@plus\p}%
7127 \setlength\@tempdima{3em}%
7128 \begingroup
7129 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7130 \parfillskip -\@pnumwidth
7131 {\leavevmode
7132 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7133 \nobreak
7134 \global\@nobreaktrue
7135 \everypar{\global\@nobreakfalse\everypar{}}%
7136 \endgroup
7137 \fi}

```



```

7138 \renewcommand*\l@chapter[2]{%
7139   \ifnum \c@tocdepth >\m@ne
7140     \addpenalty{-\@highpenalty}%
7141     \vskip 1.0em \@plus\p@
7142     \setlength\@tempdima{1.5em}%
7143     \begingroup
7144       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7145       \parfillskip -\@pnumwidth
7146       \leavevmode \bfseries
7147       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
7148       \hskip -\if@RTL\rightskip\else\leftskip\fi
7149       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7150       \penalty\@highpenalty
7151     \endgroup
7152   \fi}
7153 \renewcommand\left@footnoterule{%
7154   \kern-3\p@
7155   \hrule\@width.4\columnwidth
7156   \kern2.6\p@}
7157 \renewcommand\right@footnoterule{%
7158   \kern-3\p@
7159   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7160   \kern2.6\p@}
7161 \renewcommand\theequation
7162   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7163 \renewcommand \thefigure
7164   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7165 \renewcommand \thetable
7166   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7167 \renewcommand \thechapter {\@arabic\c@chapter}
7168 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7169 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7170 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7171 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7172 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
7173 \def\@makechapterhead#1{%
7174   \vspace*{50\p@}%
7175   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7176     \ifnum \c@secnumdepth >\m@ne
7177       \if@mainmatter
7178         \huge\bfseries \@chapapp\space \thechapter
7179         \par\nobreak
7180         \vskip 20\p@
7181       \fi
7182       \fi
7183       \interlinepenalty\@M
7184       \Huge \bfseries #1\par\nobreak
7185       \vskip 40\p@
7186     }}
7187 \def\@makeschapterhead#1{%
7188   \vspace*{50\p@}%
7189   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7190     \normalfont
7191     \interlinepenalty\@M

```



```

7192 \Huge \bfseries #1\par\nobreak
7193 \vskip 40\p@
7194 }}
7195 \renewcommand\backmatter{%
7196 \if@openright
7197 \cleardoublepage
7198 \else
7199 \clearpage
7200 \fi
7201 \@mainmatterfalse}
7202 \renewenvironment{thebibliography}[1]
7203 {\chapter*{\bibname}%
7204 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
7205 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7206 \bidi@thebibliography@font@hook%
7207 \list{\@biblabel{\@arabic\c@enumiv}}%
7208 {\settowidth\labelwidth{\@biblabel{#1}}%
7209 \leftmargin\labelwidth
7210 \advance\leftmargin\labelsep
7211 \@openbib@code
7212 \usecounter{enumiv}%
7213 \let\p@enumiv\@empty
7214 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7215 \sloppy
7216 \clubpenalty4000
7217 \@clubpenalty \clubpenalty
7218 \widowpenalty4000%
7219 \sfcode\.\@m}
7220 {\def\@noitemerr
7221 {\@latex@warning{Empty `thebibliography' environment}}}%
7222 \endlist}

```

35 File breqn-xetex-bidi.def

```

7223 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for X
7224 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
7225 \everydisplay\expandafter{\the\everydisplay \display@setup}%
7226 \if@noskipsec \leavevmode \fi
7227 \if@inlabel \leavevmode \global\@inlabelfalse \fi
7228 \if\eq@group\else\eq@prelim\fi
7229 \setkeys{breqn}{#1}%
7230 \the\eqstyle
7231 \eq@setnumber
7232 \begingroup
7233 \eq@setup@a
7234 \eq@startup
7235 }
7236 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
7237 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
7238 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
7239 \global\let\GRP@label\@empty
7240 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
7241 \global\grp@linewidth\z@\global\grp@wdNum\z@
7242 \global\let\grp@eqs@numbered\@False

```



```

7243 \global\let\grp@aligned\@True
7244 \global\let\grp@shiftnumber\@False
7245 \eq@prelim
7246 \setkeys{breqn}{#1}%
7247 \if\grp@hasNumber \grp@setnumber \fi
7248 }
7249 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
7250 \let\display@setup\dseries@display@setup
7251 % Question: should this be the default for dseries???
7252 \global\eq@wdCond\z@
7253 \@dmath[layout={M},#1]%
7254 \mathsurround\z@\@math \penalty\@Mi
7255 \let\endmath\ends@math
7256 \def\premath{%
7257 \ifdim\lastskip<.3em \unskip
7258 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
7259 }%
7260 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
7261 \ignorespaces
7262 }
7263 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
7264 \renewenvironment{dsuspend}{%
7265 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
7266 \parshape 1 \displayindent \displaywidth\relax
7267 \hsize=\columnwidth \noindent\ignorespaces
7268 }{%
7269 \par\egroup
7270 \global\setbox\GRP@box\vbox{%
7271 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
7272 \unvbox\GRP@box
7273 }%
7274 \global\GRP@queue\@xp{\the\GRP@queue
7275 \@elt{\let\eq@isIntertext\@True}%
7276 }%
7277 }

```

36 File cals-xetex-bidi.def

```

7278 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeT
7279 \renewcommand\cals@setup@alignment[1]{%
7280 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
7281 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
7282 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
7283 }
7284 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
7285 \renewenvironment{calstable}[1][\cals@table@alignment]{%
7286 \if@RTLtab\cals@activate@rtl\fi
7287 \let\cals@thead@tokens=\relax
7288 \let\cals@tfoot@tokens=\relax
7289 \let\cals@tbody@tokens=\relax
7290 \cals@tfoot@height=0pt \relax
7291 \let\cals@last@context=n%
7292 \let\cals@current@context=b%
7293 \parindent=0pt \relax%

```



```

7294 \cals@setup@alignment{#1}%
7295 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsiz%
7296 %% Alignment inside is independent on center/flushright outside
7297 \parfillskip=Opt plus1fil\relax
7298 \let\cals@borderL=\relax
7299 \let\cals@borderR=\relax
7300 \let\cals@borderT=\relax
7301 \let\cals@borderB=\relax
7302 \setbox\cals@backup@row=\box\voidb@x\relax
7303 \cals@AtBeginTable
7304 }{% End of the table
7305 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
7306 \renewcommand\alignL{%
7307 \if@RTLtab
7308   \cals@vfillAdd\cals@paddingL
7309 \else
7310   \cals@vfillDrop\cals@paddingL
7311 \fi
7312 \cals@vfillDrop\cals@paddingR}
7313 \renewcommand\alignR{%
7314 \if@RTLtab
7315   \cals@vfillDrop\cals@paddingL
7316 \else
7317   \cals@vfillAdd\cals@paddingL
7318 \fi
7319 \cals@vfillDrop\cals@paddingR}

```

37 File caption-xetex-bidi.def

```

7320 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package]
7321 \let\@makecaption\caption@makecaption

```

38 File caption3-xetex-bidi.def

```

7322 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package]
7323 \renewcommand*\caption@par{%
7324   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

39 File colortbl-xetex-bidi.def

```

7325 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package]
7326 \def\CT@setup{%
7327   \@tempdimb\col@sep
7328   \@tempdimc\col@sep
7329   \def\CT@color{%
7330     \global\let\CT@do@color\CT@@do@color
7331     \bidicolor}}
7332 \def\@classz{\@classx
7333   \@tempcnta \count@
7334   \prepnext@tok
7335 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
7336   \@addtopreamble{\if@RTLtab\beginL\fi%
7337     \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
7338     \ifcase \@chnum

```



```

7339 \hskip\stretch{.5}\kern\z@
7340 \dollarbegin
7341 \insert@column
7342 \dollarend\hskip\stretch{.5}\or
7343 \dollarbegin \insert@column \dollarend \hfill \or
7344 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
7345 $\vcenter
7346 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
7347 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
7348 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
7349 \fi
7350 \ifRTLtab\endR\fi\egroup\egroup
7351 \beginngroup
7352 \CT@setup
7353 \CT@column@color
7354 \CT@row@color
7355 \CT@cell@color
7356 \CT@do@color
7357 \endgroup
7358 \@tempdima\ht\z@
7359 \advance\@tempdima\minrowclearance
7360 \vrule\@height\@tempdima\@width\z@
7361 \unhbox\z@\ifRTLtab\endL\fi}%
7362 \prepnext@tok}

```

40 File color-xetex-bidi.def

```

7363 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
7364 \long\def\color@b@x#1#2#3{%
7365 \leavevmode\ifhmode\else\ifRTL\beginL\fi\fi
7366 \setbox\z@\hbox{\kern\fbboxsep\set@color\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fbboxsep}%
7367 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
7368 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
7369 \ifx\color@b@x\color@b@x\wd\z@\ht\z@\dp\z@}%
7370 \box\z@}\ifhmode\else\ifRTL\endL\fi\fi}
7371 \def\normalcolor{\let\current@color\default@color\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi
7372 \DeclareRobustCommand\color{%
7373 \ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]}
7374 \def\@declaredcolor#1{%
7375 \ifundefined{string\color @#1}%
7376 {\c@lor@error{`#1'}}%
7377 {\expandafter\let\expandafter\current@color
7378 \csname\string\color @#1\endcsname
7379 \set@color}%
7380 \ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7381 \def\@undeclaredcolor[#1]#2{%
7382 \ifundefined{color@#1}%
7383 {\c@lor@error{model `#1'}}%
7384 {\csname color@#1\endcsname\current@color{#2}%
7385 \set@color}%
7386 \ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7387 \DeclareRobustCommand\bicolor{%
7388 \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]}
7389 \def\@bidiundeclaredcolor[#1]#2{%

```



```

7390 \@ifundefined{color@#1}%
7391   {\c@lor@error{model `#1'}}%
7392   {\csname color@#1\endcsname\current@color{#2}%
7393     \set@color}%
7394   \ignorespaces}
7395 \def\@bidideclaredcolor#1{%
7396   \@ifundefined{\string\color @#1}%
7397     {\c@lor@error{`#1'}}%
7398     {\expandafter\let\expandafter\current@color
7399       \csname\string\color @#1\endcsname
7400       \set@color}%
7401   \ignorespaces}
7402 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
7403 \def\color@fbox#1#2#3{%
7404   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
7405 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmod

```

41 File combine-xetex-bidi.def

```

7406 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
7407 \renewcommand{\c@ll@chapsecii}[2]{%
7408   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7409   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
7410   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7411 }
7412 \renewcommand{\c@ll@chapseci}{%
7413   \setlength\@tempdima{0em}%
7414   \begingroup
7415     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7416     \parfillskip -\@pnumwidth
7417     \leavevmode
7418 }
7419 \renewenvironment{tocindent}[1]{%
7420   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

42 File crop-xetex-bidi.def

```

7421 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeT
7422 \renewcommand*\CROP@ulc{%
7423   \if@RTLmain%
7424     \begin{picture}(0,0)
7425       \unitlength\p@\thinline
7426       \put(-40,0){\circle{10}}
7427       \put(-30,-5){\line(0,1){10}}
7428       \put(-35,0){\line(1,0){30}}
7429       \put(-10,30){\circle{10}}
7430       \put(-5,30){\line(1,0){10}}
7431       \put(0,35){\line(0,-1){30}}
7432     \end{picture}%
7433   \else%
7434     \begin{picture}(0,0)
7435       \unitlength\p@\thinline
7436       \put(-30,0){\circle{10}}
7437       \put(-30,-5){\line(0,1){10}}

```




```

7438      \put(-35,0){\line(1,0){30}}
7439      \put(0,30){\circle{10}}
7440      \put(-5,30){\line(1,0){10}}
7441      \put(0,35){\line(0,-1){30}}
7442      \end{picture}%
7443      \fi%
7444  }
7445  \renewcommand*\CROP@urc{%
7446    \if@RTLmain%
7447      \begin{picture}(0,0)
7448        \unitlength\p@\thinline
7449        \put(20,0){\circle{10}}
7450        \put(30,-5){\line(0,1){10}}
7451        \put(35,0){\line(-1,0){30}}
7452        \put(-10,30){\circle{10}}
7453        \put(-5,30){\line(1,0){10}}
7454        \put(0,35){\line(0,-1){30}}
7455      \end{picture}%
7456    \else%
7457      \begin{picture}(0,0)
7458        \unitlength\p@\thinline
7459        \put(30,0){\circle{10}}
7460        \put(30,-5){\line(0,1){10}}
7461        \put(35,0){\line(-1,0){30}}
7462        \put(0,30){\circle{10}}
7463        \put(-5,30){\line(1,0){10}}
7464        \put(0,35){\line(0,-1){30}}
7465      \end{picture}%
7466    \fi%
7467  }
7468  \renewcommand*\CROP@llc{%
7469    \if@RTLmain%
7470      \begin{picture}(0,0)
7471        \unitlength\p@\thinline
7472        \put(-40,0){\circle{10}}
7473        \put(-30,-5){\line(0,1){10}}
7474        \put(-35,0){\line(1,0){30}}
7475        \put(-10,-30){\circle{10}}
7476        \put(-5,-30){\line(1,0){10}}
7477        \put(0,-35){\line(0,1){30}}
7478      \end{picture}%
7479    \else%
7480      \begin{picture}(0,0)
7481        \unitlength\p@\thinline
7482        \put(-30,0){\circle{10}}
7483        \put(-30,-5){\line(0,1){10}}
7484        \put(-35,0){\line(1,0){30}}
7485        \put(0,-30){\circle{10}}
7486        \put(-5,-30){\line(1,0){10}}
7487        \put(0,-35){\line(0,1){30}}
7488      \end{picture}%
7489    \fi%
7490  }
7491  \renewcommand*\CROP@lrc{%

```



```

7492 \if@RTLmain%
7493 \begin{picture}(0,0)
7494 \unitlength\p@\thinline
7495 \put(20,0){\circle{10}}
7496 \put(30,-5){\line(0,1){10}}
7497 \put(35,0){\line(-1,0){30}}
7498 \put(-10,-30){\circle{10}}
7499 \put(-5,-30){\line(1,0){10}}
7500 \put(0,-35){\line(0,1){30}}
7501 \end{picture}%
7502 \else%
7503 \begin{picture}(0,0)
7504 \unitlength\p@\thinline
7505 \put(30,0){\circle{10}}
7506 \put(30,-5){\line(0,1){10}}
7507 \put(35,0){\line(-1,0){30}}
7508 \put(0,-30){\circle{10}}
7509 \put(-5,-30){\line(1,0){10}}
7510 \put(0,-35){\line(0,1){30}}
7511 \end{picture}%
7512 \fi%
7513 }
7514 \@ifpackagewith{crop}{cam}{%
7515 \CROP@execopt{cam}%
7516 }{}

```

43 File cutwin-xetex-bidi.def

```

7517 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for
7518 \renewcommand*{\c@twcompctr}[2]{%
7519 \def\c@twfirst{1}
7520 \loop\advance\c@twwinlines\m@ne
7521 \setbox\c@twslicea=\vsplit#1 to\baselineskip
7522 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
7523 \c@twprune{\c@twslicea}{\c@twlftside}%
7524 \c@twprune{\c@twsliceb}{\c@twrtside}%
7525 \ifnum\c@twfirst=\@ne
7526 \setbox#2=\vbox{\unvbox#2\hbox
7527 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
7528 \else
7529 \setbox#2=\vbox{\unvbox#2\hbox
7530 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\
7531 \fi
7532 \def\c@twfirst{2}
7533 \ifnum\c@twwinlines>\z@\repeat}
7534 \renewcommand*{\c@twcompodctr}[2]{%
7535 \def\c@twrounds{1}
7536 \def\c@twfirst{1}
7537 \@for\c@twlspec:=\c@twb\do{%
7538 \ifnum\c@twrounds=1
7539 \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7540 \c@twprune{\c@twslicea}{\c@twlspec}%
7541 \def\c@twrounds{2}
7542 \else

```



```

7543 \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
7544 \c@twprune{\c@twsliceb}{\c@twlspec}%
7545 \ifnum\c@twfirst=1
7546 \setbox#2=\vbox{\unvbox#2\hbox
7547 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\
7548 \def\c@twfirst{2}
7549 \else
7550 \setbox#2=\vbox{\unvbox#2\hbox
7551 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\el
7552 \fi
7553 \def\c@twrounds{1}
7554 \fi}}

```

44 File cuted-xetex-bidi.def

```

7555 \ProvidesFile{cuted-xetex-bidi.def}[2022/02/18 v0.7 bidi adaptations for cuted package for X
7556
7557 \def\RTL@outputdblcol{%
7558 \if@firstcolumn
7559 \global\@firstcolumnfalse
7560 \global\setbox\@leftcolumn\copy\@outputbox
7561 \splitmaxdepth\maxdimen
7562 \vbadness\maxdimen
7563 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7564 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7565 \toks@\expandafter{\topmark}%
7566 \xdef\@firstcoltopmark{\the\toks@}%
7567 \toks@\expandafter{\splitfirstmark}%
7568 \xdef\@firstcolfirstmark{\the\toks@}%
7569 \ifx\@firstcolfirstmark\@empty
7570 \global\let\@setmarks\relax
7571 \else
7572 \gdef\@setmarks{%
7573 \let\firstmark\@firstcolfirstmark
7574 \let\topmark\@firstcoltopmark}%
7575 \fi
7576 \else
7577 \global\@firstcolumntrue
7578 \setbox\@outputbox\vbox{%
7579 \hb@xt@\textwidth{%
7580 \hskip \columnwidth
7581 \hfil
7582 {\normalcolor\vrule \@width\columnseprule}%
7583 \hfil
7584 \hb@xt@\columnwidth{%
7585 \bidi@firstcolumn@status@write%
7586 \box\@leftcolumn \hss}%
7587 \hskip -\textwidth
7588 \hb@xt@\columnwidth{%
7589 \bidi@lastcolumn@status@write%
7590 \box\@outputbox \hss}%
7591 \hskip \columnsep
7592 \hskip \columnwidth }}%
7593 \ifvoid\hold@viper

```



```

7594 \else
7595 \setbox\@outputbox \vbox to\textheight{%
7596 \box\hold@viper
7597 \box\@outputbox
7598 \vss
7599 }%
7600 \fi
7601 \@combinedblfloats
7602 \@setmarks
7603 \@outputpage
7604 \begingroup
7605 \@dblfloatplacement
7606 \@startdblcolumn
7607 \@whilesw\if@fcolmade \fi{\@outputpage
7608 \@startdblcolumn}%
7609 \ifvoid\@viper
7610 \else
7611 \global\setbox\@viper\vbox{%
7612 \vskip-\stripsep
7613 \unvbox\@viper
7614 }%
7615 \@viperoutput
7616 \fi
7617 \endgroup
7618 \fi}%
7619
7620 \def\LTR@outputdblcol{%
7621 \if@firstcolumn
7622 \global\@firstcolumnfalse
7623 \global\setbox\@leftcolumn\copy\@outputbox
7624 \splitmaxdepth\maxdimen
7625 \vbadness\maxdimen
7626 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7627 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7628 \toks@\expandafter{\topmark}%
7629 \xdef\@firstcoltopmark{\the\toks@}%
7630 \toks@\expandafter{\splitfirstmark}%
7631 \xdef\@firstcolfirstmark{\the\toks@}%
7632 \ifx\@firstcolfirstmark\@empty
7633 \global\let\@setmarks\relax
7634 \else
7635 \gdef\@setmarks{%
7636 \let\firstmark\@firstcolfirstmark
7637 \let\topmark\@firstcoltopmark}%
7638 \fi
7639 \else
7640 \global\@firstcolumntrue
7641 \setbox\@outputbox\vbox{%
7642 \hb@xt@\textwidth{%
7643 \hb@xt@\columnwidth{%
7644 \bidi@firstcolumn@status@write%
7645 \box\@leftcolumn \hss}%
7646 \hfil
7647 {\normalcolor\vrule \@width\columnseprule}%

```



```

7648     \hfil
7649     \hb@xt@\columnwidth{%
7650     \bidi@lastcolumn@status@write%
7651     \box\@outputbox \hss}}}%
7652 \ifvoid\hold@viper
7653 \else
7654     \setbox\@outputbox \vbox to\textheight{%
7655     \box\hold@viper
7656     \box\@outputbox
7657     \vss
7658     }%
7659 \fi
7660 \@combinedblfloats
7661 \@setmarks
7662 \@outputpage
7663 \begingroup
7664     \@dblfloatplacement
7665     \@startdblcolumn
7666     \@whiles\if@fcolmade \fi{\@outputpage
7667     \@startdblcolumn}%
7668     \ifvoid\@viper
7669     \else
7670         \global\setbox\@viper\vbox{%
7671         \vskip-\stripsep
7672         \unvbox\@viper
7673         }%
7674     \@viperoutput
7675 \fi
7676 \endgroup
7677 \fi}%
7678
7679 \def\@addviper{%
7680     \@insertfalse
7681     \def\var@@thecol@num{2}%
7682     \if@firstcolumn
7683         \def\var@@thecol@num{1}%
7684         \@reqcolroom=.5\@pageht
7685         \ht@viper=\@reqcolroom
7686         \advance\@reqcolroom by\ht\@viper
7687         \advance\@reqcolroom by\stripsep
7688     \else
7689         \@reqcolroom=\@colht
7690         \advance\@reqcolroom by\@pageht
7691         \ht@viper.5\@reqcolroom
7692         \@reqcolroom=\ht@viper
7693         \advance\@reqcolroom by\ht\@viper
7694         \advance\@reqcolroom by\stripsep
7695         \global\setbox\@holdpg\vbox{%
7696         \setbox\cuted@tempbox@a\vbox{%
7697         \aftergroup\unvbox
7698         \unvcopy\@leftcolumn
7699         \unskip\unkern\unpenalty
7700         \setbox\@tempboxa\lastbox
7701         \ifdim\dimexpr\ht\@tempboxa+\wd\@tempboxa+\dp\@tempboxa>\z@

```



```

7702             %% keeps lastbox
7703             \aftergroup\@leftcolumn
7704         \else
7705             %% removes lastbox
7706             \aftergroup\cuted@@tempbox@a
7707         \fi
7708     }%
7709     \unskip\unkern\unpenalty
7710     \on@stripcols@break
7711     \the\At@ViperColsBreak
7712     \unvbox\@holdpg
7713 }%
7714 \global\At@ViperColsBreak{}%
7715 \ht@viper=.5\ht\@holdpg
7716 \ifdim\ht@viper>\@colht
7717     \ht@viper=\@colht
7718 \fi
7719 \fi
7720 %%
7721 %% calculations for breaking
7722 %%
7723 \ifvoid\hold@viper
7724     \ht@hold@viper=\z@
7725 \else
7726     \ht@hold@viper=\ht\hold@viper
7727 \fi
7728 \cuted@@tempdim@b\ht@viper
7729 \set@split@topskip@to\topskip
7730 \loop
7731     \xdef\saved@tempdimb{\the\cuted@@tempdim@b}%
7732     \setbox\cuted@@varbox@a\copy\@holdpg
7733     \setbox\cuted@@tempbox@a\vsplit\cuted@@varbox@a to\cuted@@tempdim@b
7734     %% set leftcolumn boxes
7735     \setbox\cuted@@tempbox@c\vbox{\unvbox\cuted@@tempbox@a}%
7736     \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@tempbox@c}%
7737     \xdef\var@@leftcolumn@badness{\the\badness}%
7738     %% set rightcolumn boxes
7739     \setbox\cuted@@varbox@c\vbox{\unvbox\cuted@@varbox@a}%
7740     \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{\unvcopy\cuted@@varbox@c}%
7741     \xdef\var@@rightcolumn@badness{\the\badness}%
7742     %% analyzing split goodness
7743     \cuted@@tempdim@spread=\ht\cuted@@tempbox@c
7744     \advance\cuted@@tempdim@spread by\dp\cuted@@tempbox@c
7745     \advance\cuted@@tempdim@spread by-\ht\cuted@@varbox@c
7746     \advance\cuted@@tempdim@spread by-\dp\cuted@@varbox@c
7747     \cuted@@wlog@debug{CUTED [----]}%
7748     ^^JLeft: \the\ht\cuted@@tempbox@c
7749     +\the\dp\cuted@@tempbox@c\space/\var@@leftcolumn@badness
7750     ^^JRight: \the\ht\cuted@@varbox@c
7751     +\the\dp\cuted@@varbox@c\space/\var@@rightcolumn@badness
7752     ^^JSplit: \the\cuted@@tempdim@b
7753     ^^JExtra height: \the\cuted@@tempdim@spread
7754 }%
7755 \ifnum\var@@leftcolumn@badness<\cuted@@column@badness

```



```

7756         \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
7757             \cuted@@tempdim@spread=\z@
7758         \fi
7759     \fi
7760 \ifdim\cuted@@tempdim@spread<\z@
7761     \if@left@column@spread
7762         \if@right@column@shrink
7763             \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
7764                 \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
7765             \else
7766                 \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\relax
7767             \fi
7768             \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}
7769             \ifnum\badness<\cuted@@column@badness
7770                 \cuted@@tempdim@b=\cuted@@tempdim@a
7771                 \cuted@@tempdim@spread=\z@
7772             \fi
7773             \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on \the\hbox}
7774             \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c}
7775             \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on \the\hbox}
7776         \else
7777             \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{\unvcopy\cuted@@tempbox@c}
7778             \ifnum\badness<\cuted@@column@badness
7779                 \cuted@@tempdim@b=\ht\cuted@@varbox@c
7780                 \cuted@@tempdim@spread=\z@
7781             \fi
7782             \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\hbox}
7783             \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{\unvcopy\cuted@@varbox@c}
7784             \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\hbox}
7785         \fi
7786     \else
7787         \if@right@column@shrink
7788             \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
7789                 \cuted@@tempdim@b=\ht\cuted@@tempbox@c
7790                 \cuted@@tempdim@spread=\z@
7791             \fi
7792         \fi
7793     \fi
7794 \else
7795     \ifdim\cuted@@tempdim@spread>\z@
7796         \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
7797             \cuted@@tempdim@b=\cuted@@tempdim@spread
7798             \cuted@@tempdim@spread=\z@
7799         \fi
7800     \fi
7801     \advance\cuted@@tempdim@b 1\p@
7802 \repeat

```



```

7810 \wlog{CUTED [- LAST -]%
7811   ^^JExtra skip:\the\cuted@@tempdim@spread
7812   ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
7813   ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
7814   ^^JSplit:\saved@tempdimb
7815   ^^JOutput:\the\cuted@@tempdim@b
7816   ^^JPageshrink:\the\pageshrink
7817   ^^JPagestretch:\the\pagestretch
7818   ^^JColht:\the\colht
7819 }%
7820 %%
7821 %% final construction of the cuted page above strip
7822 %%
7823 \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
7824 \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
7825   \cuted@@tempdim@a=\dimexpr
7826     \cuted@@tempdim@b-\ht\cuted@@tempbox@c
7827     \relax
7828   \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
7829   \unvbox\cuted@@tempbox@c
7830   \ifdim\cuted@@tempdim@spread>\dp\strutbox
7831   \else
7832     \vskip-\cuted@@tempdim@spread
7833   \fi
7834   \prevdepth\z@
7835   \hrule\@height\cuted@@page@rule width\textwidth
7836   \vskip-\cuted@@page@rule
7837   \ifdim\cuted@@tempdim@a>\z@
7838     \if@left@column@spread
7839     \else
7840       \vss
7841     \fi
7842   \else
7843     \ifdim\cuted@@tempdim@a<\z@
7844       \if@left@column@shrink
7845       \else
7846         \vss
7847       \fi
7848     \fi
7849   \fi
7850 }%
7851 \wlog{CUTED [output]: \the\cuted@@tempdim@b
7852   ^^JCUTED [leftcolumn badness]: \number\badness
7853 }%
7854 \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
7855   \cuted@@tempdim@a=\dimexpr
7856     \cuted@@tempdim@b-\ht\@holdpg
7857     \relax
7858   \unvbox\@holdpg
7859   \ifdim\cuted@@tempdim@a>\z@
7860     \if@right@column@spread
7861     \else
7862       \vss
7863     \fi

```




```

7864     \else
7865         \ifdim\cuted@@tempdim@a<\z@
7866             \if@right@column@shrink
7867                 \else
7868                     \vss
7869                 \fi
7870             \fi
7871         \fi
7872     }%
7873 \wlog{CUTED [rightcolumn badness]: \number\badness}%
7874 \setbox\cuted@@tempbox@var\vbox{%
7875     \hb@xt@\textwidth{%
7876         \ifRTLmain
7877             \hskip \columnwidth
7878             \hfil
7879             {\normalcolor\vrule \@width\columnseprule}%
7880             \hfil
7881             \hb@xt@\columnwidth{%
7882                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
7883                 \hss
7884             }%
7885             \hskip -\textwidth
7886             \hb@xt@\columnwidth{%
7887                 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
7888                 \hss
7889             }%
7890             \hskip \columnsep
7891             \hskip \columnwidth
7892         \else
7893             \hb@xt@\columnwidth{%
7894                 \vbox to\ht@viper{\box\cuted@@tempbox@a\vss}%
7895                 \hss
7896             }%
7897             \hfil
7898             {\normalcolor\vrule \@width\columnseprule}%
7899             \hfil
7900             \hb@xt@\columnwidth{%
7901                 \vbox to\ht@viper{\box\cuted@@varbox@a\vss}%
7902                 \hss
7903             }%
7904         \fi
7905     }%
7906 }%
7907 %%
7908 %% finalize cuted page
7909 %%
7910 \ifvoid\hold@viper
7911     \global\setbox\hold@viper\vbox{%
7912         \unvbox\cuted@@tempbox@var
7913         \penalty\interlinepenalty
7914         \vskip\stripsep
7915         \the\preCutedStrip
7916         \ifnum\outputpenalty<-\@Mii
7917             \vskip -\parskip

```



```

7918         \fi
7919         \outputpenalty\z@
7920     }%
7921 \else
7922     \global\setbox\hold@viper\vbox{%
7923         \unvbox\hold@viper
7924         \cuted@@tempbox@var
7925         \penalty\interlinepenalty
7926         \vskip\stripsep
7927         \the\preCutedStrip
7928         \ifnum\outputpenalty<-\@Mii
7929             \vskip -\parskip
7930         \fi
7931         \outputpenalty\z@
7932     }%
7933 \fi
7934 \ifdim\@colht>\@reqcolroom
7935     \global\setbox\hold@viper\vbox{%
7936         \unvbox\hold@viper
7937         \box\@viper
7938         \penalty\interlinepenalty
7939         \the\postCutedStrip
7940         \vskip\stripsep
7941         \ifnum\outputpenalty<-\@Mii
7942             \vskip -\parskip
7943         \fi
7944         \outputpenalty\z@
7945     }%
7946 \@inserttrue
7947 \global\@firstcolumntrue
7948 \advance\ht@hold@viper by-\ht\hold@viper
7949 \global\advance\@colht by\ht@hold@viper
7950 \ifdim\@colht<2.5\baselineskip
7951     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7952                               too tall on page \thepage (\var@@thecol@num column)}}%
7953     \@emptycol
7954     \if@firstcolumn
7955     \else
7956         \@emptycol
7957     \fi
7958     \global\@lastvipertrue
7959 \else
7960     \global\vsizel\@colht
7961     \global\@colroom\@colht
7962     \check@floats\cuted@@tempdim@a
7963     \ifdim\cuted@@tempdim@a>\z@
7964         \global\advance\@colroom by-\cuted@@tempdim@a
7965     \fi
7966     \ifdim\@colroom<\z@
7967         \global\@colroom1\p@
7968         \ifdim\cuted@@tempdim@a>\@colht
7969             \@latex@warning@no@line{TOP and/or BOT FLOAT's
7970                                     to large on \thepage (\var@@thecol@num column)}}%
7971     \fi

```



```

7972             \@emptycol
7973             \if@firstcolumn
7974             \else
7975                 \@emptycol
7976             \fi
7977             \global\@lastvipertrue
7978         \fi
7979     \fi
7980 \fi
7981 \if@insert
7982 \else
7983     \advance\ht@hold@viper by-\ht\hold@viper
7984     \global\advance\@colht by\ht@hold@viper
7985     \global\setbox\hold@viper\ vbox{%
7986         \unvbox\hold@viper
7987         \set@split@topskip@to{\z@ plus2\p@}%
7988         \vsplit\@viper to\@colht
7989         \vss
7990     }%
7991     \vbox{%
7992         \global\@firstcolumnfalse
7993         \newpage
7994     \fi
7995 }

```

45 File cvthemebidicasual.sty

```

7996 \NeedsTeXFormat{LaTeX2e}
7997 \ProvidesPackage{cvthemebidicasual}
7998 \DeclareOption{blue}{}
7999 \newif\if@colourorange\@colourorangefalse
8000 \DeclareOption{orange}{\@colourorangetrue}
8001 \newif\if@colourgreen\@colourgreenfalse
8002 \DeclareOption{green}{\@colourgreentrue}
8003 \newif\if@coloured\@colouredfalse
8004 \DeclareOption{red}{\@colouredtrue}
8005 \newif\if@colourgrey\@colourgreyfalse
8006 \DeclareOption{grey}{\@colourgreytrue}
8007 \DeclareOption*{
8008     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
8009 \ExecuteOptions{colour}
8010 \ProcessOptions\relax
8011 \renewcommand*{\listitemsymbol}{\textbullet}
8012 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
8013 \familynamecolour{808080}
8014 \firstnamecolour{A9A9A9}
8015 \quotecolour{696969}
8016 \addresscolour{696969}
8017 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
8018 \sectiontitlecolour{1E90FF}
8019 \subsectioncolour{4682B4}
8020 \definecolor{rulecolour}{gray}{0.6}
8021 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
8022 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}

```



```

8023 \if@colouorange
8024 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
8025 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
8026 \sectiontitlecolour{FF8C00}
8027 \subsectioncolour{FF8C00}
8028 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
8029 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
8030 \if@colourgreen
8031 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
8032 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
8033 \sectiontitlecolour{008000}
8034 \subsectioncolour{008000}
8035 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
8036 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
8037 \if@colourred
8038 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
8039 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
8040 \sectiontitlecolour{FF0000}
8041 \subsectioncolour{FF0000}
8042 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
8043 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
8044 \if@colourgrey
8045 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
8046 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
8047 \sectiontitlecolour{808080}
8048 \subsectioncolour{808080}
8049 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
8050 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
8051 \renewcommand*{\ttdefault}{pcr}
8052 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
8053 \renewcommand*{\familynamefont}{\firstnamefont}
8054 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
8055 \renewcommand*{\quoteontext}{\large\slshape}
8056 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
8057 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
8058 \renewcommand*{\maketitle}{%
8059   {%
8060     \ifthenelse{\isundefined{\@photo}}{%
8061       {}%
8062       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
8063       \hfill%
8064       \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
8065     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
8066     \ifthenelse{\isundefined{\@quote}}{%
8067       {}%
8068       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\%
8069     }%
8070 \newif\if@firstfooterelement\@firstfooterelementtrue
8071 \providecommand*{\footersymbol}{%
8072 \renewcommand*{\footersymbol}{%
8073   \if@firstfooterelement%
8074   \else%
8075     {~~\color{footersymbolcolor}\textbullet~~}\fi}
8076 \providecommand*{\makefooter}{%

```



```

8077 \renewcommand*{\makefooter}{%
8078   \fancypagestyle{plain}{%
8079     \fancyfoot[c]{%
8080       \parbox{0.8\textwidth}{%
8081         \centering%
8082         \addressfont\@addresscolour%
8083         \ifthenelse{\isundefined{\@address}}{}{%
8084           \addresssymbol~\@address\\%
8085           \@firstfooterelementfalse}%
8086         \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
8087         \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
8088         \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
8089         \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emaillink{\@email}\@firstfooterelementfalse}%
8090         \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
8091       }%
8092     \pagestyle{plain}}
8093 \AtBeginDocument{\makefooter}

```

46 File cvthemebidiclassic.sty

```

8094 \NeedsTeXFormat{LaTeX2e}
8095 \ProvidesPackage{cvthemebidiclassic}
8096 \DeclareOption{blue}{}
8097 \newif\if@colourorange\@colourorangefalse
8098 \DeclareOption{orange}{\@colourorangertrue}
8099 \newif\if@colourgreen\@colourgreenfalse
8100 \DeclareOption{green}{\@colourgreentrue}
8101 \newif\if@colourred\@colourredfalse
8102 \DeclareOption{red}{\@colourredtrue}
8103 \newif\if@colourgrey\@colourgreyfalse
8104 \DeclareOption{grey}{\@colourgreytrue}
8105 \DeclareOption*{
8106   \PackageWarning{cvthemebidiclassic}{Unknown option '\CurrentOption'}}
8107 \ExecuteOptions{colour}
8108 \ProcessOptions\relax
8109 \renewcommand*{\listitemsymbol}{\textbullet}
8110 \firstnamecolour{}
8111 \familynamecolour{}
8112 \titlecolour{808080}
8113 \quotecolour{696969}
8114 \addresscolour{696969}
8115 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
8116 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
8117 \sectiontitlecolour{1E90FF}
8118 \subsectioncolour{4682B4}
8119 \if@colourorange
8120   \addresscolour{FF8C00}
8121   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
8122   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
8123   \sectiontitlecolour{FF8C00}
8124   \subsectioncolour{FF8C00}\fi
8125 \if@colourgreen
8126   \addresscolour{008000}
8127   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}

```



```

8128 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
8129 \sectiontitlecolour{008000}
8130 \subsectioncolour{008000}\fi
8131 \if@colourred
8132 \addresscolour{FF0000}
8133 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
8134 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
8135 \sectiontitlecolour{FF0000}
8136 \subsectioncolour{FF0000}\fi
8137 \if@colourgrey
8138 \addresscolour{808080}
8139 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
8140 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
8141 \sectiontitlecolour{808080}
8142 \subsectioncolour{808080}\fi
8143 \renewcommand*{\ttdefault}{pcr}
8144 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
8145 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
8146 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
8147 \renewcommand*{\familynamefont}{\firstnamefont}
8148 \renewcommand*{\quote font}{\large\slshape}
8149 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
8150 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
8151 \newlength{\maketitlenamemaxwidth}
8152 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
8153 \newlength{\maketitlenamefullwidth}
8154 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
8155 \newlength{\maketitlenamewidth}
8156 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamefullwidth}
8157 \newlength{\maketitlepicturewidth}
8158 \setlength{\maketitlepicturewidth}{\@photowidth}
8159 \newlength{\maketitledetailwidth}
8160 \renewcommand*{\recomputethemelengths}{%
8161 \setlength{\maketitledetailwidth}{\textwidth}%
8162 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
8163 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
8164 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
8165 \recomputethemelengths
8166 \newif\if@firstdetailselement\@firstdetailselementtrue
8167 \newcommand*{\maketitledetailnewline}{
8168 \if@firstdetailselement%
8169 \@firstdetailselementfalse%
8170 \else%
8171 \[\.2em]\fi}
8172 \renewcommand*{\maketitle}{%
8173 % name and title
8174 \begin{minipage}[b]{\maketitlenamewidth}%
8175 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
8176 \ifthenelse{equal{\@title}{}}{\[\[1.25em]\titlestyle{\@title}}{}%
8177 \end{minipage}%
8178 % optional data
8179 \begin{minipage}[b]{\maketitledetailwidth}%
8180 \bidi@raggedleft\addressfont\addresscolour%
8181 \ifthenelse{isundefined{\@address}}{\}{}%

```



```

8182 \maketitledetailsnewline%
8183 \addresssymbol~\\@address}%
8184 \ifthenelse{\isundefined{\@mobile}}{\}\{\maketitledetailsnewline\mobilesymbol~\@mobile}%
8185 \ifthenelse{\isundefined{\@phone}}{\}\{\maketitledetailsnewline\phonesymbol~\@phone}%
8186 \ifthenelse{\isundefined{\@fax}}{\}\{\maketitledetailsnewline\faxsymbol~\@fax}%
8187 \ifthenelse{\isundefined{\@email}}{\}\{\maketitledetailsnewline\emailsymbol~\emailink{\@e
8188 \ifthenelse{\isundefined{\@extrainfo}}{\}\{\maketitledetailsnewline\@extrainfo}%
8189 \end{minipage}%
8190 % optional photo
8191 \ifthenelse{\isundefined{\@photo}}{\}%
8192 {\}%
8193 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
8194 % optional quote
8195 \ifthenelse{\isundefined{\@quote}}{\}%
8196 {\}%
8197 {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\\
8198 }

```

47 File dblfnote-xetex-bidi.def

```

8199 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
8200 \let\autofootnoterule\relax
8201 \let\rightfootnoterule\relax
8202 \let\leftfootnoterule\relax
8203 \let\textwidthfootnoterule\relax
8204 \let\LRfootnoterule\relax
8205 \def\footnoterule{\kern-3\p@
8206 \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
8207 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
8208 \let\@footnotetext\dfn@footnotetext}
8209 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
8210 \let\insert\dfn@gobble
8211 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
8212 \def\@makefnmark{\smash{\dfn@makefnmark}}
8213 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
8214 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
8215 \ifdim\dfn@dima>\z@ \else
8216 \dfn@dima1sp\relax
8217 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
8218 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
8219 \ifvoid\dfn@ins\else
8220 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
8221 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
8222 \setbox\dfn@boxa\copy\dfn@ins
8223 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8224 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
8225 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
8226 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
8227 \xdef\dfn@list{\dfn@list\elt{\number\dfn@dima}{\number\@tempdima}}}}
8228 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
8229 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
8230 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
8231 \let\insert\dfn@gobble
8232 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness

```



```

8233 \def\@makefnmark{\smash{\dfn@makefnmark}}
8234 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
8235 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
8236 \ifdim\dfn@dima>\z@\else
8237 \dfn@dima\isp\relax
8238 \setbox\dfn@boxa\vbox{\vbox to\isp{\unvbox\dfn@boxa\vfil}}\fi
8239 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
8240 \ifvoid\dfn@ins\else
8241 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
8242 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
8243 \setbox\dfn@boxa\copy\dfn@ins
8244 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8245 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
8246 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
8247 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
8248 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
8249 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
8250 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
8251 \def\dfn@RTLmakecol{\ifvoid\footins\else
8252 \dfn@dima\ht\footins
8253 \@tempcnta\z@ \dfn@countins
8254 \@tempdima\z@ \let\@elt\dfn@elt\getht
8255 \dfn@list\@nil
8256 \ifdim\@tempdima=\z@\else
8257 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
8258 \global\setbox\dfn@ins\box\dfn@ins
8259 \@tempswatrue
8260 \ifdfn@trysingle
8261 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
8262 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
8263 \advance\@tempdima-\skip\footins
8264 \advance\@tempdima-\ht\dfn@boxa
8265 \ifdim\@tempdima<\z@\else \@tempswafalse
8266 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
8267 \footnoterule \unvbox\dfn@boxa}\fi\fi
8268 \if@tempswa
8269 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8270 \global\setbox\footins\vbox{\hbox{%
8271 \hskip \DFNcolumnwidth
8272 \hskip\DFNcolumnsep
8273 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
8274 \unvbox\dfn@boxb\vss}\hss}
8275 \hskip -\textwidth
8276 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
8277 \vbox to\@tempdima{
8278 \setbox\@tempboxa\vbox{\footnoterule}
8279 \ifdfn@ruleboth \unvbox\@tempboxa
8280 \else \@tempdima\ht\@tempboxa
8281 \advance\@tempdima\dp\@tempboxa
8282 \vskip\@tempdima
8283 \prevdepth\dp\@tempboxa \fi
8284 \unvbox\dfn@boxa\vss}\fi\hss}
8285 \hskip \DFNcolumnsep
8286 \hskip \DFNcolumnwidth}}}\fi\fi

```




```

8287 \global\dfn@fnht\z@
8288 \ifx\dfn@list\@empty\else
8289 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
8290 \dfn@list \global\advance\dfn@fnht\dfn@dimb
8291 \let\@elt\relax
8292 \ifdim\dfn@dimb>\z@
8293 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
8294 \insert\footins{\floatingpenalty\@MM
8295 \vbox to\dfn@dimb{}}\fi
8296 \ifdim\dfn@fnht>\@tempdima
8297 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
8298 \global\dfn@fnht\@tempdima
8299 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
8300 \xdef\dfn@afteroutput{\insert\footins{
8301 \floatingpenalty\@MM
8302 \vbox to\number\@tempdimb sp{}}}%
8303 \global\let\noexpand\dfn@afteroutput\relax}%
8304 \fi\fi
8305 \fi}%
8306 \let\footnoterule\relax \dfn@latex@makecol
8307 \let\footnoterule\dfn@footnoterule}
8308 \def\dfn@LTRmakecol{\ifvoid\footins\else
8309 \dfn@dima\ht\footins
8310 \@tempcnta\z@ \dfn@countins
8311 \@tempdima\z@ \let\@elt\dfn@elt@getht
8312 \dfn@list\@nil
8313 \ifdim\@tempdima=\z@\else
8314 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
8315 \global\setbox\dfn@ins\box\dfn@ins
8316 \@tempswatrue
8317 \ifdfn@trysingle
8318 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
8319 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
8320 \advance\@tempdima-\skip\footins
8321 \advance\@tempdima-\ht\dfn@boxa
8322 \ifdim\@tempdima<\z@\else \@tempswafalse
8323 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
8324 \footnoterule \unvbox\dfn@boxa}\fi\fi
8325 \if@tempswa
8326 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8327 \global\setbox\footins\vbox{\hbox{%
8328 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
8329 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
8330 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
8331 \vbox to\@tempdima{
8332 \setbox\@tempboxa\vbox{\footnoterule}
8333 \ifdfn@ruleboth \unvbox\@tempboxa
8334 \else \@tempdima\ht\@tempboxa
8335 \advance\@tempdima\dp\@tempboxa
8336 \vskip\@tempdima
8337 \prevdepth\dp\@tempboxa \fi
8338 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
8339 \global\dfn@fnht\z@
8340 \ifx\dfn@list\@empty\else

```



```

8341 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
8342 \dfn@list \global\advance\dfn@fnht\dfn@dimb
8343 \let\@elt\relax
8344 \ifdim\dfn@dimb>\z@
8345 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
8346 \insert\footins{\floatingpenalty\@MM
8347 \vbox to\dfn@dimb{}}\fi
8348 \ifdim\dfn@fnht>\@tempdima
8349 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
8350 \global\dfn@fnht\@tempdima
8351 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
8352 \xdef\dfn@afteroutput{\insert\footins{
8353 \floatingpenalty\@MM
8354 \vbox to\number\@tempdimb sp{}}}%
8355 \global\let\@elt\dfn@afteroutput\relax}%
8356 \fi\fi
8357 \fi}%
8358 \let\footnoterule\relax \dfn@latex@makecol
8359 \let\footnoterule\dfn@footnoterule}
8360 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
8361 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
8362 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
8363 \DFNalwaysdouble

```

48 File diagbox-xetex-bidi.def

```

8364 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package f
8365 \bidi@patchcmd{\diagbox@double}{%
8366 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}
8367 }{\bidi@@diagbox@double@ii}{-}{-}
8368 \bidi@patchcmd{\diagbox@double}{%
8369 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
8370 }{\bidi@@diagbox@double@iii}{-}{-}
8371 \newcommand*{\bidi@@diagbox@double@ii}{%
8372 \if@RTL
8373 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepl}}
8374 \else
8375 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}
8376 \fi
8377 }
8378 \newcommand*{\bidi@@diagbox@double@iii}{%
8379 \if@RTL
8380 \begin{tabular}{@{\hspace{\diagbox@insepr}}>\diagbox@font}l@{}
8381 \else
8382 \begin{tabular}{@{}>\diagbox@font}r@{\hspace{\diagbox@insepr}}
8383 \fi
8384 }
8385 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8386 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}
8387 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
8388 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8389 \begin{tabular}{@{\hspace{\diagbox@insepl}}>\diagbox@font}l@{}
8390 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
8391 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%

```



```

8392 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
8393 }{\bidi@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
8394 \newcommand*{\bidi@diagbox@triple@setbox@NW@tabular@i@ii}{%
8395 \if@RTL
8396 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8397 \else
8398 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8399 \fi
8400 \newcommand*{\bidi@diagbox@triple@setbox@NW@tabular@iii}{%
8401 \if@RTL
8402 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8403 \else
8404 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8405 \fi
8406 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
8407 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8408 \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}%
8409 }{\bidi@diagbox@triple@setbox@SE@tabular@i}{-}{-}
8410 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8411 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8412 }{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8413 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8414 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8415 }{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8416 \newcommand*{\bidi@diagbox@triple@setbox@SE@tabular@i}{%
8417 \if@RTL
8418 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}
8419 \else
8420 \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
8421 \fi
8422 }
8423 \newcommand*{\bidi@diagbox@triple@setbox@SE@tabular@ii@iii}{%
8424 \if@RTL
8425 \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
8426 \else
8427 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}
8428 \fi
8429 }
8430 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
8431 \bidi@patchcmd{\diagbox@double@pict@SE}{%
8432 \diagbox@setlinecolor
8433 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
8434 }{%
8435 {\diagbox@setlinecolor
8436 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
8437 }{-}{-}
8438 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
8439 \bidi@patchcmd{\diagbox@double@pict@NE}{%
8440 \diagbox@setlinecolor
8441 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
8442 }{%
8443 {\diagbox@setlinecolor
8444 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
8445 }{-}{-}

```



```

8446 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
8447 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
8448   \diagbox@setlinecolor
8449   \Line(0,\yym)(\x,0)
8450   \Line(\xm,\y)(\x,0)%
8451 }{%
8452   {\diagbox@setlinecolor
8453     \Line(0,\yym)(\x,0)
8454     \Line(\xm,\y)(\x,0)}%
8455 }{}{}
8456 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
8457   \diagbox@setlinecolor
8458   \Line(0,0)(\xxm,\y)
8459   \Line(0,0)(\x,\yym)%
8460 }{%
8461   {\diagbox@setlinecolor
8462     \Line(0,0)(\xxm,\y)
8463     \Line(0,0)(\x,\yym)}%
8464 }{}{}
8465 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
8466   \diagbox@setlinecolor
8467   \Line(0,\ym)(\x,\y)
8468   \Line(\xm,0)(\x,\y)%
8469 }{%
8470   {\diagbox@setlinecolor
8471     \Line(0,\ym)(\x,\y)
8472     \Line(\xm,0)(\x,\y)}%
8473 }{}{}
8474 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
8475   \diagbox@setlinecolor
8476   \Line(0,\y)(\xxm,0)
8477   \Line(0,\y)(\x,\ym)%
8478 }{%
8479   {\diagbox@setlinecolor
8480     \Line(0,\y)(\xxm,0)
8481     \Line(0,\y)(\x,\ym)}%
8482 }{}{}

```

49 File draftwatermark-xetex-bidi.def

```

8483 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwater
8484 \renewcommand\SetWatermarkText[1]{%
8485   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

50 File eso-pic-xetex-bidi.def

```

8486 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package f
8487 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8488   \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}
8489
8490 \ESO@isMEMOIR{%
8491   \renewcommand\AtTextUpperLeft[1]{%
8492     \begingroup
8493     \ifodd\c@page

```



```

8494     \if@RTLmain
8495         \ESO@tempdima=\paperwidth
8496         \advance\ESO@tempdima-\textwidth
8497         \advance\ESO@tempdima-\spinemargin
8498     \else
8499         \ESO@tempdima=\spinemargin
8500     \fi
8501 \else
8502     \if@RTLmain
8503         \ESO@tempdima=\spinemargin
8504     \else
8505         \ESO@tempdima=\paperwidth
8506         \advance\ESO@tempdima-\textwidth
8507         \advance\ESO@tempdima-\spinemargin
8508     \fi
8509 \fi
8510 \ESO@tempdimb=-\uppermargin
8511 \AtPageUpperLeft{%
8512     \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
8513 }%
8514 \endgroup
8515 }
8516 }{%
8517 \renewcommand\AtTextUpperLeft[1]{%
8518     \begingroup
8519     \ESO@tempdima=1in\relax
8520     \if@twoside
8521         \ifodd\c@page
8522             \if@RTLmain
8523                 \advance\ESO@tempdima\evensidemargin
8524             \else
8525                 \advance\ESO@tempdima\oddsidemargin
8526             \fi
8527         \else
8528             \if@RTLmain
8529                 \advance\ESO@tempdima\oddsidemargin
8530             \else
8531                 \advance\ESO@tempdima\evensidemargin
8532             \fi
8533         \fi
8534     \else
8535         \advance\ESO@tempdima\oddsidemargin
8536     \fi
8537     \ESO@tempdimb=-1in\relax
8538     \advance\ESO@tempdimb-\topmargin
8539     \advance\ESO@tempdimb-\headheight
8540     \advance\ESO@tempdimb-\headsep
8541     \AtPageUpperLeft{%
8542         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
8543     }%
8544 \endgroup
8545 }
8546 }

```



51 File empheq-xetex-bidi.def

```

8547 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for
8548 \MHInternalSyntaxOn
8549 \def\EQ_tag_plus_endmark:{%
8550   \iftagsleft@
8551     \gdef\maketag@@@##1{%
8552       \hfuzz\displaywidth
8553       \if@RTL\makebox[\widthof{##1}][r]{%
8554         \hbox to \displaywidth{\m@th\normalfont##1\hss
8555           \raisebox{-\dp\EQ_mathdisplay_box
8556             -\depthof{\EQ_outerbox:}}{
8557             {\PotEndMark{\hss}}}}
8558       \else\makebox[\widthof{##1}][l]{%
8559         \hbox to \displaywidth{\m@th\normalfont##1\hss
8560           \raisebox{-\dp\EQ_mathdisplay_box
8561             -\depthof{\EQ_outerbox:}}{
8562             {\PotEndMark{\hss}}}}\fi}%
8563   \MH_else:
8564     \gdef\maketag@@@##1{%
8565       \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
8566         \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
8567       \MH_addtolength:dn \@tempdima
8568         {\g_EQ_bottomtag_depth_dim+\mintagvsep}
8569       \setlength{\@tempdimb}
8570         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
8571         +\depthof{\EQ_innerbox:}}}}
8572       \MH_if_dim:w \@tempdima>\@tempdimb
8573       \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8574         -\@tempdima+\g_EQ_bottomrow_depth_dim}
8575       \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
8576       \def\EQ_next:{\raisebox{\@tempdima}}}%
8577     \MH_else:
8578       \def\EQ_next:{
8579         \raisebox{-\dp\EQ_mathdisplay_box
8580           -\depthof{\EQ_outerbox:}}}%
8581       \MH_fi:\EQ_next:}}}%
8582   \MH_fi:}
8583 \def\EQ_post_process:{%
8584   \EQ_initialize:
8585   \EQ_begin_equation:
8586   \MH_if_boolean:nT {outer_mult}{
8587     \setkeys{MT_options_name:}{
8588       firstline-afterskip=0pt,
8589       lastline-preskip=0pt,
8590       multlined-width=0pt,
8591     }
8592     \ifodd \l_EQ_alignmentmode_int
8593       \setkeys{MT_options_name:}{multlined-pos=b}
8594     \MH_else:
8595       \setkeys{MT_options_name:}{multlined-pos=t}
8596     \MH_fi:
8597     \g@addto@macro\EQ_complete_mathdisplay:{
8598       \begin{MTmultlined}\relax}

```



```

8599 }
8600 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8601 \MH_if_boolean:nT {outer_mult}{
8602   \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8603 }
8604 \EQ_end_equation:
8605 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8606 \savecounters@
8607 \EQ_typeset_tags:
8608 \edef\l_EQ_equation_fint{\number\c@equation}
8609 \restorecounters@
8610 \Hy@linkcounter=\EQ_hyperref_link_fint
8611 \settowidth\l_EQ_totalwidth_dim{%
8612   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
8613 \MH_if_boolean:nTF {outer_mult}
8614   { \def\EQ_next:{_mult} }
8615   { \def\EQ_next:{} }
8616 \@nameuse{EQ_modify_linewidth_
8617   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8618 \EQ_typeset_display:
8619 \@nameuse{EQ_find_displaywidth_
8620   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8621 \MH_addtolength:dn
8622 \l_EQ_totalwidth_dim\l_EQ_displaywidth_dim}
8623 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8624   $\EQ_left_side:
8625   \EQ_innerbox:{%
8626     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8627     \makebox[\l_EQ_displaywidth_dim][c]
8628       {\usebox{\EQ_mathdisplay_box}}}%
8629   \MH_or:
8630     \makebox[\l_EQ_displaywidth_dim][c]
8631       {\usebox{\EQ_mathdisplay_box}}}%
8632   \MH_or:
8633     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8634       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8635         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8636           \kern-\@mathmargin
8637         \MH_fi:
8638       \MH_fi:
8639       \usebox{\EQ_mathdisplay_box}}}%
8640   \else\makebox[\l_EQ_displaywidth_dim][l]{%
8641     \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8642       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8643         \kern-\@mathmargin
8644       \MH_fi:
8645     \MH_fi:
8646     \usebox{\EQ_mathdisplay_box}}\fi%
8647   \MH_or:
8648     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8649       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8650         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8651           \kern-\@mathmargin
8652         \MH_fi:

```



```

8653      \MH_fi:
8654      \usebox{\EQ_mathdisplay_box}}
8655      \else\makebox[\l_EQ_displaywidth_dim][l]{%
8656      \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8657      \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8658      \kern-\@mathmargin
8659      \MH_fi:
8660      \MH_fi:
8661      \usebox{\EQ_mathdisplay_box}}\fi%
8662      \MH_fi:}%
8663      \EQ_right_side:$}%
8664      \begin{AmSequation*}
8665      \@nameuse{EQ_place_display_
8666      \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8667      \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8668      \MH_set_boolean_T:n {show_manual_tags}
8669      \MH_if_case:w \l_EQ_alignmentmode_int
8670      \MH_or: \ifRTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
8671      \MH_or: \ifRTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
8672      \MH_or: \ifRTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
8673      \MH_or: \ifRTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
8674      \MH_fi:
8675      \MH_fi:
8676      \end{AmSequation*}
8677      \global\c@equation=\l_EQ_equation_fint\relax
8678      }
8679      \AtBeginDocument{%
8680      \@ifpackageloaded{fancybox}{%
8681      \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8682      {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
8683      \renewcommand*{\shadowbox{%
8684      \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
8685      \VerbBox\EQ_shadowbox:n}
8686      {\MH_set_boolean_F:n {shadowbox_star}
8687      \VerbBox\EQ_shadowbox:n}}
8688      \def\EQ_shadowbox:n #1{%
8689      \sbox{\z@}{\fbox{#1}}}%
8690      \MH_if_boolean:nTF {shadowbox_star}{
8691      \MH_setlength:dn \@tempdima{\z@}%
8692      }{
8693      \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8694      }
8695      \raisebox{\@tempdima}{%
8696      \ifRTL\makebox[\z@][r]{%
8697      \kern\shadowsize \textcolor{shadowcolor}{%
8698      \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
8699      }%
8700      \else\makebox[\z@][l]{%
8701      \kern\shadowsize \textcolor{shadowcolor}{%
8702      \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
8703      }\fi%
8704      \usebox\z@\textcolor{shadowcolor}{%
8705      \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8706      }-}%

```




```

8707 }
8708 \MHInternalSyntaxOff

```

52 File extarticle-xetex-bidi.def

```

8709 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle cla
8710 \renewcommand*\l@section[2]{%
8711   \ifnum \c@tocdepth >\z@
8712     \addpenalty\@secpenalty
8713     \addvspace{1.0em \@plus\p@}%
8714     \setlength\@tempdima{1.5em}%
8715     \begingroup
8716       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8717       \parfillskip -\@pnumwidth
8718       \leavevmode \bfseries
8719       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8720       \hskip -\if@RTL\rightskip\else\leftskip\fi
8721       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8722     \endgroup
8723   \fi}
8724 \renewcommand*\l@part[2]{%
8725   \ifnum \c@tocdepth >-2\relax
8726     \addpenalty\@secpenalty
8727     \addvspace{2.25em \@plus\p@}%
8728     \begingroup
8729       \setlength\@tempdima{3em}%
8730       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8731       \parfillskip -\@pnumwidth
8732       {\leavevmode
8733         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8734       \nobreak
8735     \endgroup
8736   \fi}
8737 \def\@part[#1]#2{%
8738   \ifnum \c@secnumdepth >\m@ne
8739     \refstepcounter{part}%
8740     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8741   \else
8742     \addcontentsline{toc}{part}{#1}%
8743   \fi
8744   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8745     \interlinepenalty \@M
8746     \normalfont
8747     \ifnum \c@secnumdepth >\m@ne
8748       \Large\bfseries \partname-\thepart
8749     \par\nobreak
8750   \fi
8751   \huge \bfseries #2%
8752   \markboth{}{}\par}%
8753 \nobreak
8754 \vskip 3ex
8755 \@afterheading}
8756 \def\@spart#1{%
8757   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi

```



```

8758 \interlinepenalty \@M
8759 \normalfont
8760 \huge \bfseries #1\par}%
8761 \nobreak
8762 \vskip 3ex
8763 \@afterheading}
8764 \renewenvironment{thebibliography}[1]
8765 { \section*{\refname
8766 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
8767 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8768 \bidi@thebibliography@font@hook%
8769 \list{\@biblabel{\@arabic{c@enumiv}}}%
8770 {\settowidth\labelwidth{\@biblabel{#1}}%
8771 \leftmargin\labelwidth
8772 \advance\leftmargin\labelsep
8773 \@openbib@code
8774 \usecounter{enumiv}%
8775 \let\p@enumiv\@empty
8776 \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
8777 \sloppy\clubpenalty4000\widowpenalty4000%
8778 \sfcode\.\@m}
8779 {\def\@noitemerr
8780 {\@latex@warning{Empty `thebibliography' environment}}}%
8781 \endlist}
8782 \renewcommand\left@footnoterule{%
8783 \kern-3\p@
8784 \hrule\@width.4\columnwidth
8785 \kern2.6\p@}
8786 \renewcommand\right@footnoterule{%
8787 \kern-3\p@
8788 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8789 \kern2.6\p@}
8790 \if@titlepage
8791 \renewcommand\maketitle{\begin{titlepage}%
8792 \let\footnotesize\small
8793 \let\right@footnoterule\relax
8794 \let\left@footnoterule\relax
8795 \let\textwidth\@footnoterule\relax
8796 \let \footnote \thanks
8797 \null\vfil
8798 \vskip 60\p@
8799 \begin{center}%
8800 {\LARGE \@title \par}%
8801 \vskip 3em%
8802 {\large
8803 \lineskip .75em%
8804 \begin{tabular}[t]{c}%
8805 \@author
8806 \end{tabular}\par}%
8807 \vskip 1.5em%
8808 {\large \@date \par}% % Set date in \large size.
8809 \end{center}\par
8810 \@thanks
8811 \vfil\null

```



```

8812 \end{titlepage}%
8813 \setcounter{footnote}{0}%
8814 \global\let\thanks\relax
8815 \global\let\maketitle\relax
8816 \global\let\@thanks\@empty
8817 \global\let\@author\@empty
8818 \global\let\@date\@empty
8819 \global\let\@title\@empty
8820 \global\let\title\relax
8821 \global\let\author\relax
8822 \global\let\date\relax
8823 \global\let\and\relax
8824 }
8825 \else
8826 \renewcommand\maketitle{\par
8827 \begin{group}
8828 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8829 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8830 \long\def\@makefntext##1{\parindent 1em\noindent
8831 \hspace{1.8em}%
8832 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8833 \if@twocolumn
8834 \ifnum \col@number=\@ne
8835 \@maketitle
8836 \else
8837 \twocolumn[\@maketitle]%
8838 \fi
8839 \else
8840 \newpage
8841 \global\@topnum\z@ % Prevents figures from going at top of page.
8842 \@maketitle
8843 \fi
8844 \thispagestyle{plain}\@thanks
8845 \end{group}
8846 \setcounter{footnote}{0}%
8847 \global\let\thanks\relax
8848 \global\let\maketitle\relax
8849 \global\let\@maketitle\relax
8850 \global\let\@thanks\@empty
8851 \global\let\@author\@empty
8852 \global\let\@date\@empty
8853 \global\let\@title\@empty
8854 \global\let\title\relax
8855 \global\let\author\relax
8856 \global\let\date\relax
8857 \global\let\and\relax
8858 }
8859 \def\@maketitle{%
8860 \newpage
8861 \null
8862 \vskip 2em%
8863 \begin{center}%
8864 \let \footnote \thanks
8865 {\LARGE \@title \par}%

```



```

8866 \vskip 1.5em%
8867 {\large
8868 \lineskip .5em%
8869 \begin{tabular}[t]{c}%
8870 \author
8871 \end{tabular}\par}%
8872 \vskip 1em%
8873 {\large \@date}%
8874 \end{center}%
8875 \par
8876 \vskip 1.5em}
8877 \fi
8878 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
8879 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8880 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8881 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

53 File extbook-xetex-bidi.def

```

8882 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for
8883 \if@titlepage
8884 \renewcommand\maketitle{\begin{titlepage}%
8885 \let\footnotesize\small
8886 \let\right@footnoterule\relax
8887 \let\left@footnoterule\relax
8888 \let\textwidth@footnoterule\relax
8889 \let\footnote\thanks
8890 \let\LTRfootnote\LTRthanks
8891 \let\RTLfootnote\RTLthanks
8892 \null\vfil
8893 \vskip 60\p@
8894 \begin{center}%
8895 {\LARGE \@title \par}%
8896 \vskip 3em%
8897 {\large
8898 \lineskip .75em%
8899 \begin{tabular}[t]{c}%
8900 \author
8901 \end{tabular}\par}%
8902 \vskip 1.5em%
8903 {\large \@date \par}% % Set date in \large size.
8904 \end{center}\par
8905 \@thanks
8906 \vfil\null
8907 \end{titlepage}%
8908 \setcounter{footnote}{0}%
8909 \global\let\thanks\relax
8910 \global\let\LTRthanks\relax
8911 \global\let\RTLthanks\relax
8912 \global\let\maketitle\relax
8913 \global\let\@thanks\@empty
8914 \global\let\@author\@empty
8915 \global\let\@date\@empty
8916 \global\let\@title\@empty

```



```

8917 \global\let\title\relax
8918 \global\let\author\relax
8919 \global\let\date\relax
8920 \global\let\and\relax
8921 }
8922 \else
8923 \renewcommand\maketitle{\par
8924 \begin{group}
8925 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8926 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8927 \long\def\@makefntext##1{\parindent 1em\noindent
8928 \hb@xt@1.8em{%
8929 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8930 \if@twocolumn
8931 \ifnum \col@number=\@one
8932 \@maketitle
8933 \else
8934 \twocolumn[\@maketitle]%
8935 \fi
8936 \else
8937 \newpage
8938 \global\@topnum\z@ % Prevents figures from going at top of page.
8939 \@maketitle
8940 \fi
8941 \thispagestyle{plain}\@thanks
8942 \end{group}
8943 \setcounter{footnote}{0}%
8944 \global\let\thanks\relax
8945 \global\let\LTRthanks\relax
8946 \global\let\RTLthanks\relax
8947 \global\let\maketitle\relax
8948 \global\let\@maketitle\relax
8949 \global\let\@thanks\@empty
8950 \global\let\@author\@empty
8951 \global\let\@date\@empty
8952 \global\let\@title\@empty
8953 \global\let\title\relax
8954 \global\let\author\relax
8955 \global\let\date\relax
8956 \global\let\and\relax
8957 }
8958 \def\@maketitle{%
8959 \newpage
8960 \null
8961 \vskip 2em%
8962 \begin{center}%
8963 \let \footnote \thanks
8964 \let \LTRfootnote \LTRthanks
8965 \let \RTLfootnote \RTLthanks
8966 {\LARGE \@title \par}%
8967 \vskip 1.5em%
8968 {\large
8969 \lineskip .5em%
8970 \begin{tabular}[t]{c}%

```



```

8971         \@author
8972     \end{tabular}\par}%
8973     \vskip 1em%
8974     {\large \@date}%
8975 \end{center}%
8976 \par
8977 \vskip 1.5em}
8978 \fi
8979 \renewcommand*\l@part[2]{%
8980     \ifnum \c@tocdepth >-2\relax
8981         \addpenalty{-\@highpenalty}%
8982         \addvspace{2.25em \@plus\p@}%
8983         \begingroup
8984             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8985             \parfillskip -\@pnumwidth
8986             {\leavevmode
8987                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8988             \nobreak
8989             \global\@nobreaktrue
8990             \everypar{\global\@nobreakfalse\everypar{}}%
8991         \endgroup
8992     \fi}
8993 \renewcommand\theequation
8994     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8995 \renewcommand \thefigure
8996     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8997 \renewcommand \thetable
8998     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8999 \renewcommand \thechapter {\@arabic\c@chapter}
9000 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9001 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9002 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9003 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9004 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9005 \def\@makechapterhead#1{%
9006     \vspace*{50\p@}%
9007     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9008         \ifnum \c@secnumdepth >\m@ne
9009             \if@mainmatter
9010                 \huge\bfseries \@chapapp\space \thechapter
9011                 \par\nobreak
9012                 \vskip 20\p@
9013             \fi
9014         \fi
9015         \interlinepenalty\@M
9016         \Huge \bfseries #1\par\nobreak
9017         \vskip 40\p@
9018     }}
9019
9020 \def\@makeschapterhead#1{%
9021     \vspace*{50\p@}%
9022     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9023         \normalfont
9024         \interlinepenalty\@M

```



```

9025 \Huge \bfseries #1\par\nobreak
9026 \vskip 40\p@
9027 }}
9028 \renewcommand\backmatter{%
9029 \if@openright
9030 \cleardoublepage
9031 \else
9032 \clearpage
9033 \fi
9034 \@mainmatterfalse}
9035 \renewenvironment{thebibliography}[1]
9036 {\chapter*{\bibname
9037 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9038 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9039 \bidi@thebibliography@font@hook%
9040 \list{\@biblabel{\@arabic\c@enumiv}}%
9041 {\settowidth\labelwidth{\@biblabel{#1}}%
9042 \leftmargin\labelwidth
9043 \advance\leftmargin\labelsep
9044 \@openbib@code
9045 \usecounter{enumiv}%
9046 \let\p@enumiv\@empty
9047 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9048 \sloppy
9049 \clubpenalty4000
9050 \@clubpenalty \clubpenalty
9051 \widowpenalty4000%
9052 \sfcode\.\@m}
9053 {\def\@noitemerr
9054 {\@latex@warning{Empty `thebibliography' environment}}}%
9055 \endlist}

```

54 File extletter-xetex-bidi.def

```

9056 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
9057 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
9058 \thispagestyle{firstpage}%
9059 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
9060 \else % home address
9061 \thispagestyle{empty}%
9062 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignore
9063 \fromaddress \*[2\parskip]%
9064 \@date \end{tabular}\par}%
9065 \fi
9066 \vspace{2\parskip}%
9067 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
9068 \vspace{2\parskip}%
9069 #1\par\nobreak}
9070 \renewcommand\closing[1]{\par\nobreak\vspace{\parskip}%
9071 \stopbreaks
9072 \noindent
9073 \ifx\@empty\fromaddress\else
9074 \hspace*{\longindentation}\fi
9075 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi

```



```

9076      \ignorespaces #1\\[6\medskipamount]%
9077      \ifx\@empty\fromsig
9078        \fromname
9079      \else \fromsig \fi\strut}%
9080    \par}
9081 \renewcommand\left@footnoterule{%
9082   \kern-\p@
9083   \hrule \@width .4\columnwidth
9084   \kern .6\p@}
9085 \renewcommand\right@footnoterule{%
9086   \kern-\p@
9087   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9088   \kern .6\p@}

```

55 File extrafootnotefeatures-xetex-bidi.def

```

9089 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2018/10/11 v1.7 bidi extra footnote feat
9090 \newif\if@bidi@void@footins
9091 \newif\if@bidi@void@mpfootins
9092 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
9093 \if@bidi@csundef\ifHy@hyperfootnotes}{}%
9094 \if@bidi@csundef{HLTR@@LTRfootnotetext}{}%
9095 \ifHy@hyperfootnotes
9096   \let\@@H@@footnotetext\@footnotetext
9097   \let\@@HLTR@@LTRfootnotetext\@LTRfootnotetext
9098   \let\@@HRTL@@RTLfootnotetext\@RTLfootnotetext
9099   \let\@@H@@mpfootnotetext\@mpfootnotetext
9100   \let\@@HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
9101   \let\@@HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
9102 \fi
9103 }%
9104 }%
9105 }
9106 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
9107 \if@bidi@csundef\ifHy@hyperfootnotes}{}%
9108 \if@bidi@csundef{HLTR@@LTRfootnotetext}{}%
9109 \ifHy@hyperfootnotes
9110   \let\H@@footnotetext\@footnotetext
9111   \let\@footnotetext\@@H@@footnotetext
9112   \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
9113   \let\@LTRfootnotetext\@@HLTR@@LTRfootnotetext
9114   \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
9115   \let\@RTLfootnotetext\@@HRTL@@RTLfootnotetext
9116   \let\H@@mpfootnotetext\@mpfootnotetext
9117   \let\@mpfootnotetext\@@H@@mpfootnotetext
9118   \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
9119   \let\@mpLTRfootnotetext\@@HLTR@@mpLTRfootnotetext
9120   \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
9121   \let\@mpRTLfootnotetext\@@HRTL@@mpRTLfootnotetext
9122 \fi
9123 }%
9124 }%
9125 }
9126 \let\autofootnoterule\relax

```




```

9127 \let\rightfootnoterule\relax
9128 \let\leftfootnoterule\relax
9129 \let\textwidthfootnoterule\relax
9130 \let\LRfootnoterule\relax
9131 \def\footnoterule{\kern-3\p@
9132   \hrule \@width \columnwidth \kern 2.6\p@}
9133 \newcommand{\@preamnormalfmt}{%
9134   \parindent 1em%
9135   \noindent
9136 }
9137 \newcommand{\@normalfootfmt}[1]{%
9138   \@preamnormalfmt
9139   \footfootmark
9140   \rule{z@\footnotesep\ignorespaces{\foottextfont #1}%
9141     \@finalstrut\strutbox
9142 }
9143 \newcommand{\@normalRTLfootfmt}[1]{%
9144   \@preamnormalfmt
9145   \RTLfootfootmark
9146   \rule{z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
9147     \@finalstrut\strutbox
9148 }
9149 \newcommand{\@normalLTRfootfmt}[1]{%
9150   \@preamnormalfmt
9151   \LTRfootfootmark
9152   \rule{z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
9153     \@finalstrut\strutbox
9154 }
9155 \renewcommand{\@footnotetext}[1]{%
9156   \insert\footins{%
9157     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9158     \def\baselinestretch{\m@m@footnote@spacing}%
9159     \reset@font
9160     \foottextfont
9161     \@preamfntext
9162     \hsize\columnwidth
9163     \protected@edef\@currentlabel{%
9164       \csname p@footnote\endcsname\@thefnmark}%
9165     \color@begingroup
9166     \@normalfootfmt{#1}%
9167     \color@endgroup}%
9168     \m@m@f@prepare}
9169 \renewcommand{\@RTLfootnotetext}[1]{%
9170   \insert\footins{%
9171     \@RTLtrue%
9172     \def\baselinestretch{\m@m@footnote@spacing}%
9173     \reset@font
9174     \RTLfoottextfont
9175     \@preamfntext
9176     \hsize\columnwidth
9177     \protected@edef\@currentlabel{%
9178       \csname p@footnote\endcsname\@thefnmark}%
9179     \color@begingroup
9180     \@normalRTLfootfmt{#1}%

```



```

9181 \color@endgroup}%
9182 \m@mmf@prepare}
9183 \renewcommand{\@LTRfootnotetext}[1]{%
9184 \insert\footins{%
9185 \@RTLfalse%
9186 \def\baselinestretch{\m@m@footnote@spacing}%
9187 \reset@font
9188 \LTRfoottextfont
9189 \@preamfntext
9190 \hsize\columnwidth
9191 \protected@edef\@currentlabel{%
9192 \csname p@footnote\endcsname\@thefnmark}%
9193 \color@begingroup
9194 \@normalLTRfootfmt{#1}%
9195 \color@endgroup}%
9196 \m@mmf@prepare}
9197 \renewcommand{\@mpfootnotetext}[1]{%
9198 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9199 \unvbox\@mpfootins
9200 \def\baselinestretch{\m@m@footnote@spacing}%
9201 \reset@font%
9202 \foottextfont \hsize\columnwidth \@parboxrestore
9203 \protected@edef\@currentlabel{%
9204 \csname p@mpfootnote\endcsname\@thefnmark}%
9205 \color@begingroup
9206 \@normalfootfmt{#1}%
9207 \color@endgroup}}
9208 \renewcommand{\@mplTRfootnotetext}[1]{%
9209 \global\setbox\@mpfootins\vbox{\@RTLfalse%
9210 \unvbox\@mpfootins
9211 \def\baselinestretch{\m@m@footnote@spacing}%
9212 \reset@font%
9213 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
9214 \protected@edef\@currentlabel{%
9215 \csname p@mpfootnote\endcsname\@thefnmark}%
9216 \color@begingroup
9217 \@normalLTRfootfmt{#1}%
9218 \color@endgroup}}
9219 \renewcommand{\@mpRTLfootnotetext}[1]{%
9220 \global\setbox\@mpfootins\vbox{\@RTLtrue%
9221 \unvbox\@mpfootins
9222 \def\baselinestretch{\m@m@footnote@spacing}%
9223 \reset@font%
9224 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
9225 \protected@edef\@currentlabel{%
9226 \csname p@mpfootnote\endcsname\@thefnmark}%
9227 \color@begingroup
9228 \@normalRTLfootfmt{#1}%
9229 \color@endgroup}}
9230 \let\m@mold@footnotetext\@footnotetext
9231 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
9232 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
9233 \let\m@mold@mpfootnotetext\@mpfootnotetext
9234 \let\m@mold@mplTRfootnotetext\@mplTRfootnotetext

```



```

9235 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
9236 \bidi@ensure@newcommand{\normalfootnotes}{%
9237   \@bidi@before@Hy@hyperfootnotes
9238   \let\@footnotetext\m@mold@footnotetext
9239   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
9240   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
9241   \let\@mpfootnotetext\m@mold@mpfootnotetext
9242   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
9243   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
9244   \@bidi@after@Hy@hyperfootnotes
9245   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9246 }
9247 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
9248 \bidi@ensure@newcommand*\@RTLcolumnfootnotes{\@RTLcolumnfootnotestrue}
9249 \bidi@ensure@newcommand*\@LTRcolumnfootnotes{\@RTLcolumnfootnotesfalse}
9250 \bidi@ensure@newcommand*\@setSingleSpace}[1]{%
9251   \def\m@m@singlespace{#1}%
9252   \def\m@m@footnote@spacing{#1}%
9253   \def\m@m@float@spacing{#1} %
9254 }
9255 \setSingleSpace{1}
9256 \bidi@ensure@newcommand*\@multiplefootnotemarker}{3sp}
9257 \bidi@ensure@newcommand*\@mmf@prepare}{%
9258   \kern-\@multiplefootnotemarker
9259   \kern\@multiplefootnotemarker\relax}
9260 \bidi@ensure@newlength{\footmarkwidth}
9261 \bidi@ensure@newcommand*\@footmarkstyle}[1]{\def\footscript##1{#1}}
9262 \bidi@ensure@newcommand*\@LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
9263 \bidi@ensure@newcommand*\@RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
9264 \bidi@ensure@newcommand{\footfootmark}{%
9265   \ifdim\footmarkwidth < \z@
9266     \llap{\hb@xt@ -\footmarkwidth{%
9267       \hss\normalfont\footscript{\@thefnmark}}}%
9268     \hspace*{-\footmarkwidth}}%
9269   \else
9270     \ifdim\footmarkwidth = \z@
9271       {\normalfont\footscript{\@thefnmark}}%
9272     \else
9273       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
9274     \fi
9275   \fi}
9276 \bidi@ensure@newcommand{\LTRfootfootmark}{%
9277   \ifdim\footmarkwidth < \z@
9278     \llap{\hb@xt@ -\footmarkwidth{%
9279       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
9280     \hspace*{-\footmarkwidth}}%
9281   \else
9282     \ifdim\footmarkwidth = \z@
9283       {\normalfont\LTRfootscript{\@thefnmark}}%
9284     \else
9285       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
9286     \fi
9287   \fi}
9288 \bidi@ensure@newcommand{\RTLfootfootmark}{%

```



```

9289 \ifdim\footmarkwidth < \z@
9290 \llap{\hb@xt@ -\footmarkwidth{%
9291 \hss\normalfont\RTLfootscript{\@thefnmark}}}%
9292 \hspace*{-\footmarkwidth}}%
9293 \else
9294 \ifdim\footmarkwidth = \z@
9295 {\normalfont\RTLfootscript{\@thefnmark}}%
9296 \else
9297 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
9298 \fi
9299 \fi}
9300 \footmarkstyle{\textsuperscript{#1}}
9301 \LTRfootmarkstyle{\textsuperscript{#1}}
9302 \RTLfootmarkstyle{\textsuperscript{#1}}
9303 \newcommand*{\bidi@normal@footmarkwidth}{%
9304 \setlength{\footmarkwidth}{1em plus.4em minus.4em}%
9305 }
9306 \newcommand*{\bidi@star@footmarkwidth}{%
9307 \setlength{\footmarkwidth}{0em plus.4em minus.4em}%
9308 }
9309 \bidi@normal@footmarkwidth
9310 \bidi@ensure@newcommand{\m@mmdoextrafeet}{\extrafeetins}
9311 \bidi@ensure@newcommand*{\extrafeetins}{%
9312 \setbox\@outputbox \vbox{%
9313 \boxmaxdepth \@maxdepth
9314 \unvbox\@outputbox
9315 \ifvoid\footinsv@r
9316 \ifvoid\footinsv@l
9317 \else
9318 \@footstartv@l
9319 \@LTRfootgroupv@l
9320 \fi
9321 \else
9322 \@footstartv@r
9323 \@footgroupv@r
9324 \ifvoid\footinsv@l
9325 \else
9326 \@@footstart@@v@l
9327 \@LTRfootgroupv@l
9328 \fi
9329 \fi
9330 \ifvoid\@bidi@copyins@
9331 \else
9332 \vskip \skip\@bidi@copyins@
9333 \color@begingroup
9334 \normalcolor
9335 \unvbox \@bidi@copyins@
9336 \color@endgroup
9337 \fi
9338 \extrafeetinshook}}
9339 \bidi@ensure@newcommand{\extrafeetinshook}{%
9340 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
9341 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
9342 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}

```



```

9343 \bidi@ensure@newlength{\footinsdim}
9344 \setlength{\footinsdim}{8in} % standard for \dimen\footins
9345 \bidi@ensure@newcommand{\@preamfntext}{%
9346 \interlinepenalty\interfootnotelinepenalty
9347 \floatingpenalty \@MM
9348 \splittopskip=\footnotesep
9349 \splitmaxdepth=\dp\strutbox
9350 \@parboxrestore}
9351 \bidi@ensure@newcommand{\m@mndoextrafeetmini}{%
9352 \extrafeetminihook}
9353 \bidi@ensure@newcommand{\extrafeetendmini}{%
9354 \ifvoid\@mpfootinsv@r
9355 \ifvoid\@mpfootinsv@l
9356 \else
9357 \vskip\skip\@mpfootins
9358 \normalcolor
9359 \if@bidi@void@\@mpfootins
9360 \footnoterule
9361 \fi
9362 \mp@LTRfootgroupv@l
9363 \fi
9364 \else
9365 \vskip\skip\@mpfootins
9366 \normalcolor
9367 \if@bidi@void@\@mpfootins
9368 \footnoterule
9369 \fi
9370 \mp@footgroupv@r
9371 \ifvoid\@mpfootinsv@l
9372 \else
9373 \vskip\skip\@mpfootins
9374 \normalcolor\mp@LTRfootgroupv@l
9375 \fi
9376 \fi
9377 \extrafeetendminihook}
9378 \bidi@ensure@newcommand{\extrafeetendminihook}{}
9379 \bidi@ensure@newcommand{\m@mndoextrafeetendmini}{\extrafeetendmini}
9380 \def\endminipage{%
9381 \par
9382 \unskip
9383 \ifvoid\@mpfootins
9384 \global\@bidi@void@\@mpfootinstrue
9385 \else
9386 \global\@bidi@void@\@mpfootinsfalse
9387 \vskip\skip\@mpfootins
9388 \normalcolor
9389 \footnoterule
9390 \unvbox\@mpfootins
9391 \fi
9392 \m@mndoextrafeetendmini
9393 \@minipagefalse
9394 \color@endgroup
9395 \egroup
9396 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}

```



```

9397 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
9398   \@namedef{@footstart#1}{%
9399     \bidi@mopfn@bottom
9400     \leftskip=\z@
9401     \rightskip=\z@
9402     \parindent=\z@
9403     \vskip\skip\footins
9404     \footnoterule}}
9405 \newinsert\footinsv@r
9406 \skip\footinsv@r\bigskipamount
9407 \count\footinsv@r=1000 % no magnification
9408 \dimen\footinsv@r=\footinsdim
9409 \m@make@footstart{v@r}
9410 \newinsert\footinsv@l
9411 \skip\footinsv@l\bigskipamount
9412 \bidi@ensure@newcommand{\@footgroupv@r}{}
9413 \newinsert\@mpfootinsv@r
9414 \newinsert\@mpfootinsv@l
9415 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
9416 \newcount\m@m@k \newdimen\m@m@h
9417 \@ifpackageloaded{multicol}{%
9418 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9419   \hsize\textwidth
9420   @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9421     \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
9422 }{%
9423 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9424   @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9425     \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
9426 \bidi@ensure@newcommand*{\m@m@dosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
9427   \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
9428 \bidi@ensure@newcommand*{\m@m@splitoff}{\dimen0=\ht0
9429   \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
9430   \setbox2 \vsplit0 to \dimen0
9431   \unvbox2 }
9432 \bidi@ensure@newcommand{\twocolfootnotes}{%
9433   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9434   \@bidi@before@Hy@hyperfootnotes
9435   \let\@footnotetext\@twocolfootnotetext
9436   \let\@LTRfootnotetext\@twocolLTRfootnotetext
9437   \let\@RTLfootnotetext\@twocolRTLfootnotetext
9438   \dimen\footinsv@r=2\footinsdim
9439   \count\footinsv@r=500\relax
9440   \m@make@twocol@footgroup{v@r}%
9441   \let\@footgroupv@r\@twocol@footgroupv@r
9442   \let\@mpfootnotetext\@mptwocolfootnotetext
9443   \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
9444   \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
9445   \@bidi@after@Hy@hyperfootnotes
9446   \m@make@mptwocol@footgroup{v@r}%
9447   \let\mp@footgroupv@r\@mptwocol@footgroupv@r
9448   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9449 }
9450 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru

```



```

9451 \def\baselinestretch{\m@m@footnote@spacing}%
9452 \reset@font\foottextfont
9453 \@preamfntext
9454 \protected@edef\@currentlabel{%
9455   \csname p@footnote\endcsname\@thefnmark}%
9456 \color@begingroup
9457   \@twocolfootfmt{#1}%
9458 \color@endgroup}%
9459 \m@mmf@prepare}
9460 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9461 \def\baselinestretch{\m@m@footnote@spacing}%
9462 \reset@font\LTRfoottextfont
9463 \@preamfntext
9464 \protected@edef\@currentlabel{%
9465   \csname p@footnote\endcsname\@thefnmark}%
9466 \color@begingroup
9467   \@twocolLTRfootfmt{#1}%
9468 \color@endgroup}%
9469 \m@mmf@prepare}
9470 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9471 \def\baselinestretch{\m@m@footnote@spacing}%
9472 \reset@font\RTLfoottextfont
9473 \@preamfntext
9474 \protected@edef\@currentlabel{%
9475   \csname p@footnote\endcsname\@thefnmark}%
9476 \color@begingroup
9477   \@twocolRTLfootfmt{#1}%
9478 \color@endgroup}%
9479 \m@mmf@prepare}
9480 \bidi@ensure@newcommand{\@preamtwofmt}{%
9481 \hspace{.45\hspace}
9482 \parindent=\z@
9483 \tolerance=5000\relax
9484 \leavevmode}
9485 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
9486 \@preamtwofmt
9487 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9488 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
9489 \@preamtwofmt
9490 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9491 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
9492 \@preamtwofmt
9493 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9494 \bidi@ensure@newcommand{\@emptwocolfootnotetext}[1]{%
9495 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9496   \unvbox\@mpfootinsv@r
9497   \def\baselinestretch{\m@m@footnote@spacing}%
9498   \reset@font\foottextfont
9499   \hspace\columnwidth \@parboxrestore
9500   \protected@edef\@currentlabel{%
9501     \csname p@mpfootnote\endcsname\@thefnmark}%
9502   \color@begingroup
9503     \@twocolfootfmt{#1}%
9504   \color@endgroup}%

```



```

9505 \m@mmf@prepare}
9506 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
9507 \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
9508 \unvbox\@mpfootinsv\@r
9509 \def\baselinestretch{\m@m@footnote@spacing}%
9510 \reset@font\LTRfoottextfont
9511 \hsize\columnwidth \@parboxrestore
9512 \if@RTLcolumnfootnotes\beginL\fi
9513 \protected@edef\@currentlabel{%
9514 \csname p@mpfootnote\endcsname\@thefnmark}%
9515 \color@begingroup
9516 \@twocolLTRfootfmt{#1}%
9517 \color@endgroup}%
9518 \m@mmf@prepare}
9519 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
9520 \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
9521 \unvbox\@mpfootinsv\@r
9522 \def\baselinestretch{\m@m@footnote@spacing}%
9523 \reset@font\RTLfoottextfont
9524 \hsize\columnwidth \@parboxrestore
9525 \protected@edef\@currentlabel{%
9526 \csname p@mpfootnote\endcsname\@thefnmark}%
9527 \color@begingroup
9528 \@twocolRTLfootfmt{#1}%
9529 \color@endgroup}%
9530 \m@mmf@prepare}
9531 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
9532 \@namedef{\twocol@footgroup#1}{%
9533 \def\baselinestretch{\m@m@footnote@spacing}%
9534 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9535 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
9536 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
9537 \@namedef{\mptwocol@footgroup#1}{%
9538 \def\baselinestretch{\m@m@footnote@spacing}%
9539 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9540 \m@mrigidbalance{\@nameuse{\mpfootins#1}}{\tw@}{\splittopskip}}}%
9541 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
9542 \@namedef{foottextfontv@r}{\foottextfont}% \[RS]
9543 \@bidi@before@Hy@hyperfootnotes
9544 \let\@footnotetext\@threecolfootnotetext
9545 \let\@LTRfootnotetext\@threecolLTRfootnotetext
9546 \let\@RTLfootnotetext\@threecolRTLfootnotetext
9547 \dimen\footinsv@r=3\footinsdim
9548 \count\footinsv@r=333\relax
9549 \m@make@threecol@footgroup{v@r}%
9550 \let\@footgroupv@r\@threecol@footgroupv@r
9551 \let\@mpfootnotetext\@mpthreecolfootnotetext
9552 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
9553 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
9554 \@bidi@after@Hy@hyperfootnotes
9555 \m@make@mpthreecol@footgroup{v@r}%
9556 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
9557 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9558 }

```




```

9559 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
9560 \def\baselinestretch{\m@m@footnote@spacing}%
9561 \reset@font\foottextfont
9562 \@preamfntext
9563 \protected@edef\@currentlabel{%
9564 \csname p@footnote\endcsname\@thefnmark}%
9565 \color@begingroup
9566 \@threecolfootfmt{#1}%
9567 \color@endgroup}\m@mmf@prepare}
9568 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
9569 \def\baselinestretch{\m@m@footnote@spacing}%
9570 \reset@font\LTRfoottextfont
9571 \@preamfntext
9572 \protected@edef\@currentlabel{%
9573 \csname p@footnote\endcsname\@thefnmark}%
9574 \color@begingroup
9575 \@threecolLTRfootfmt{#1}%
9576 \color@endgroup}\m@mmf@prepare}
9577 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9578 \def\baselinestretch{\m@m@footnote@spacing}%
9579 \reset@font\RTLfoottextfont
9580 \@preamfntext
9581 \protected@edef\@currentlabel{%
9582 \csname p@footnote\endcsname\@thefnmark}%
9583 \color@begingroup
9584 \@threecolRTLfootfmt{#1}%
9585 \color@endgroup}\m@mmf@prepare}
9586 \bidi@ensure@newcommand{\@preamthreefmt}{%
9587 \hsize .3\hsize
9588 \parindent=\z@
9589 \tolerance=5000\relax
9590 \leavevmode}
9591 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9592 \@preamthreefmt
9593 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9594 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9595 \@preamthreefmt
9596 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9597 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9598 \@preamthreefmt
9599 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9600 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
9601 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9602 \unvbox\@mpfootinsv@r
9603 \def\baselinestretch{\m@m@footnote@spacing}%
9604 \reset@font\foottextfont
9605 \hsize\columnwidth \@parboxrestore
9606 \protected@edef\@currentlabel{%
9607 \csname p@mpfootnote\endcsname\@thefnmark}%
9608 \color@begingroup
9609 \@threecolfootfmt{#1}%
9610 \color@endgroup}\m@mmf@prepare}
9611 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9612 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%

```



```

9613 \unvbox\@mpfootinsv@r
9614 \def\baselinestretch{\m@m@footnote@spacing}%
9615 \reset@font\LTRfoottextfont
9616 \hsize\columnwidth \@parboxrestore
9617 \if@RTLcolumnfootnotes\beginL\fi
9618 \protected@edef\@currentlabel{%
9619 \csname p@mpfootnote\endcsname\@thefnmark}%
9620 \color@begingroup
9621 \@threecolLTRfootfmt{#1}%
9622 \color@endgroup}\m@mmf@prepare}
9623 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
9624 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9625 \unvbox\@mpfootinsv@r
9626 \def\baselinestretch{\m@m@footnote@spacing}%
9627 \reset@font\RTLfoottextfont
9628 \hsize\columnwidth \@parboxrestore
9629 \protected@edef\@currentlabel{%
9630 \csname p@mpfootnote\endcsname\@thefnmark}%
9631 \color@begingroup
9632 \@threecolRTLfootfmt{#1}%
9633 \color@endgroup}\m@mmf@prepare}
9634 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9635 \@namedef{\@threecol@footgroup#1}{%
9636 \def\baselinestretch{\m@m@footnote@spacing}%
9637 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9638 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
9639 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9640 \@namedef{\@mpthreecol@footgroup#1}{%
9641 \def\baselinestretch{\m@m@footnote@spacing}%
9642 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9643 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{\thr@@}{\splittopskip}}}}
9644 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9645 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9646 \@bidi@before@Hy@hyperfootnotes
9647 \let\@footnotetext\@fourcolfootnotetext
9648 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9649 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9650 \dimen\footinsv@r=4\footinsdim
9651 \count\footinsv@r=250\relax
9652 \m@make@fourcol@footgroup{v@r}%
9653 \let\@footgroupv@r\@fourcol@footgroupv@r
9654 \let\@mpfootnotetext\@mpfourcolfootnotetext
9655 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9656 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9657 \@bidi@after@Hy@hyperfootnotes
9658 \m@make@mpfourcol@footgroup{v@r}%
9659 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
9660 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9661 }
9662 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9663 \def\baselinestretch{\m@m@footnote@spacing}%
9664 \reset@font\foottextfont
9665 \@preamfntext
9666 \protected@edef\@currentlabel{%

```



```

9667 \csname p@footnote\endcsname\@thefnmark}%
9668 \color@begingroup
9669 \@fourcolfootfmt{#1}%
9670 \color@endgroup}%
9671 \m@mmf@prepare}
9672 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9673 \def\baselinestretch{\m@m@footnote@spacing}%
9674 \reset@font\LTRfoottextfont
9675 \@preamfntext
9676 \protected@edef\@currentlabel{%
9677 \csname p@footnote\endcsname\@thefnmark}%
9678 \color@begingroup
9679 \@fourcolLTRfootfmt{#1}%
9680 \color@endgroup}%
9681 \m@mmf@prepare}
9682 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9683 \def\baselinestretch{\m@m@footnote@spacing}%
9684 \reset@font\RTLfoottextfont
9685 \@preamfntext
9686 \protected@edef\@currentlabel{%
9687 \csname p@footnote\endcsname\@thefnmark}%
9688 \color@begingroup
9689 \@fourcolRTLfootfmt{#1}%
9690 \color@endgroup}%
9691 \m@mmf@prepare}
9692 \bidi@ensure@newcommand{\@preamfourfmt}{%
9693 \hspace .25\hspace
9694 \parindent=\z@
9695 \tolerance=5000\relax
9696 \leavevmode}
9697 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9698 \@preamfourfmt
9699 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9700 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9701 \@preamfourfmt
9702 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9703 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9704 \@preamfourfmt
9705 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9706 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9707 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9708 \unvbox\@mpfootinsv@r
9709 \def\baselinestretch{\m@m@footnote@spacing}%
9710 \reset@font\foottextfont
9711 \hspace\columnwidth \@parboxrestore
9712 \protected@edef\@currentlabel{%
9713 \csname p@mpfootnote\endcsname\@thefnmark}%
9714 \color@begingroup
9715 \@fourcolfootfmt{#1}%
9716 \color@endgroup}%
9717 \m@mmf@prepare}
9718 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9719 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9720 \unvbox\@mpfootinsv@r

```



```

9721 \def\baselinestretch{\m@m@footnote@spacing}%
9722 \reset@font\LTRfoottextfont
9723 \hsize\columnwidth \@parboxrestore
9724 \if@RTLcolumnfootnotes\beginL\fi
9725 \protected@edef\@currentlabel{%
9726 \csname p@mpfootnote\endcsname\@thefnmark}%
9727 \color@begingroup
9728 \@fourcolLTRfootfmt{#1}%
9729 \color@endgroup}%
9730 \m@m@mmf@prepare}
9731 \bidi@ensure@newcommand{\m@mpfourcolRTLfootnotetext}[1]{%
9732 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9733 \unvbox\@mpfootinsv@r
9734 \def\baselinestretch{\m@m@footnote@spacing}%
9735 \reset@font\RTLfoottextfont
9736 \hsize\columnwidth \@parboxrestore
9737 \protected@edef\@currentlabel{%
9738 \csname p@mpfootnote\endcsname\@thefnmark}%
9739 \color@begingroup
9740 \@fourcolRTLfootfmt{#1}%
9741 \color@endgroup}%
9742 \m@m@mmf@prepare}
9743 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9744 \@namedef{\@fourcol@footgroup#1}{%
9745 \def\baselinestretch{\m@m@footnote@spacing}%
9746 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9747 \m@m@rigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
9748 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9749 \@namedef{\@mpfourcol@footgroup#1}{%
9750 \def\baselinestretch{\m@m@footnote@spacing}%
9751 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9752 \m@m@rigidbalance{\@nameuse{\@mpfootins#1}}{4}{\splittopskip}}}}
9753 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9754 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9755 \@bidi@before@Hy@hyperfootnotes
9756 \let\@footnotetext\@fivecolfootnotetext
9757 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9758 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9759 \dimen\footinsv@r=5\footinsdim
9760 \count\footinsv@r=200\relax
9761 \m@make@fivecol@footgroup{v@r}%
9762 \let\@footgroupv@r\@fivecol@footgroupv@r
9763 \let\@mpfootnotetext\@mpfivecolfootnotetext
9764 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9765 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9766 \@bidi@after@Hy@hyperfootnotes
9767 \m@make@mpfivecol@footgroup{v@r}%
9768 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
9769 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9770 }
9771 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9772 \def\baselinestretch{\m@m@footnote@spacing}%
9773 \reset@font\foottextfont
9774 \@preamfntext

```



```

9775 \protected@edef\@currentlabel{%
9776   \csname p@footnote\endcsname\@thefnmark}%
9777 \color@begingroup
9778   \@fivecolfootfmt{#1}%
9779 \color@endgroup}%
9780 \m@mmf@prepare}
9781 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9782 \def\baselinestretch{\m@m@footnote@spacing}%
9783 \reset@font\LTRfoottextfont
9784 \@preamfntext
9785 \protected@edef\@currentlabel{%
9786   \csname p@footnote\endcsname\@thefnmark}%
9787 \color@begingroup
9788   \@fivecolLTRfootfmt{#1}%
9789 \color@endgroup}%
9790 \m@mmf@prepare}
9791 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9792 \def\baselinestretch{\m@m@footnote@spacing}%
9793 \reset@font\RTLfoottextfont
9794 \@preamfntext
9795 \protected@edef\@currentlabel{%
9796   \csname p@footnote\endcsname\@thefnmark}%
9797 \color@begingroup
9798   \@fivecolRTLfootfmt{#1}%
9799 \color@endgroup}%
9800 \m@mmf@prepare}
9801 \bidi@ensure@newcommand{\@preamfivefmt}{%
9802   \hspace{.2\hspace}
9803   \parindent=\z@
9804   \tolerance=5000\relax
9805   \leavevmode}
9806 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9807   \@preamfivefmt
9808   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9809 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9810   \@preamfivefmt
9811   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9812 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9813   \@preamfivefmt
9814   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9815 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9816   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9817     \unvbox\@mpfootinsv@r
9818     \def\baselinestretch{\m@m@footnote@spacing}%
9819     \reset@font\foottextfont
9820     \hspace\columnwidth \@parboxrestore
9821     \protected@edef\@currentlabel{%
9822       \csname p@mpfootnote\endcsname\@thefnmark}%
9823     \color@begingroup
9824       \@fivecolfootfmt{#1}%
9825     \color@endgroup}%
9826     \m@mmf@prepare}
9827 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9828   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%

```



```

9829 \unvbox\@mpfootinsv@r
9830 \def\baselinestretch{\m@m@footnote@spacing}%
9831 \reset@font\LTRfoottextfont
9832 \hsize\columnwidth \@parboxrestore
9833 \if@RTLcolumnfootnotes\beginL\fi
9834 \protected@edef\@currentlabel{%
9835 \csname p@mpfootnote\endcsname\@thefnmark}%
9836 \color@begingroup
9837 \@fivecolLTRfootfmt{#1}%
9838 \color@endgroup}%
9839 \m@mmf@prepare}
9840 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9841 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9842 \unvbox\@mpfootinsv@r
9843 \def\baselinestretch{\m@m@footnote@spacing}%
9844 \reset@font\RTLfoottextfont
9845 \hsize\columnwidth \@parboxrestore
9846 \protected@edef\@currentlabel{%
9847 \csname p@mpfootnote\endcsname\@thefnmark}%
9848 \color@begingroup
9849 \@fivecolRTLfootfmt{#1}%
9850 \color@endgroup}%
9851 \m@mmf@prepare}
9852 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9853 \@namedef{\@fivecol@footgroup#1}{%
9854 \def\baselinestretch{\m@m@footnote@spacing}%
9855 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9856 \m@r@rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
9857 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9858 \@namedef{\@mpfivecol@footgroup#1}{%
9859 \def\baselinestretch{\m@m@footnote@spacing}%
9860 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9861 \m@r@rigidbalance{\@nameuse{\@mpfootins#1}}{5}{\splittopskip}}}%
9862 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9863 \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
9864 \@bidi@before@Hy@hyperfootnotes
9865 \let\@footnotetext\@sixcolfootnotetext
9866 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9867 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9868 \dimen\footinsv@r=6\footinsdim
9869 \count\footinsv@r=166\relax
9870 \m@make@sixcol@footgroup{v@r}%
9871 \let\@footgroupv@r\@sixcol@footgroupv@r
9872 \let\@mpfootnotetext\@mpsixcolfootnotetext
9873 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9874 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9875 \@bidi@after@Hy@hyperfootnotes
9876 \m@make@mpsixcol@footgroup{v@r}%
9877 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
9878 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9879 }
9880 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9881 \def\baselinestretch{\m@m@footnote@spacing}%
9882 \reset@font\foottextfont

```



```

9883 \@preamfntext
9884 \protected@edef\@currentlabel{%
9885   \csname p@footnote\endcsname\@thefnmark}%
9886 \color@begingroup
9887   \@sixcolfootfmt{#1}%
9888 \color@endgroup}%
9889 \m@mmf@prepare}
9890 \bidi@ensure@newcommand{\@sixcollTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9891   \def\baselinestretch{\m@m@footnote@spacing}%
9892   \reset@font\LTRfoottextfont
9893   \@preamfntext
9894   \protected@edef\@currentlabel{%
9895     \csname p@footnote\endcsname\@thefnmark}%
9896   \color@begingroup
9897     \@sixcollTRfootfmt{#1}%
9898   \color@endgroup}%
9899   \m@mmf@prepare}
9900 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9901   \def\baselinestretch{\m@m@footnote@spacing}%
9902   \reset@font\RTLfoottextfont
9903   \@preamfntext
9904   \protected@edef\@currentlabel{%
9905     \csname p@footnote\endcsname\@thefnmark}%
9906   \color@begingroup
9907     \@sixcolRTLfootfmt{#1}%
9908   \color@endgroup}%
9909   \m@mmf@prepare}
9910 \bidi@ensure@newcommand{\@preamsixfmt}{%
9911   \hsize .16\hsize
9912   \parindent=\z@
9913   \tolerance=5000\relax
9914   \leavevmode}
9915 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9916   \@preamsixfmt
9917   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9918 \bidi@ensure@newcommand{\@sixcollTRfootfmt}[1]{%
9919   \@preamsixfmt
9920   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9921 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9922   \@preamsixfmt
9923   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9924 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9925   \global\setbox\@mpfootinsv@r\vbox{%
9926     \unvbox\@mpfootinsv@r
9927     \def\baselinestretch{\m@m@footnote@spacing}%
9928     \reset@font\foottextfont
9929     \hsize\columnwidth \@parboxrestore
9930     \protected@edef\@currentlabel{%
9931       \csname p@mpfootnote\endcsname\@thefnmark}%
9932     \color@begingroup
9933       \@sixcolfootfmt{#1}%
9934     \color@endgroup}%
9935     \m@mmf@prepare}
9936 \bidi@ensure@newcommand{\@mpsixcollTRfootnotetext}[1]{\@RTLfalse%

```




```

9937 \global\setbox\@mpfootinsv\@vbox{%
9938   \unvbox\@mpfootinsv
9939   \def\baselinestretch{\m@mpfootnote@spacing}%
9940   \reset@font\LTRfoottextfont
9941   \hsize\columnwidth \@parboxrestore
9942   \if@RTLcolumnfootnotes\beginL\fi
9943   \protected@edef\@currentlabel{%
9944     \csname p@mpfootnote\endcsname\@thefnmark}%
9945   \color@begingroup
9946     \@sixcolLTRfootfmt{#1}%
9947   \color@endgroup}%
9948   \m@mmf@prepare}
9949 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
9950   \global\setbox\@mpfootinsv\@vbox{%
9951     \unvbox\@mpfootinsv
9952     \def\baselinestretch{\m@mpfootnote@spacing}%
9953     \reset@font\RTLfoottextfont
9954     \hsize\columnwidth \@parboxrestore
9955     \protected@edef\@currentlabel{%
9956       \csname p@mpfootnote\endcsname\@thefnmark}%
9957     \color@begingroup
9958       \@sixcolRTLfootfmt{#1}%
9959     \color@endgroup}%
9960     \m@mmf@prepare}
9961 \bidi@ensure@newcommand{\@make@sixcol@footgroup}[1]{%
9962   \@namedef{\@sixcol@footgroup#1}{%
9963     \def\baselinestretch{\m@mpfootnote@spacing}%
9964     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9965     \m@mrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
9966 \bidi@ensure@newcommand{\@make@mpsixcol@footgroup}[1]{%
9967   \@namedef{\@mpsixcol@footgroup#1}{%
9968     \def\baselinestretch{\m@mpfootnote@spacing}%
9969     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9970     \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{6}{\splittopskip}}}%
9971 \bidi@ensure@newcommand{\@sevendcolumnfootnotes}{%
9972   \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
9973   \@bidi@before@Hy@hyperfootnotes
9974   \let\@footnotetext\@sevendcolfootnotetext
9975   \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9976   \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9977   \dimen\footinsv@r=7\footinsdim
9978   \count\footinsv@r=142\relax
9979   \m@make@sevendcol@footgroup{v@r}%
9980   \let\@footgroupv@r\@sevendcol@footgroupv@r
9981   \let\@mpfootnotetext\@mpsevendcolfootnotetext
9982   \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9983   \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9984   \@bidi@after@Hy@hyperfootnotes
9985   \m@make@mpsevendcol@footgroup{v@r}%
9986   \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
9987   \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9988 }
9989 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL
9990   \def\baselinestretch{\m@mpfootnote@spacing}%

```




```

9991 \reset@font\foottextfont
9992 \@preamfntext
9993 \protected@edef\@currentlabel{%
9994     \csname p@footnote\endcsname\@thefnmark}%
9995 \color@begingroup
9996     \@sevenscolfootfmt{#1}%
9997 \color@endgroup}%
9998 \m@mmf@prepare}
9999 \bidi@ensure@newcommand{\@sevenscolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
10000 \def\baselinestretch{\m@m@footnote@spacing}%
10001 \reset@font\LTRfoottextfont
10002 \@preamfntext
10003 \protected@edef\@currentlabel{%
10004     \csname p@footnote\endcsname\@thefnmark}%
10005 \color@begingroup
10006     \@sevenscolLTRfootfmt{#1}%
10007 \color@endgroup}%
10008 \m@mmf@prepare}
10009 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10010 \def\baselinestretch{\m@m@footnote@spacing}%
10011 \reset@font\RTLfoottextfont
10012 \@preamfntext
10013 \protected@edef\@currentlabel{%
10014     \csname p@footnote\endcsname\@thefnmark}%
10015 \color@begingroup
10016     \@sevenscolRTLfootfmt{#1}%
10017 \color@endgroup}%
10018 \m@mmf@prepare}
10019 \bidi@ensure@newcommand{\@preamsevenfmt}{%
10020 \hspace{.142\hspace}
10021 \parindent=\z@
10022 \tolerance=5000\relax
10023 \leavevmode}
10024 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
10025 \@preamsevenfmt
10026 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10027 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
10028 \@preamsevenfmt
10029 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10030 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
10031 \@preamsevenfmt
10032 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10033 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse}
10034 \global\setbox\@mpfootinsv@r\vbox{%
10035     \unvbox\@mpfootinsv@r
10036     \def\baselinestretch{\m@m@footnote@spacing}%
10037     \reset@font\foottextfont
10038     \hspace\columnwidth \@parboxrestore
10039     \protected@edef\@currentlabel{%
10040         \csname p@mpfootnote\endcsname\@thefnmark}%
10041     \color@begingroup
10042         \@sevenscolfootfmt{#1}%
10043     \color@endgroup}%
10044     \m@mmf@prepare}

```



```

10045 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{\@RTLfalse%
10046 \global\setbox\@mpfootinsv@r\vbox{%
10047 \unvbox\@mpfootinsv@r
10048 \def\baselinestretch{\m@m@footnote@spacing}%
10049 \reset@font\LTRfoottextfont
10050 \hsize\columnwidth \@parboxrestore
10051 \if@RTLcolumnfootnotes\beginL\fi
10052 \protected@edef\@currentlabel{%
10053 \csname p@mpfootnote\endcsname\@thefnmark}%
10054 \color@begingroup
10055 \@sevencolLTRfootfmt{#1}%
10056 \color@endgroup}%
10057 \m@m@prepare}
10058 \bidi@ensure@newcommand{\@mpsevencolRTLfootnotetext}[1]{\@RTLtrue%
10059 \global\setbox\@mpfootinsv@r\vbox{%
10060 \unvbox\@mpfootinsv@r
10061 \def\baselinestretch{\m@m@footnote@spacing}%
10062 \reset@font\RTLfoottextfont
10063 \hsize\columnwidth \@parboxrestore
10064 \protected@edef\@currentlabel{%
10065 \csname p@mpfootnote\endcsname\@thefnmark}%
10066 \color@begingroup
10067 \@sevencolRTLfootfmt{#1}%
10068 \color@endgroup}%
10069 \m@m@prepare}
10070 \bidi@ensure@newcommand{\m@make@sevencol@footgroup}[1]{%
10071 \namedef{\@sevencol@footgroup#1}{%
10072 \def\baselinestretch{\m@m@footnote@spacing}%
10073 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10074 \m@m@rigidbalance{\nameuse{footins#1}}{7}{\splittopskip}}}%
10075 \bidi@ensure@newcommand{\m@make@mpsevencol@footgroup}[1]{%
10076 \namedef{\@mpsevencol@footgroup#1}{%
10077 \def\baselinestretch{\m@m@footnote@spacing}%
10078 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10079 \m@m@rigidbalance{\nameuse{\@mpfootins#1}}{7}{\splittopskip}}}%
10080 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
10081 \namedef{\foottextfontv@r}{\foottextfont}% \[RS]
10082 \@bidi@before@Hy@hyperfootnotes
10083 \let\@footnotetext\@eightcolfootnotetext
10084 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
10085 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
10086 \dimen\footinsv@r=8\footinsdim
10087 \count\footinsv@r=125\relax
10088 \m@make@eightcol@footgroup{v@r}%
10089 \let\@footgroupv@r\@eightcol@footgroupv@r
10090 \let\@mpfootnotetext\@mpeightcolfootnotetext
10091 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
10092 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
10093 \@bidi@after@Hy@hyperfootnotes
10094 \m@make@mpeightcol@footgroup{v@r}%
10095 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
10096 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10097 }
10098 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTL

```



```

10099 \def\baselinestretch{\m@m@footnote@spacing}%
10100 \reset@font\foottextfont
10101 \@preamfntext
10102 \protected@edef\@currentlabel{%
10103   \csname p@footnote\endcsname\@thefnmark}%
10104 \color@begingroup
10105   \@eightcolfootfmt{#1}%
10106 \color@endgroup}%
10107 \m@mmf@prepare}
10108 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootno
10109 \def\baselinestretch{\m@m@footnote@spacing}%
10110 \reset@font\LTRfoottextfont
10111 \@preamfntext
10112 \protected@edef\@currentlabel{%
10113   \csname p@footnote\endcsname\@thefnmark}%
10114 \color@begingroup
10115   \@eightcolLTRfootfmt{#1}%
10116 \color@endgroup}%
10117 \m@mmf@prepare}
10118 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10119 \def\baselinestretch{\m@m@footnote@spacing}%
10120 \reset@font\RTLfoottextfont
10121 \@preamfntext
10122 \protected@edef\@currentlabel{%
10123   \csname p@footnote\endcsname\@thefnmark}%
10124 \color@begingroup
10125   \@eightcolRTLfootfmt{#1}%
10126 \color@endgroup}%
10127 \m@mmf@prepare}
10128 \bidi@ensure@newcommand{\@preameightfmt}{%
10129   \hspace{.125\hspace}
10130   \parindent=\z@
10131   \tolerance=5000\relax
10132   \leavevmode}
10133 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
10134   \@preameightfmt
10135   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10136 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
10137   \@preameightfmt
10138   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10139 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
10140   \@preameightfmt
10141   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10142 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
10143   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10144     \unvbox\@mpfootinsv@r
10145     \def\baselinestretch{\m@m@footnote@spacing}%
10146     \reset@font\foottextfont
10147     \hspace\columnwidth \@parboxrestore
10148     \protected@edef\@currentlabel{%
10149       \csname p@mpfootnote\endcsname\@thefnmark}%
10150     \color@begingroup
10151       \@eightcolfootfmt{#1}%
10152     \color@endgroup}%

```



```

10153 \m@mmf@prepare}
10154 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
10155 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10156 \unvbox\@mpfootinsv@r
10157 \def\baselinestretch{\m@m@footnote@spacing}%
10158 \reset@font\LTRfoottextfont
10159 \hsize\columnwidth \@parboxrestore
10160 \if@RTLcolumnfootnotes\beginL\fi
10161 \protected@edef\@currentlabel{%
10162 \csname p@mpfootnote\endcsname\@thefnmark}%
10163 \color@begingroup
10164 \eightcolLTRfootfmt{#1}%
10165 \color@endgroup}%
10166 \m@mmf@prepare}
10167 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
10168 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10169 \unvbox\@mpfootinsv@r
10170 \def\baselinestretch{\m@m@footnote@spacing}%
10171 \reset@font\RTLfoottextfont
10172 \hsize\columnwidth \@parboxrestore
10173 \protected@edef\@currentlabel{%
10174 \csname p@mpfootnote\endcsname\@thefnmark}%
10175 \color@begingroup
10176 \eightcolRTLfootfmt{#1}%
10177 \color@endgroup}%
10178 \m@mmf@prepare}
10179 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
10180 \@namedef{@eightcol@footgroup#1}{%
10181 \def\baselinestretch{\m@m@footnote@spacing}%
10182 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10183 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
10184 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
10185 \@namedef{@mpeightcol@footgroup#1}{%
10186 \def\baselinestretch{\m@m@footnote@spacing}%
10187 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10188 \m@mrigidbalance{\@nameuse{mpfootins#1}}{8}{\splittopskip}}}%
10189 \bidi@ensure@newcommand{\necolumnfootnotes}{%
10190 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10191 \@bidi@before@Hy@hyperfootnotes
10192 \let\@footnotetext\@necolfootnotetext
10193 \let\@LTRfootnotetext\@necolLTRfootnotetext
10194 \let\@RTLfootnotetext\@necolRTLfootnotetext
10195 \dimen\footinsv@r=9\footinsdim
10196 \count\footinsv@r=111\relax
10197 \m@make@necol@footgroup{v@r}%
10198 \let\@footgroupv@r\@necol@footgroupv@r
10199 \let\@mpfootnotetext\@mpnecolfootnotetext
10200 \let\@mpLTRfootnotetext\@mpnecolLTRfootnotetext
10201 \let\@mpRTLfootnotetext\@mpnecolRTLfootnotetext
10202 \@bidi@after@Hy@hyperfootnotes
10203 \m@make@mpnecol@footgroup{v@r}%
10204 \let\mp@footgroupv@r\@mpnecol@footgroupv@r
10205 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10206 }

```



```

10207 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
10208 \def\baselinestretch{\m@m@footnote@spacing}%
10209 \reset@font\foottextfont
10210 \@preamfntext
10211 \protected@edef\@currentlabel{%
10212 \csname p@footnote\endcsname\@thefnmark}%
10213 \color@begingroup
10214 \@ninecolfootfmt{#1}%
10215 \color@endgroup}%
10216 \m@mmf@prepare}
10217 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
10218 \def\baselinestretch{\m@m@footnote@spacing}%
10219 \reset@font\LTRfoottextfont
10220 \@preamfntext
10221 \protected@edef\@currentlabel{%
10222 \csname p@footnote\endcsname\@thefnmark}%
10223 \color@begingroup
10224 \@ninecolLTRfootfmt{#1}%
10225 \color@endgroup}%
10226 \m@mmf@prepare}
10227 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10228 \def\baselinestretch{\m@m@footnote@spacing}%
10229 \reset@font\RTLfoottextfont
10230 \@preamfntext
10231 \protected@edef\@currentlabel{%
10232 \csname p@footnote\endcsname\@thefnmark}%
10233 \color@begingroup
10234 \@ninecolRTLfootfmt{#1}%
10235 \color@endgroup}%
10236 \m@mmf@prepare}
10237 \bidi@ensure@newcommand{\@preamninefmt}{%
10238 \hspace{.1\hspace}
10239 \parindent=\z@
10240 \tolerance=5000\relax
10241 \leavevmode}
10242 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
10243 \@preamninefmt
10244 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10245 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
10246 \@preamninefmt
10247 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10248 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
10249 \@preamninefmt
10250 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10251 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
10252 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10253 \unvbox\@mpfootinsv@r
10254 \def\baselinestretch{\m@m@footnote@spacing}%
10255 \reset@font\foottextfont
10256 \hspace\columnwidth \@parboxrestore
10257 \protected@edef\@currentlabel{%
10258 \csname p@mpfootnote\endcsname\@thefnmark}%
10259 \color@begingroup
10260 \@ninecolfootfmt{#1}%

```



```

10261 \color@endgroup}%
10262 \m@mmf@prepare}
10263 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
10264 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10265 \unvbox\@mpfootinsv@r
10266 \def\baselinestretch{\m@m@footnote@spacing}%
10267 \reset@font\LTRfoottextfont
10268 \hsize\columnwidth \@parboxrestore
10269 \if@RTLcolumnfootnotes\beginL\fi
10270 \protected@edef\@currentlabel{%
10271 \csname p@mpfootnote\endcsname\@thefnmark}%
10272 \color@begingroup
10273 \@ninecolLTRfootfmt{#1}%
10274 \color@endgroup}%
10275 \m@mmf@prepare}
10276 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
10277 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10278 \unvbox\@mpfootinsv@r
10279 \def\baselinestretch{\m@m@footnote@spacing}%
10280 \reset@font\RTLfoottextfont
10281 \hsize\columnwidth \@parboxrestore
10282 \protected@edef\@currentlabel{%
10283 \csname p@mpfootnote\endcsname\@thefnmark}%
10284 \color@begingroup
10285 \@ninecolRTLfootfmt{#1}%
10286 \color@endgroup}%
10287 \m@mmf@prepare}
10288 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
10289 \@namedef{\@ninecol@footgroup#1}{%
10290 \def\baselinestretch{\m@m@footnote@spacing}%
10291 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10292 \m@mrigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
10293 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
10294 \@namedef{\@mpninecol@footgroup#1}{%
10295 \def\baselinestretch{\m@m@footnote@spacing}%
10296 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10297 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{9}{\splittopskip}}}%
10298 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
10299 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10300 \@bidi@before@Hy@hyperfootnotes
10301 \let\@footnotetext\@tencolfootnotetext
10302 \let\@LTRfootnotetext\@tencolLTRfootnotetext
10303 \let\@RTLfootnotetext\@tencolRTLfootnotetext
10304 \dimen\footinsv@r=10\footinsdim
10305 \count\footinsv@r=100\relax
10306 \m@make@tencol@footgroup{v@r}%
10307 \let\@footgroupv@r\@tencol@footgroupv@r
10308 \let\@mpfootnotetext\@mptencolfootnotetext
10309 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
10310 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
10311 \@bidi@after@Hy@hyperfootnotes
10312 \m@make@mptencol@footgroup{v@r}%
10313 \let\mp@footgroupv@r\@mptencol@footgroupv@r
10314 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth

```



```

10315 }
10316 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10317 \def\baselinestretch{\m@m@footnote@spacing}%
10318 \reset@font\foottextfont
10319 \@preamfntext
10320 \protected@edef\@currentlabel{%
10321 \csname p@footnote\endcsname\@thefnmark}%
10322 \color@begingroup
10323 \@tencolfootfmt{#1}%
10324 \color@endgroup}%
10325 \m@mmf@prepare}
10326 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
10327 \def\baselinestretch{\m@m@footnote@spacing}%
10328 \reset@font\LTRfoottextfont
10329 \@preamfntext
10330 \protected@edef\@currentlabel{%
10331 \csname p@footnote\endcsname\@thefnmark}%
10332 \color@begingroup
10333 \@tencolLTRfootfmt{#1}%
10334 \color@endgroup}%
10335 \m@mmf@prepare}
10336 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10337 \def\baselinestretch{\m@m@footnote@spacing}%
10338 \reset@font\RTLfoottextfont
10339 \@preamfntext
10340 \protected@edef\@currentlabel{%
10341 \csname p@footnote\endcsname\@thefnmark}%
10342 \color@begingroup
10343 \@tencolRTLfootfmt{#1}%
10344 \color@endgroup}%
10345 \m@mmf@prepare}
10346 \bidi@ensure@newcommand{\@preamtenfmt}{%
10347 \hsize .1\hsize
10348 \parindent=\z@
10349 \tolerance=5000\relax
10350 \leavevmode}
10351 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10352 \@preamtenfmt
10353 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10354 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10355 \@preamtenfmt
10356 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10357 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10358 \@preamtenfmt
10359 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10360 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10361 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10362 \unvbox\@mpfootinsv@r
10363 \def\baselinestretch{\m@m@footnote@spacing}%
10364 \reset@font\foottextfont
10365 \hsize\columnwidth \@parboxrestore
10366 \protected@edef\@currentlabel{%
10367 \csname p@mpfootnote\endcsname\@thefnmark}%
10368 \color@begingroup

```



```

10369 \tencolfootfmt{#1}%
10370 \color@endgroup}%
10371 \m@mmf@prepare}
10372 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10373 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10374 \unvbox\@mpfootinsv@r
10375 \def\baselinestretch{\m@m@footnote@spacing}%
10376 \reset@font\LTRfoottextfont
10377 \hsize\columnwidth \@parboxrestore
10378 \if@RTLcolumnfootnotes\beginL\fi
10379 \protected@edef\@currentlabel{%
10380 \csname p@mpfootnote\endcsname\@thefnmark}%
10381 \color@begingroup
10382 \tencolLTRfootfmt{#1}%
10383 \color@endgroup}%
10384 \m@mmf@prepare}
10385 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10386 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10387 \unvbox\@mpfootinsv@r
10388 \def\baselinestretch{\m@m@footnote@spacing}%
10389 \reset@font\RTLfoottextfont
10390 \hsize\columnwidth \@parboxrestore
10391 \protected@edef\@currentlabel{%
10392 \csname p@mpfootnote\endcsname\@thefnmark}%
10393 \color@begingroup
10394 \tencolRTLfootfmt{#1}%
10395 \color@endgroup}%
10396 \m@mmf@prepare}
10397 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10398 \@namedef{\tencol@footgroup#1}{%
10399 \def\baselinestretch{\m@m@footnote@spacing}%
10400 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10401 \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
10402 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10403 \@namedef{\mptencol@footgroup#1}{%
10404 \def\baselinestretch{\m@m@footnote@spacing}%
10405 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10406 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{10}{\splittopskip}}}%
10407 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10408 \setbox0=\vbox{\unvbox#1%
10409 \global\setbox1=\lastbox}%
10410 \unhbox1
10411 \unskip
10412 \unskip
10413 \unpenalty
10414 \hskip\m@mipn@skip}
10415 \bidi@ensure@newcommand{\m@mungebox}{%
10416 \setbox0=\hbox{\m@munvxh0}%
10417 \dp0=\z@
10418 \ht0=\footfudgefactor\wd0
10419 \box0
10420 \penalty0}
10421 \newskip\m@mipn@skip
10422 \bidi@ensure@newcommand*\{\m@minterparanoteglue}[1]{%

```




```

10423 {\foottextfont\global\m@mipn@skip=#1\relax}}
10424 \m@minterparanoteglue{1em plus.4em minus.4em}
10425 \@ifpackageloaded{multicol}{%
10426 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10427 \hspace\textwidth%
10428 \setbox0=\hbox{}}%
10429 \loop
10430 \unpenalty
10431 \setbox2=\lastbox
10432 \ifhbox2
10433 \setbox0=\hbox{\box2\unhbox0}
10434 \repeat}
10435 }{%
10436 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10437 \setbox0=\hbox{}}%
10438 \loop
10439 \unpenalty
10440 \setbox2=\lastbox
10441 \ifhbox2
10442 \setbox0=\hbox{\box2\unhbox0}
10443 \repeat}}
10444 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10445 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10446 \newcommand*{\AddExtraParaSkip[1]}{%
10447 \if@bidi@csdef{footfudgefactor}{%
10448 \PackageError{bidi}{%
10449 The control sequence '\string\AddExtraParaSkip'
10450 must be used before the control sequence
10451 '\string\paragraphfootnotes' in the preamble%
10452 }\@ehc
10453 }{%
10454 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
10455 }%
10456 }
10457 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10458 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10459 \@bidi@before@Hy@hyperfootnotes
10460 \let\@footnotetext\@parafootnotetext
10461 \let\@LTRfootnotetext\@paraLTRfootnotetext
10462 \let\@RTLfootnotetext\@paraRTLfootnotetext
10463 \dimen\footinsv@r=\footinsdim
10464 \count\footinsv@r=1000\relax
10465 \m@make@para@footgroup{v@r}%
10466 \m@make@para@footstart{v@r}%
10467 \let\@footgroupv@r\@para@footgroupv@r
10468 \let\@footstartv@r\@para@footstartv@r
10469 \dimen\footinsv@l=\footinsdim
10470 \count\footinsv@l=1000\relax
10471 \bidi@make@para@LTRfootgroup{v@l}%
10472 \m@make@para@footstart{v@l}%
10473 \bidi@make@para@footstart@@{v@l}%
10474 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10475 \let\@footstartv@l\@para@footstartv@l
10476 \let\@@footstart@@v@l\@para@footstart@@v@l

```



```

10477 \let\@mpfootnotetext\@mpparafootnotetext
10478 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10479 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10480 \@bidi@after@Hy@hyperfootnotes
10481 \m@make@mppara@footgroup{v@r}%
10482 \bidi@make@mppara@LTRfootgroup{v@l}%
10483 \let\mp@footgroupv@r\@mppara@footgroupv@r
10484 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10485 \begingroup
10486 \def\baselinestretch{\m@footnote@spacing}%
10487 \foottextfont
10488 \@tempdima\footnotesep
10489 \advance\@tempdima -\ht\strutbox
10490 \ifdim\@tempdima<z@ \@tempdima z@ \fi
10491 \advance\@tempdima.5\normalbaselineskip
10492 \bidi@xparaskip
10493 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10494 \ifdim\skip\footinsv@r>\bigskipamount
10495 \else
10496 \global\advance\skip\footinsv@r\bidi@paraskip
10497 \fi
10498 \ifdim\skip\footinsv@l>\bigskipamount
10499 \else
10500 \global\advance\skip\footinsv@l\bidi@paraskip
10501 \fi
10502 \@tempdima\normalbaselineskip
10503 \multiply \@tempdima \@cclvi
10504 \@tempdimb \columnwidth
10505 \divide \@tempdimb \@cclvi
10506 \divide \@tempdima \@tempdimb
10507 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10508 \endgroup
10509 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10510 }
10511 \newcommand{\normalRTLparaLTRfootnotes}{%
10512 \@namedef{foottextfontv@r}{\foottextfont}%
10513 \@bidi@before@Hy@hyperfootnotes
10514 \if@RTL@footnote
10515 \let\@footnotetext\m@old@footnotetext
10516 \else
10517 \let\@footnotetext\@parafootnotetext
10518 \fi
10519 \let\@LTRfootnotetext\@paraLTRfootnotetext
10520 \let\@RTLfootnotetext\m@old@RTLfootnotetext
10521 \dimen\footinsv@r=\footinsdim
10522 \count\footinsv@r=1000\relax
10523 \m@make@para@footgroup{v@r}%
10524 \m@make@para@footstart{v@r}%
10525 \let\@footgroupv@r\@para@footgroupv@r
10526 \let\@footstartv@r\@para@footstartv@r
10527 \dimen\footinsv@l=\footinsdim
10528 \count\footinsv@l=1000\relax
10529 \bidi@make@para@LTRfootgroup{v@l}%
10530 \m@make@para@footstart{v@l}%

```



```

10531 \bidi@make@para@footstart@@{v@1}%
10532 \let\@LTRfootgroupv@1\@para@LTRfootgroupv@1
10533 \let\@footstartv@1\@para@footstartv@1
10534 \let\@footstart@@v@1\@para@footstart@@v@1
10535 \if@RTL@footnote
10536   \let\@mpfootnotetext\m@mold@mpfootnotetext
10537 \else
10538   \let\@mpfootnotetext\@mpparafootnotetext
10539 \fi
10540 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10541 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
10542 \@bidi@after@Hy@hyperfootnotes
10543 \m@make@mppara@footgroup{v@r}%
10544 \bidi@make@mppara@LTRfootgroup{v@1}%
10545 \let\mp@footgroupv@r\@mppara@footgroupv@r
10546 \let\mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
10547 \begingroup
10548 \def\baselinestretch{\m@m@footnote@spacing}%
10549 \foottextfont
10550 \@tempdima\footnotesep
10551 \advance\@tempdima -\ht\strutbox
10552 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
10553 \advance\@tempdima.5\normalbaselineskip
10554 \bidi@xparaskip
10555 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10556 \ifdim\skip\footinsv@r>\bigskipamount
10557 \else
10558   \global\advance\skip\footinsv@r\bidi@paraskip
10559 \fi
10560 \ifdim\skip\footinsv@1>\bigskipamount
10561 \else
10562   \global\advance\skip\footinsv@1\bidi@paraskip
10563 \fi
10564 \@tempdima\normalbaselineskip
10565 \multiply \@tempdima \@cclvi
10566 \@tempdimb \columnwidth
10567 \divide \@tempdimb \@cclvi
10568 \divide \@tempdima \@tempdimb
10569 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10570 \endgroup
10571 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10572 }
10573 \let\bidi@xparaskip\relax
10574 \@onlypreamble\AddExtraParaSkip
10575 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
10576   \if@RTL@footnote
10577     \footinsv@r
10578   \else
10579     \footinsv@1
10580   \fi
10581   {%
10582     \let\bidi@RTL@everypar\@empty%
10583     \def\baselinestretch{\m@m@footnote@spacing}%
10584     \reset@font\foottextfont

```



```

10585 \@preamfntext
10586 \protected@edef\@currentlabel{%
10587   \csname p@footnote\endcsname\@thefnmark}%
10588 \setbox0=\vbox{\hsize=\maxdimen
10589   \color@begingroup
10590   \noindent \@parafootfmt{#1}%
10591   \color@endgroup}%
10592 \m@mungebox}\m@mmf@prepare}
10593 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
10594 \let\bidi@RTL@everypar\@empty%
10595 \def\baselinestretch{\m@m@footnote@spacing}%
10596 \reset@font\LTRfoottextfont
10597 \@preamfntext
10598 \protected@edef\@currentlabel{%
10599   \csname p@footnote\endcsname\@thefnmark}%
10600 \setbox0=\vbox{\hsize=\maxdimen
10601   \color@begingroup
10602   \noindent \@paraLTRfootfmt{#1}%
10603   \color@endgroup}%
10604 \m@mungebox}\m@mmf@prepare}
10605 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10606 \let\bidi@RTL@everypar\@empty%
10607 \def\baselinestretch{\m@m@footnote@spacing}%
10608 \reset@font\RTLfoottextfont
10609 \@preamfntext
10610 \protected@edef\@currentlabel{%
10611   \csname p@footnote\endcsname\@thefnmark}%
10612 \setbox0=\vbox{\hsize=\maxdimen
10613   \color@begingroup
10614   \noindent \@paraRTLfootfmt{#1}%
10615   \color@endgroup}%
10616 \m@mungebox}\m@mmf@prepare}
10617 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10618 \parindent=\z@
10619 \parfillskip=0pt \@plus 1fil
10620 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10621 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10622 \parindent=\z@
10623 \parfillskip=0pt \@plus 1fil
10624 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10625 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10626 \parindent=\z@
10627 \parfillskip=0pt \@plus 1fil
10628 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10629 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10630 \global\setbox
10631 \if@RTL@footnote
10632   \@mpfootinsv@r
10633 \else
10634   \@mpfootinsv@l
10635 \fi
10636 \vbox{%
10637   \let\bidi@RTL@everypar\@empty%
10638   \def\baselinestretch{\m@m@footnote@spacing}%

```



```

10639 \unvbox
10640 \if@RTL@footnote
10641 \@mpfootinsv@r
10642 \else
10643 \@mpfootinsv@l
10644 \fi
10645 \reset@font\foottextfont
10646 \hsize\columnwidth \@parboxrestore
10647 \protected@edef\@currentlabel{%
10648 \csname p@mpfootnote\endcsname\@thefnmark}%
10649 \setbox0=\vbox{\hsize=\maxdimen
10650 \color@begingroup
10651 \noindent \@parafootfmt{#1}%
10652 \color@endgroup}%
10653 \m@mungebox}\m@mmf@prepare}
10654 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10655 \global\setbox\@mpfootinsv@l\vbox{%
10656 \let\bidi@RTL@everypar\@empty%
10657 \def\baselinestretch{\m@m@footnote@spacing}%
10658 \unvbox\@mpfootinsv@l
10659 \reset@font\LTRfoottextfont
10660 \hsize\columnwidth \@parboxrestore
10661 \protected@edef\@currentlabel{%
10662 \csname p@mpfootnote\endcsname\@thefnmark}%
10663 \setbox0=\vbox{\hsize=\maxdimen
10664 \color@begingroup
10665 \noindent \@paraLTRfootfmt{#1}%
10666 \color@endgroup}%
10667 \m@mungebox}\m@mmf@prepare}
10668 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10669 \global\setbox\@mpfootinsv@r\vbox{%
10670 \let\bidi@RTL@everypar\@empty%
10671 \def\baselinestretch{\m@m@footnote@spacing}%
10672 \unvbox\@mpfootinsv@r
10673 \reset@font\RTLfoottextfont
10674 \hsize\columnwidth \@parboxrestore
10675 \protected@edef\@currentlabel{%
10676 \csname p@mpfootnote\endcsname\@thefnmark}%
10677 \setbox0=\vbox{\hsize=\maxdimen
10678 \color@begingroup
10679 \noindent \@paraRTLfootfmt{#1}%
10680 \color@endgroup}%
10681 \m@mungebox}\m@mmf@prepare}
10682 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10683 \@namedef{\@para@footgroup#1}{%
10684 \unvbox\@nameuse{footins#1}
10685 \@RTLtrue
10686 \m@mmakehboxofhboxes
10687 \setbox0=\hbox{\unhbox0 \m@removehboxes}%
10688 \@parboxrestore%
10689 \def\baselinestretch{\m@m@footnote@spacing}%
10690 \@nameuse{foottextfont#1}%
10691 \noindent\unhbox0\par}}
10692 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%

```



```

10693 \@namedef{@para@LTRfootgroup#1}{%
10694   \unvbox\@nameuse{footins#1}
10695   \@RTLfalse
10696   \m@mmakehboxofhboxes
10697   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10698   \@parboxrestore%
10699   \def\baselinestretch{\m@m@footnote@spacing}%
10700   \@nameuse{foottextfont#1}%
10701   \noindent\unhbox0\par}}
10702 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10703 \@namedef{@mppara@footgroup#1}{%
10704   \unvbox\@nameuse{@mpfootins#1}
10705   \@RTLtrue
10706   \m@mmakehboxofhboxes
10707   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10708   \def\baselinestretch{\m@m@footnote@spacing}%
10709   \@nameuse{foottextfont#1}%
10710   \noindent\unhbox0\par}}
10711 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
10712 \@namedef{@mppara@LTRfootgroup#1}{%
10713   \unvbox\@nameuse{@mpfootins#1}
10714   \@RTLfalse
10715   \m@mmakehboxofhboxes
10716   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10717   \def\baselinestretch{\m@m@footnote@spacing}%
10718   \@nameuse{foottextfont#1}%
10719   \noindent\unhbox0\par}}
10720 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
10721 \@namedef{@para@footstart#1}{%
10722   \if@bidi@void@footins
10723     \bidi@mopfn@bottom
10724   \fi
10725   \leftskip=\z@
10726   \rightskip=\z@
10727   \parindent=\z@
10728   \vskip\skip\footins
10729   \if@bidi@void@footins
10730     \footnoterule
10731   \fi}}
10732 \bidi@ensure@newcommand{\bidi@make@para@footstart@@}[1]{%
10733 \@namedef{@@para@footstart@@#1}{%
10734   \leftskip=\z@
10735   \rightskip=\z@
10736   \parindent=\z@
10737   \vskip\skip\footins}}
10738 \bidi@ensure@newcommand*\m@m@makecolfloats{%
10739   \xdef\@freelist{\@freelist\@midlist}%
10740   \global\let\@midlist\@empty
10741   \@combinefloats}
10742 \bidi@ensure@newcommand*\m@m@makecoltext{%
10743   \ifvbox\@kludgeins
10744     \@makespecialcolbox
10745   \else
10746     \setbox\@outputbox \vbox to\@colht{%

```



```

10747 \texttop
10748 \dimen@ \dp\@outputbox
10749 \unvbox \@outputbox
10750 \vskip -\dimen@
10751 \textbottom}%
10752 \fi}
10753 \bidi@ensure@newcommand*{\m@m@makecolintro}{\}
10754 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
10755 \boxmaxdepth\@maxdepth
10756 \@tempdima\dp\@cclv
10757 \unvbox\@cclv
10758 \vskip-\@tempdima
10759 \bidi@mopfn@bottom
10760 \vskip \skip\footins
10761 \color@begingroup
10762 \normalcolor
10763 \footnoterule
10764 \unvbox \footins
10765 \color@endgroup
10766 }%
10767 }
10768 \newcommand*{\bidi@mopfootnotebf}{%
10769 \setbox\@outputbox \vbox{%
10770 \boxmaxdepth\@maxdepth
10771 \unvbox\@outputbox
10772 \bidi@mopfn@bottom
10773 \vskip\skip\footins
10774 \color@begingroup
10775 \normalcolor
10776 \footnoterule
10777 \unvbox \footins
10778 \color@endgroup
10779 }%
10780 }
10781 \gdef\mem@m@makecol{%
10782 \m@m@makecolintro
10783 \ifvoid\footins
10784 \global\@bidi@void@footinstrue
10785 \setbox\@outputbox \box\@cclv
10786 \else
10787 \global\@bidi@void@footinsfalse
10788 \m@mopfootnote
10789 \fi
10790 \m@m@doextrafeet
10791 \m@m@makecolfloats
10792 \m@m@makecoltext
10793 \global \maxdepth \@maxdepth}
10794 \gdef\bidi@makecolbf{%
10795 \m@m@makecolintro
10796 \setbox\@outputbox \box\@cclv
10797 \m@m@makecolfloats
10798 \ifvoid\footins
10799 \global\@bidi@void@footinstrue
10800 \else

```



```

10801 \global\@bidi@void@footinsfalse
10802 \bidi@mopfootnotebf
10803 \fi
10804 \m@mdoextrafeet
10805 \m@m@makecoltext
10806 \global \maxdepth \@maxdepth}
10807 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10808 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10809 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10810 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10811 \FeetAboveFloat
10812 \FeetBelowRagged

```

56 File extreport-xetex-bidi.def

```

10813 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10814 \renewcommand*\l@part[2]{%
10815   \ifnum \c@tocdepth >-2\relax
10816     \addpenalty{-\@highpenalty}%
10817     \addvspace{2.25em \@plus\p@}%
10818     \begingroup
10819       \setlength\@tempdima{3em}%
10820       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10821       \parfillskip -\@pnumwidth
10822       {\leavevmode
10823         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10824       \nobreak
10825       \global\@nobreaktrue
10826       \everypar{\global\@nobreakfalse\everypar{}}%
10827     \endgroup
10828   \fi}
10829 \renewcommand*\l@chapter[2]{%
10830   \ifnum \c@tocdepth >\m@ne
10831     \addpenalty{-\@highpenalty}%
10832     \vskip 1.0em \@plus\p@
10833     \setlength\@tempdima{1.5em}%
10834     \begingroup
10835       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10836       \parfillskip -\@pnumwidth
10837       \leavevmode \bfseries
10838       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
10839       \hskip -\if@RTL\rightskip\else\leftskip\fi
10840       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10841       \penalty\@highpenalty
10842     \endgroup
10843   \fi}
10844 \def\@makechapterhead#1{%
10845   \vspace*{50\p@}%
10846   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10847     \ifnum \c@secnumdepth >\m@ne
10848       \huge\bfseries \@chapapp\space \thechapter
10849       \par\nobreak
10850       \vskip 20\p@
10851     \fi

```




```

10852 \interlinepenalty\@M
10853 \Huge \bfseries #1\par\nobreak
10854 \vskip 40\p@
10855 }}
10856 \def\@makeschapterhead#1{%
10857 \vspace*{50\p@}%
10858 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10859 \normalfont
10860 \interlinepenalty\@M
10861 \Huge \bfseries #1\par\nobreak
10862 \vskip 40\p@
10863 }}
10864 \renewcommand\left@footnoterule{%
10865 \kern-3\p@
10866 \hrule\@width.4\columnwidth
10867 \kern2.6\p@}
10868 \renewcommand\right@footnoterule{%
10869 \kern-3\p@
10870 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10871 \kern2.6\p@}
10872 \renewenvironment{thebibliography}[1]
10873 {\chapter*{\bibname
10874 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}}%
10875 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10876 \bidi@thebibliography@font@hook%
10877 \list{\@biblabel{\@arabic\c@enumiv}}%
10878 {\settowidth\labelwidth{\@biblabel{#1}}%
10879 \leftmargin\labelwidth
10880 \advance\leftmargin\labelsep
10881 \@openbib@code
10882 \usecounter{enumiv}%
10883 \let\p@enumiv\@empty
10884 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10885 \sloppy\clubpenalty4000\widowpenalty4000%
10886 \sfcode`\.\@m}
10887 {\def\@noitemerr
10888 {\@latex@warning{Empty `thebibliography' environment}}}%
10889 \endlist}
10890 \if@titlepage
10891 \renewcommand\maketitle{\begin{titlepage}%
10892 \let\footnotesize\small
10893 \let\right@footnoterule\relax
10894 \let\left@footnoterule\relax
10895 \let\textwidth\footnoterule\relax
10896 \let\footnote\thanks
10897 \null\vfil
10898 \vskip 60\p@
10899 \begin{center}%
10900 {\LARGE \@title \par}%
10901 \vskip 3em%
10902 {\large
10903 \lineskip .75em%
10904 \begin{tabular}[t]{c}%
10905 \@author

```



```

10906         \end{tabular}\par}%
10907         \vskip 1.5em%
10908         {\large \@date \par}%           % Set date in \large size.
10909     \end{center}\par
10910     \@thanks
10911     \vfil\null
10912     \end{titlepage}%
10913     \setcounter{footnote}{0}%
10914     \global\let\thanks\relax
10915     \global\let\maketitle\relax
10916     \global\let\@thanks\@empty
10917     \global\let\@author\@empty
10918     \global\let\@date\@empty
10919     \global\let\@title\@empty
10920     \global\let\title\relax
10921     \global\let\author\relax
10922     \global\let\date\relax
10923     \global\let\and\relax
10924 }
10925 \else
10926 \renewcommand\maketitle{\par
10927     \begingroup
10928         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10929         \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10930         \long\def\@makefntext##1{\parindent 1em\noindent
10931             \hb@xt@1.8em{%
10932                 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10933         \if@twocolumn
10934             \ifnum \col@number=\@one
10935                 \@maketitle
10936             \else
10937                 \twocolumn[\@maketitle]%
10938             \fi
10939         \else
10940             \newpage
10941             \global\@topnum\z@ % Prevents figures from going at top of page.
10942             \@maketitle
10943             \fi
10944             \thispagestyle{plain}\@thanks
10945     \endgroup
10946     \setcounter{footnote}{0}%
10947     \global\let\thanks\relax
10948     \global\let\maketitle\relax
10949     \global\let\@maketitle\relax
10950     \global\let\@thanks\@empty
10951     \global\let\@author\@empty
10952     \global\let\@date\@empty
10953     \global\let\@title\@empty
10954     \global\let\title\relax
10955     \global\let\author\relax
10956     \global\let\date\relax
10957     \global\let\and\relax
10958 }
10959 \def\@maketitle{%

```



```

10960 \newpage
10961 \null
10962 \vskip 2em%
10963 \begin{center}%
10964 \let \footnote \thanks
10965 {\LARGE \@title \par}%
10966 \vskip 1.5em%
10967 {\large
10968 \lineskip .5em%
10969 \begin{tabular}[t]{c}%
10970 \@author
10971 \end{tabular}\par}%
10972 \vskip 1em%
10973 {\large \@date}%
10974 \end{center}%
10975 \par
10976 \vskip 1.5em}
10977 \fi
10978 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10979 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10980 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10981 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10982 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10983 \renewcommand\theequation{%
10984 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10985 \renewcommand\thefigure{%
10986 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10987 \renewcommand\thetable{%
10988 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

57 File fancybox-xetex-bidi.def

```

10989 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10990 \def\fancy@oval#1#2#3{%
10991 \boxmaxdepth \maxdimen
10992 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10993 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10994 \@ovxx#1\relax
10995 \advance\@ovxx-\@wholewidth
10996 \@ovyy#2\relax
10997 \advance\@ovyy-\@wholewidth
10998 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10999 \advance\@tempdimb-2\p@
11000 \ifdim\@tempdimb>\the@cornersize\relax
11001 \@tempdimb=\the@cornersize
11002 \fi
11003 \@getcirc\@tempdimb
11004 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
11005 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
11006 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
11007 \@circlefnt
11008 \setbox\@tempboxa\hbox{\beginL%
11009 \if@ovr \@ovvert32\kern -\@tempdima \fi
11010 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi

```



```

11011 \if@ovt \@ovhorz \kern -\@ovxx \fi
11012 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
11013 \advance\@ovdx\@ovro
11014 \advance\@ovdy\@ovro
11015 \advance\@ovxx\@wholewidth
11016 \wd\@tempboxa=\@ovxx
11017 \dp\@tempboxa=\z@}

```

58 File fancyhdr-xetex-bidi.def

```

11018 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
11019
11020 \let\f@nch@everypar\everypar
11021
11022 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
11023 \f@nch@vbox\headheight{\hbox
11024 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
11025 \parbox[b]{\headwidth}{\centering#3}\hfill
11026 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
11027
11028 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
11029 \f@nch@vbox\footskip{\footrule
11030 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
11031 \parbox[t]{\headwidth}{\centering#3}\hfill
11032 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
11033

```

59 File fix2col-xetex-bidi.def

```

11034 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
11035 \def\RTL@outputdblcol{%
11036 \if@firstcolumn
11037 \global\@firstcolumnfalse
11038 \global\setbox\@leftcolumn\copy\@outputbox
11039 \splitmaxdepth\maxdimen
11040 \vbadness\maxdimen
11041 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11042 \toks@\expandafter{\topmark}%
11043 \xdef\@firstcoltopmark{\the\toks@}%
11044 \toks@\expandafter{\splitfirstmark}%
11045 \xdef\@firstcolfirstmark{\the\toks@}%
11046 \ifx\@firstcolfirstmark\@empty
11047 \global\let\@setmarks\relax
11048 \else
11049 \gdef\@setmarks{%
11050 \let\firstmark\@firstcolfirstmark
11051 \let\topmark\@firstcoltopmark}%
11052 \fi
11053 \else \global\@firstcolumntrue
11054 \setbox\@outputbox \vbox {\hbox to\textwidth {%
11055 \hskip \columnwidth
11056 \hfil \vrule width\columnseprule \hfil
11057 \hbox to\columnwidth {%
11058 \bidi@firstcolumn@status@write%

```



```

11059 \box\@leftcolumn \hss}%
11060 \hskip -\textwidth
11061 \hbox to\columnwidth{%
11062 \bidi@lastcolumn@status@write%
11063 \box\@outputbox \hss}%
11064 \hskip \columnsep
11065 \hskip \columnwidth }}%
11066 \@combinedblfloats \@setmarks \@outputpage
11067 \begingroup \@dblfloatplacement \@startdblcolumn
11068 \@whilesw\if@colmade \fi
11069 {\@outputpage \@startdblcolumn }\endgroup
11070 \fi}
11071 \def\LTR@outputdblcol{%
11072   \if@firstcolumn
11073     \global\@firstcolumnfalse
11074     \global\setbox\@leftcolumn\copy\@outputbox
11075     \splitmaxdepth\maxdimen
11076     \vbadness\maxdimen
11077     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11078     \toks@\expandafter{\topmark}%
11079     \xdef\@firstcoltopmark{\the\toks@}%
11080     \toks@\expandafter{\splitfirstmark}%
11081     \xdef\@firstcolfirstmark{\the\toks@}%
11082     \ifx\@firstcolfirstmark\@empty
11083       \global\let\@setmarks\relax
11084     \else
11085       \gdef\@setmarks{%
11086         \let\firstmark\@firstcolfirstmark
11087         \let\topmark\@firstcoltopmark}%
11088     \fi
11089   \else
11090     \global\@firstcolumntrue
11091     \setbox\@outputbox\vbox{%
11092       \hb@xt@\textwidth{%
11093         \hb@xt@\columnwidth{%
11094           \bidi@firstcolumn@status@write%
11095           \box\@leftcolumn \hss}%
11096         \hfil
11097         \vrule \@width\columnseprule
11098         \hfil
11099         \hb@xt@\columnwidth{%
11100           \bidi@lastcolumn@status@write%
11101           \box\@outputbox \hss}}}%
11102   \@combinedblfloats
11103   \@setmarks
11104   \@outputpage
11105   \begingroup
11106     \@dblfloatplacement
11107     \@startdblcolumn
11108     \@whilesw\if@colmade \fi{\@outputpage\@startdblcolumn}%
11109   \endgroup
11110 \fi}

```



60 File fleqn-xetex-bidi.def

```

11111 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX
11112 \renewcommand\{\relax
11113     \ifmmode\@badmath
11114     \else
11115         \begin{trivlist}%
11116             \@beginparpenalty\predisplaypenalty
11117             \@endparpenalty\postdisplaypenalty
11118             \item[]\leavevmode
11119             \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
11120             \hskip\mathindent\bgroup
11121         \fi}
11122 \renewcommand\{\relax
11123     \ifmmode
11124         \egroup $\hfil% $
11125         \endL\egroup
11126         \end{trivlist}%
11127     \else \@badmath
11128     \fi}
11129 \renewenvironment{equation}%
11130 {
11131     \@beginparpenalty\predisplaypenalty
11132     \@endparpenalty\postdisplaypenalty
11133     \refstepcounter{equation}%
11134     \trivlist \item[]\leavevmode
11135     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
11136     \displaystyle
11137     \hskip\mathindent}%
11138     {\$ \hfil % $
11139     \displaywidth\linewidth\hbox{\@eqnnum}%
11140     \endL\egroup
11141     \endtrivlist}

```

61 File float-xetex-bidi.def

```

11141 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for X
11142 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
11143 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
11144 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
11145 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
11146 \expandafter\edef\csname the#1\endcsname{%
11147 \expandafter\noexpand\csname
11148 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
11149 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

62 File floatrow-xetex-bidi.def

```

11150 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
11151 \renewcommand\flnew@within[1]{\@addtoreset{\FB@captop}{#1}%
11152 \expandafter\edef\csname the\FB@captop\endcsname{%
11153 \expandafter\noexpand\csname
11154 the#1\endcsname\@SepMark\noexpand\arabic{\FB@captop}}}

```



63 File flowfram-xetex-bidi.def

```

11155 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package]
11156 \def\@outputdblcol{%
11157 \c@nxtcol=\c@thisframe
11158 \c@curpg=\c@page
11159 \g@tnextcol{\c@nxtcol}%
11160 \iff@nwpg % next flow frame starts on new page
11161 \global\@firstcolumntrue
11162 \setcolbox\c@thisframe
11163 \if@specialpage
11164 \global\@specialpagefalse
11165 \nameuse{ps@\@specialstyle}\relax
11166 \fi
11167 \if@twoside
11168 \ifodd\count\z@
11169 \let\@thehead\@oddhead
11170 \let\@thefoot\@oddfoot
11171 \else
11172 \let\@thehead\@evenhead
11173 \let\@thefoot\@evenfoot
11174 \fi
11175 \else
11176 \let\@thehead\@oddhead
11177 \let\@thefoot\@oddfoot
11178 \fi
11179 \@beginndvi
11180 \dodynamicthehead\dodynamicthefoot
11181 \vbadness=\@M
11182 \setbox\@outputbox\vbox{\hbox to \textwidth{\ff@do@allframes}}%
11183 \combinedblfloats
11184 \outputpage
11185 \advance\c@curpg by -\c@page\relax
11186 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
11187 \setbox\@outputbox\vbox{\hbox to \textwidth{\ff@do@allframes}}%
11188 \outputpage}
11189 \beginngroup
11190 \dblfloatplacement
11191 \startdblcolumn
11192 \whilesw \iffcolmade \fi
11193 {\outputpage \startdblcolumn }\endgroup
11194 \resetst@tics
11195 \resetdyn@mics
11196 \else % still on same page, save contents of box255
11197 \global\@firstcolumnfalse
11198 \setcolbox\c@thisframe
11199 \fi
11200 \global\c@thisframe=\c@nxtcol
11201 \setcol{\c@thisframe}\relax
11202 \global\colht\vsiz
11203 }
11204 \def\outputpage{%
11205 \beginngroup
11206 \let\protect\noexpand

```



```

11207 \@resetactivechars
11208 \global\let\@if@newlist\if@newlist
11209 \global\@newlistfalse\@parboxrestore
11210 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
11211 \bidi@beforeoutputpageshipouthook
11212 \shipout\vbox{\set@typeset@protect
11213   \aftergroup
11214   \endgroup
11215   \aftergroup
11216   \set@typeset@protect
11217   \reset@font\normalsize
11218   \bidi@font@outputpage
11219   \normalsfcodes
11220   \let\label\@gobble
11221   \let\index\@gobble
11222   \let\glossary\@gobble
11223   \baselineskip\z@skip
11224   \lineskip\z@skip
11225   \lineskiplimit\z@
11226   \vskip\topmargin\moveright\@themargin
11227   \vbox{%
11228     \global\let\@bidi@BeforeHeader\@firstofone
11229     \bidi@beforeheaderhook
11230     \vskip\headheight
11231     \vskip\headsep
11232     \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
11233     \bidi@beforeoutputboxoutputpagehook
11234     \box\@outputbox
11235     \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
11236     \bidi@afteroutputboxoutputpagehook
11237   }}%
11238 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
11239 \bidi@afteroutputpageshipouthook
11240 \global\let\if@newlist\@if@newlist
11241 \stepcounter{page}%
11242 \setcounter{displayedframe}{0}%
11243 \let\firstmark\botmark
11244 \global\let\@bidi@AtEndOutputPage\@firstofone
11245 \bidi@atendoutputpagehook
11246 }
11247
11248
11249 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
11250 \expandafter\bidicolor\ff@txtcol}}
11251
11252 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
11253 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
11254
11255
11256 \renewcommand*\@docolbox}[1]{%
11257 \edef\ff@frametype{%
11258 \csname @ff@frametype@\romannumeral#1\endcsname}%
11259 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
11260 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%

```




```

11261 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
11262 \@ff@setoffset{#1}%
11263 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%
11264 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
11265 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
11266 {\csname colheight\romannumeral#1\endcsname}{%
11267 \expandafter\box\csname column\romannumeral#1\endcsname}{%
11268 \csname\ff@frametype\endcsname}%
11269 }{%
11270 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
11271 {\csname colheight\romannumeral#1\endcsname}{%
11272 \expandafter\box\csname column\romannumeral#1\endcsname}%
11273 }}}
11274 \@ifclassloaded{book}{%
11275 \renewcommand\theequation
11276 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11277 \renewcommand \thefigure
11278 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11279 \renewcommand \thetable
11280 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11281 \renewcommand \thechapter {\@arabic\c@chapter}
11282 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11283 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11284 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11285 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11286 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11287 \@ifclassloaded{report}{%
11288 \renewcommand\theequation
11289 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11290 \renewcommand \thefigure
11291 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11292 \renewcommand \thetable
11293 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11294 \renewcommand \thechapter {\@arabic\c@chapter}
11295 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11296 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11297 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11298 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11299 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11300 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
11301 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
11302 \else
11303 #2\relax
11304 \fi}

```

64 File footnote-xetex-bidi.def

```

11305 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11306 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11307 \newif\ifbidi@autofooterule
11308 \def\bidi@mpfootnoterule{\footnoterule}
11309 \newcounter{footdir@label}
11310 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
11311 \newcommand*{\footdir@write}{%

```



```

11312 \stepcounter{footdir@label}%
11313 \zref@labelbyprops{\thefootdir@label}{abspage}%
11314 }
11315 \newif\iffootdir@debug
11316 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11317 \newtoks\footdir@toks
11318 \newcommand*{\footdir@debug}[1]{%
11319 \iffootdir@debug
11320 \typeout{[footdir] #1}%
11321 \fi
11322 }
11323 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11324 \newcommand*{\footdir@LeftRightElse}{%
11325 \ltx@ifundefined{footdir@the\value{zabspage}}{%
11326 \footdir@debug{abspage \the\value{zabspage}: else}%
11327 \ltx@thirdofthree
11328 }{%
11329 \if\csname footdir@the\value{zabspage}\endcsname L%
11330 \footdir@debug{abspage \the\value{zabspage}: left}%
11331 \expandafter\ltx@firstofthree
11332 \else
11333 \footdir@debug{abspage \the\value{zabspage}: right}%
11334 \expandafter\ltx@secondofthree
11335 \fi
11336 }%
11337 }%
11338 }{%
11339 \providecommand*{\c@zabspage}{\c@abspage}%
11340 \newcommand*{\footdir@LeftRightElse}{%
11341 \footdir@write
11342 \zifrefundefined{\thefootdir@label}{%
11343 \footdir@debug{abspage ??: else}%
11344 \ltx@thirdofthree
11345 }{%
11346 \edef\footdir@abspage{%
11347 \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11348 }%
11349 \ltx@ifundefined{footdir@\footdir@abspage}{%
11350 \footdir@debug{\footdir@abspage: else}%
11351 \ltx@thirdofthree
11352 }{%
11353 \if\csname footdir@\footdir@abspage\endcsname L%
11354 \footdir@debug{\footdir@abspage: left}%
11355 \expandafter\ltx@firstofthree
11356 \else
11357 \footdir@debug{\footdir@abspage: right}%
11358 \expandafter\ltx@secondofthree
11359 \fi
11360 }%
11361 }%
11362 }%
11363 }%
11364 \newcommand*{\footdir@fntext}[1]{%
11365 \zifrefundefined{\thefootdir@label}{%

```



```

11366 }{%
11367   \edef\footdir@name{%
11368     footdir@zref@extractdefault{\thefootdir@label}{abspage}{0}%
11369   }%
11370   \@ifundefined{\footdir@name}{%
11371     \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11372   }{}%
11373 }%
11374 }
11375
11376 \newcommand*{\footdir@temp}[3]{%
11377   \@ifdefinable{#1}{%
11378     \let#1#2%
11379     \renewcommand{#2}[1]{%
11380       \footdir@write
11381       \footdir@fntext{#3}%
11382       \stepcounter{footdir@label}%
11383       \footdir@fntext{#3}%
11384       \footdir@toks{##1}%
11385       \footdir@toks\expandafter{%
11386         \the\expandafter\footdir@toks
11387         \expandafter
11388         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
11389       }%
11390       \expandafter#1\expandafter{\the\footdir@toks}%
11391     }%
11392   }%
11393 }
11394
11395 \def\right@footnoterule{%
11396   \kern-3\p@
11397   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11398   \kern2.6\p@}
11399 \def\left@footnoterule{\kern-3\p@
11400   \hrule \@width .4\columnwidth \kern 2.6\p@}
11401 \def\textwidth@footnoterule{\kern-3\p@
11402   \hrule \@width \columnwidth \kern 2.6\p@}
11403 \def\leftfootnoterule{%
11404   \bidi@autofootnoterulefalse%
11405   \def\footnoterule{\left@footnoterule}}
11406 \let\LRfootnoterule=\leftfootnoterule
11407 \def\rightfootnoterule{%
11408   \bidi@autofootnoterulefalse%
11409   \def\footnoterule{\right@footnoterule}}
11410 \def\textwidthfootnoterule{%
11411   \bidi@autofootnoterulefalse%
11412   \def\footnoterule{\textwidth@footnoterule}}
11413
11414
11415
11416 \def\auto@footnoterule{%
11417   \footdir@LeftRightElse%
11418   \left@footnoterule%
11419   \right@footnoterule%

```



```

11420 \left@footnoterule%
11421 }
11422
11423
11424
11425 \def\autofootnoterule{%
11426 \bidi@autofootnoteruletrue%
11427 \def\footnoterule{\auto@footnoterule}%
11428 }
11429
11430 \newcommand*\SplitFootnoteRule{%
11431 \gdef\split@prev{0}
11432 \let\pagefootnoterule\footnoterule
11433 \let\mpfootnoterule\footnoterule
11434 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11435 \def\footnoterule{\relax
11436 \ifx \@listdepth\@mplistdepth
11437 \mpfootnoterule
11438 \else
11439 \ifnum\split@prev=\z@
11440 \pagefootnoterule
11441 \else
11442 \splitfootnoterule
11443 \fi
11444 \xdef\split@prev{\the\insertpenalties}%
11445 \fi
11446 }%
11447 }
11448
11449
11450
11451
11452 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11453 \protected@xdef\@thefnmark{\thempfn}}%
11454 \@footnotemark\@RTLfootnotetext}}
11455 \def\@xRTLfootnote[#1]{%
11456 \begingroup
11457 \csname c@\@mpfn\endcsname #1\relax
11458 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11459 \endgroup
11460 \@footnotemark\@RTLfootnotetext}
11461 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11462 \protected@xdef\@thefnmark{\thempfn}}%
11463 \@footnotemark\@LTRfootnotetext}}
11464 \def\@xLTRfootnote[#1]{%
11465 \begingroup
11466 \csname c@\@mpfn\endcsname #1\relax
11467 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11468 \endgroup
11469 \@footnotemark\@LTRfootnotetext}
11470
11471
11472 \def\setfootnoterL{\@RTL@footnotetrue}
11473 \def\unsetfootnoterL{\@RTL@footnotefalse}

```



```

11474 \def\setfootnoteLR{\unsetfootnoteRL}
11475
11476 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
11477 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11478 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11479
11480 \long\def\@footnotetext#1{\insert\footins{%
11481   \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11482   \reset@font%
11483   \bidi@footnotetext@font% \reset@font\footnotesize
11484   \interlinepenalty\interfootnotelinepenalty
11485   \splittopskip\footnotesep
11486   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11487   \hsize\columnwidth \@parboxrestore
11488   \protected@edef\@currentlabel{%
11489     \csname p@footnote\endcsname\@thefnmark
11490   }%
11491   \color@begingroup
11492     \makefntext{%
11493       \rule{z@footnotesep}{\ignorespaces#1}\@finalstrut\strutbox}%
11494   \color@endgroup}}%
11495
11496
11497 \long\def\@RTLfootnotetext#1{\insert\footins{%
11498   \@RTLtrue%
11499   \reset@font%
11500   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11501   \interlinepenalty\interfootnotelinepenalty
11502   \splittopskip\footnotesep
11503   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11504   \hsize\columnwidth \@parboxrestore
11505   \protected@edef\@currentlabel{%
11506     \csname p@footnote\endcsname\@thefnmark
11507   }%
11508   \color@begingroup
11509     \makefntext{%
11510       \rule{z@footnotesep}{\ignorespaces#1}\@finalstrut\strutbox}%
11511   \color@endgroup}}%
11512
11513 \long\def\@LTRfootnotetext#1{\insert\footins{%
11514   \@RTLfalse%
11515   \reset@font%
11516   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11517   \interlinepenalty\interfootnotelinepenalty
11518   \splittopskip\footnotesep
11519   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11520   \hsize\columnwidth \@parboxrestore
11521   \protected@edef\@currentlabel{%
11522     \csname p@footnote\endcsname\@thefnmark
11523   }%
11524   \color@begingroup
11525     \makefntext{%
11526       \rule{z@footnotesep}{\ignorespaces#1}\@finalstrut\strutbox}%
11527   \color@endgroup}}%

```



```

11528
11529 \AtBeginDocument{%
11530 \if@RTL@footnote
11531   \newcommand*{\bidi@footdir@footnote}{R}
11532 \else
11533   \newcommand*{\bidi@footdir@footnote}{L}
11534 \fi%
11535 }
11536
11537 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11538 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11539 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11540
11541 \long\def\@mpRTLfootnotetext#1{%
11542   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@foot
11543   \global\setbox\@mpfootins\vbox{\@RTLtrue%
11544     \unvbox\@mpfootins
11545     \reset@font%
11546     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11547     \hsize\columnwidth
11548     \@parboxrestore
11549     \protected@edef\@currentlabel
11550       {\csname p@mpfootnote\endcsname\@thefnmark}%
11551     \color@begingroup
11552     \@makefntext{%
11553       \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11554     \color@endgroup}}
11555 \long\def\@mpLTRfootnotetext#1{%
11556   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footno
11557   \global\setbox\@mpfootins\vbox{\@RTLfalse%
11558     \unvbox\@mpfootins
11559     \reset@font%
11560     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11561     \hsize\columnwidth
11562     \@parboxrestore
11563     \protected@edef\@currentlabel
11564       {\csname p@mpfootnote\endcsname\@thefnmark}%
11565     \color@begingroup
11566     \@makefntext{%
11567       \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11568     \color@endgroup}}
11569 \long\def\@mpfootnotetext#1{%
11570   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnote
11571   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11572     \unvbox\@mpfootins
11573     \reset@font%
11574     \bidi@footnotetext@font% \reset@font\footnotesize
11575     \hsize\columnwidth
11576     \@parboxrestore
11577     \protected@edef\@currentlabel
11578       {\csname p@mpfootnote\endcsname\@thefnmark}%
11579     \color@begingroup
11580     \@makefntext{%
11581       \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%

```



```

11582     \color@endgroup}}
11583 \def\@iiiminipage#1#2[#3]#4{%
11584     \leavevmode
11585     \@pboxswfalse
11586     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11587     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
11588     \setlength\@tempdima{#4}%
11589     \def\@mpargs{#{1}#{2}#{3}#{4}}%
11590     \setbox\@tempboxa\vbox\bgroup
11591         \color@begingroup
11592         \hsize\@tempdima
11593         \textwidth\hsize \columnwidth\hsize
11594         \@parboxrestore
11595         \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11596         \let\@footnotetext\@mpfootnotetext
11597         \let\@LTRfootnotetext\@mpLTRfootnotetext
11598         \let\@RTLfootnotetext\@mpRTLfootnotetext
11599         \let\@listdepth\@mplistdepth \@mplistdepth\z@
11600         \@minipagerestore
11601         \@setminipage}
11602 \def\endminipage{%
11603     \par
11604     \unskip
11605     \ifvoid\@mpfootins\else
11606         \vskip\skip\@mpfootins
11607         \normalcolor
11608         \bidi@mpfootnoterule
11609         \unvbox\@mpfootins
11610     \fi
11611     \@minipagefalse    %% added 24 May 89
11612     \color@endgroup
11613     \egroup
11614     \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11615 \def\LTRthanks#1{\footnotemark
11616     \protected@xdef\@thanks{\@thanks
11617         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11618 }
11619 \def\LTRfootnotetext{%
11620     \@ifnextchar [\@xLTRfootnotenext
11621         {\protected@xdef\@thefnmark{\thempfn}%
11622         \@LTRfootnotetext}}
11623 \def\@xLTRfootnotenext[#1]{%
11624     \begingroup
11625         \csname c@\@mpfn\endcsname #1\relax
11626         \unrestored@protected@xdef\@thefnmark{\thempfn}%
11627     \endgroup
11628     \@LTRfootnotetext}
11629 \def\RTLthanks#1{\footnotemark
11630     \protected@xdef\@thanks{\@thanks
11631         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11632 }
11633 \let\@thanks\@empty
11634 \def\RTLfootnotetext{%
11635     \@ifnextchar [\@xRTLfootnotenext

```



```

11636      {\protected@xdef\@thefnmark{\thempfn}%
11637      \@RTLfootnotetext}}
11638 \def\@xRTLfootnotenext[#1]{%
11639   \begingroup
11640     \csname c@\@mpfn\endcsname #1\relax
11641     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11642   \endgroup
11643   \@RTLfootnotetext}
11644 \leftfootnoterule

```

65 File footnotebackref-xetex-bidi.def

```

11645 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnote]
11646 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
11647 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
11648
11649 \renewcommand*\LTRfootnote{%
11650   \refstepcounter{BackrefHyperFootnoteCounter}%
11651   \edef\BackrefFootnoteTag{bhn:\theBackrefHyperFootnoteCounter}%
11652   \label{\BackrefFootnoteTag}%
11653   \@ifnextchar[\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
11654
11655 \renewcommand*\RTLfootnote{%
11656   \refstepcounter{BackrefHyperFootnoteCounter}%
11657   \edef\BackrefFootnoteTag{bhn:\theBackrefHyperFootnoteCounter}%
11658   \label{\BackrefFootnoteTag}%
11659   \@ifnextchar[\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
11660 \newcommand\Backref@HyperLTRFootnote[1]{%
11661   \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
11662
11663 \newcommand\Backref@HyperRTLFootnote[1]{%
11664   \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
11665
11666 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
11667   \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
11668
11669 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
11670   \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
11671
11672 \bidi\AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
11673 \ifFootnoteBackref@numberlinked
11674 \renewcommand{\footfootmark}{%
11675   \ifdim\footmarkwidth < \z@
11676     \llap{\hb@xt@ -\footmarkwidth{%
11677       \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11678     \hspace*{-\footmarkwidth}}%
11679   \else
11680     \ifdim\footmarkwidth = \z@
11681       {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11682     \else
11683       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11684     \fi
11685   \fi}
11686 \renewcommand{\LTRfootfootmark}{%

```




```

11687 \ifdim\footmarkwidth < \z@
11688   \llap{\hb@xt@ -\footmarkwidth{%
11689     \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11690     \hspace*{-\footmarkwidth}}%
11691 \else
11692   \ifdim\footmarkwidth = \z@
11693     {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11694   \else
11695     \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11696   \fi
11697 \fi}
11698 \renewcommand{\RTLfootfootmark}{%
11699 \ifdim\footmarkwidth < \z@
11700   \llap{\hb@xt@ -\footmarkwidth{%
11701     \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11702     \hspace*{-\footmarkwidth}}%
11703 \else
11704   \ifdim\footmarkwidth = \z@
11705     {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11706   \else
11707     \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11708   \fi
11709 \fi}
11710 \fi
11711 }

```

66 File framed-xetex-bidi.def

```

11712 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for xetex]
11713 \renewcommand\TitleBarFrame[3][\begingroup
11714   \ifx\delimiter#1\delimiter
11715     \let\TF@conlab\@empty
11716   \else
11717     \def\TF@conlab{% continuation label
11718       \nointerlineskip
11719       \smash{\rlap{\kern\wd@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
11720   \fi
11721   %\let\TF@savecolor\current@color
11722   \textcolor{TF@FrameColor}{%
11723     \CustomFBox
11724     {\TF@Title{#2}}{\TF@conlab}%
11725     \fboxrule\fboxrule\fboxrule\fboxrule
11726     %{\let\current@color\TF@savecolor\set@color #3}%
11727     {\normalcolor #3}%
11728   }\endgroup
11729 }
11730 \renewenvironment{titled-frame}[1]{%
11731   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
11732     \TitleBarFrame{\textbf{#1}}}%
11733   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
11734     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
11735   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
11736     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (continued)}}%
11737   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt

```



```

11738 \TitleBarFrame{\textbf{#1\ (cont)}}}%
11739 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11740 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11741 % could interfere with the width measurement.
11742 {\endMakeFramed}
11743 \chardef\FrameRestore=\catcode`\| % for debug
11744 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
11745 \def\fb@put@frame#1#2{\relax
11746 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
11747 | \message{===== Entering putframe =====~^J
11748 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
11749 \ifinner
11750 \fb@putboxa#1%
11751 \fb@afterframe
11752 \else
11753 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11754 \ifdim\dimen@<2\baselineskip % Too little room on page
11755 | \message{Page has only \the\dimen@\space room left; eject.}%
11756 \eject \fb@adjheight \fb@put@frame#1#2%
11757 \else % there's appreciable room left on the page
11758 \fb@sizeofframe#1%
11759 | \message{\string\pagetotal=\the\pagetotal,
11760 | \string\pagegoal=\the\pagegoal,
11761 | \string\pagestretch=\the\pagestretch,
11762 | \string\pageshrink=\the\pageshrink,
11763 | \string\fb@frh=\the\fb@frh. \space}
11764 | \message{~^JBox of size \the\ht\@tempboxa\space}%
11765 \begingroup % temporarily set \dimen@ to be...
11766 \advance\dimen@.8\pageshrink % maximum space available on page
11767 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11768 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11769 \expandafter\endgroup
11770 % expand \ifdim, then restore \dimen@ to real room left on page
11771 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11772 | \message{fits in \the\dimen@.}%
11773 % ToDo: Change this to use vsplit anyway to capture the marks
11774 % MERGE THIS WITH THE else CLAUSE!!!
11775 \fb@putboxa#1%
11776 \fb@afterframe
11777 \else % box must be split
11778 | \message{must be split to fit in \the\dimen@.}%
11779 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11780 \fb@sizeofframe#2%
11781 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11782 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11783 \kern137sp\kern-137sp\penalty-30
11784 \unvbox\@tempboxa}%
11785 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11786 \splittopskip\the\splittopskip}%
11787 \boxmaxdepth\z@ \splittopskip\z@
11788 | \message{~^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11789 % Split box here
11790 \setbox\tw@\vsplit\@tempboxa to\dimen@
11791 | \toks99\expandafter{\splitfirstmark}%

```



```

11792 | \toks98\expandafter{\splitbotmark}%
11793 | \message{Marks are: \the\toks99, \the\toks98.}%
11794 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11795 | \message{Natural height of split box is \the\ht\tw@, leaving
11796 | \the\ht\@tempboxa\space remainder.}%
11797 | % If the split-to size > (\vsize-\topskip), then set box to full size.
11798 | \begingroup
11799 | \advance\dimen@\topskip
11800 | \expandafter\endgroup
11801 | \ifdim\dimen@>\pagegoal
11802 | \message{Frame is big -- Use up the full column.}%
11803 | \dimen@ii\pagegoal
11804 | \advance\dimen@ii -\topskip
11805 | \advance\dimen@ii \FrameHeightAdjust\relax
11806 | \else % suspect this is implemented incorrectly:
11807 | % If the split-to size > feasible room_on_page, rebox it smaller.
11808 | \advance\dimen@.8\pageshrink
11809 | \ifdim\ht\tw@>\dimen@
11810 | \message{Box too tall; rebox it to \the\dimen@.}%
11811 | \dimen@ii\dimen@
11812 | \else % use natural size
11813 | \dimen@ii\ht\tw@
11814 | \fi
11815 | \fi
11816 | % Re-box contents to desired size \dimen@ii
11817 | \advance\dimen@ii -\fb@frh
11818 | \setbox\tw@\vbox to\dimen@ii \bgroup
11819 | % remove simulated frame and page flexibility:
11820 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11821 | \unvbox\tw@ \unpenalty\unpenalty
11822 | \ifdim\lastkern=-137sp % whole box went to next page
11823 | \message{box split at beginning!}%
11824 | % need work here???
11825 | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11826 | \fb@adjheight
11827 | \fb@put@frame#1#2% INSERTED ???
11828 | \else % Got material split off at the head
11829 | \egroup \fb@resto@set
11830 | \ifvoid\@tempboxa % it all fit after all
11831 | \message{box split at end!}%
11832 | \setbox\@tempboxa\box\tw@
11833 | \fb@putboxa#1%
11834 | \fb@afterframe
11835 | \else % it really did split
11836 | \message{box split as expected. Its reboxed height is \the\ht\tw@.}%
11837 | \ifdim\wd\tw@>\z@
11838 | \wd\tw@\wd\@tempboxa
11839 | \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11840 | \else
11841 | \message{Zero width means likely blank. Don't frame it (guess)}%
11842 | \box\tw@
11843 | \fi
11844 | \hrule \@height\z@ \@width\hsize
11845 | \eject

```



```

11846             \fb@adjheight
11847             \fb@put@frame\LastFrameCommand\MidFrameCommand
11848 \fi\fi\fi\fi\fi
11849 }
11850 \def\fb@putboxa#1{%
11851   \ifvoid\@tempboxa
11852     \PackageWarning{framed}{Boxa is void -- discard it. }%
11853   \else
11854 |   \message{Frame and place boxa. }%
11855 |   %{\showoutput\showbox\@tempboxa}%
11856   \centerline{#1{\hboxL{\box\@tempboxa}}}%
11857   \fi
11858 }
11859 \catcode`\|=\FrameRestore
11860 \def\FrameRestore{%
11861   \let\if@nobreak\iffalse
11862   \let\if@noskipsec\iffalse
11863   \let\-\@dischph
11864   \let'\@acci\let'\@accii\let=\@acciii
11865   % \message{FrameRestore:
11866   %   \@totalleftmargin=\the \@totalleftmargin,
11867   %   \rightmargin=\the\rightmargin,
11868   %   \@listdepth=\the\@listdepth. }%
11869   % Test if we are in a list (or list-like paragraph)
11870   \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11871     \ifdim\rightmargin>\z@ 1\fi
11872     \ifnum\@listdepth>\z@ 1\fi 0>\z@
11873     % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11874     %   \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11875     %   \labelwidth=\the\labelwidth. }%
11876     \@setminipage % snug fit around the item
11877     % Now try to propagate changes of width from \hsize to list parameters.
11878     % This is deficient, but a more advanced way to indicate modification to text
11879     % dimensions is not (yet) provided; in particular, no separate left/right
11880     % adjustment.
11881     \advance\linewidth-\columnwidth \advance\linewidth\hsize
11882     \parshape\@ne \@totalleftmargin \linewidth
11883   \else % Not in list
11884     \linewidth=\hsize
11885     %\message{No list, set \string\linewidth=\the\hsize. }%
11886   \fi
11887   \sloppy
11888 }

```

67 File ftnright-xetex-bidi.def

```

11889 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
11890
11891 \def\prepare@bidi@copyins{%
11892   \global\bidicol@copyinsskip\skip\@bidi@copyins@
11893   \global\skip\@bidi@copyins@\z@
11894   \global\count\@bidi@copyins@\z@
11895   \global\dimen\@bidi@copyins@\texttheight}
11896

```



```

11897 \newskip\bidircol@copyinsskip
11898
11899 \def\LTR@outputdblcol{%
11900   \if@firstcolumn
11901     \global\@firstcolumnfalse
11902     \global\setbox\@leftcolumn\copy\@outputbox
11903     \global\count\footins\@m
11904     \global\skip\footins\rcol@footinsskip
11905     \global\count\@bidi@copyins@\@m
11906     \global\skip\@bidi@copyins@\@bidi@rcol@copyinsskip
11907     \splitmaxdepth\maxdimen
11908     \vbadness\maxdimen
11909     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11910     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11911     \toks@{\expandafter{\topmark}}%
11912     \xdef\@firstcoltopmark{\the\toks@}%
11913     \toks@{\expandafter{\splitfirstmark}}%
11914     \xdef\@firstcolfirstmark{\the\toks@}%
11915     \ifx\@firstcolfirstmark\empty
11916       \global\let\@setmarks\relax
11917     \else
11918       \gdef\@setmarks{%
11919         \let\firstmark\@firstcolfirstmark
11920         \let\topmark\@firstcoltopmark}%
11921     \fi
11922   \else
11923     \preparefootins
11924     \prepare@bidi@copyins
11925     \global\@firstcolumntrue
11926     \setbox\@outputbox\vbox{%
11927       \hb@xt@\textwidth{%
11928         \hb@xt@\columnwidth{%
11929           \bidi@firstcolumn@status@write%
11930           \box\@leftcolumn \hss}%
11931         \hfil
11932         {\normalcolor\vrule \@width\columnseprule}%
11933         \hfil
11934         \hb@xt@\columnwidth{%
11935           \bidi@lastcolumn@status@write%
11936           \box\@outputbox \hss}}}%
11937   \@combinedblfloats
11938   \@setmarks
11939   \@outputpage
11940   \begingroup
11941     \@dblfloatplacement
11942     \@startdblcolumn
11943     \@whiles\if@fcolmade \fi{\@outputpage
11944       \@startdblcolumn}%
11945   \endgroup
11946 \fi}%
11947
11948 \def\RTL@outputdblcol{%
11949   \if@firstcolumn
11950     \global\@firstcolumnfalse

```



```

11951 \global\setbox\@leftcolumn\copy\@outputbox
11952 \global\count\footins\@m
11953 \global\skip\footins\rcol@footinsskip
11954 \global\count\@bidi@copyins@\@m
11955 \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
11956 \splitmaxdepth\maxdimen
11957 \vbadness\maxdimen
11958 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11959 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11960 \toks@\expandafter{\topmark}%
11961 \xdef\@firstcoltopmark{\the\toks@}%
11962 \toks@\expandafter{\splitfirstmark}%
11963 \xdef\@firstcolfirstmark{\the\toks@}%
11964 \ifx\@firstcolfirstmark\@empty
11965 \global\let\@setmarks\relax
11966 \else
11967 \gdef\@setmarks{%
11968 \let\firstmark\@firstcolfirstmark
11969 \let\topmark\@firstcoltopmark}%
11970 \fi
11971 \else
11972 \preparefootins
11973 \prepare@bidi@copyins
11974 \global\@firstcolumntrue
11975 \setbox\@outputbox\vbox{%
11976 \hb@xt@\textwidth{%
11977 \hskip \columnwidth
11978 \hfil
11979 {\normalcolor\vrule \@width\columnseprule}%
11980 \hfil
11981 \hb@xt@\columnwidth{%
11982 \bidi@firstcolumn@status@write%
11983 \box\@leftcolumn \hss}%
11984 \hskip -\textwidth
11985 \hb@xt@\columnwidth{%
11986 \bidi@lastcolumn@status@write%
11987 \box\@outputbox \hss}%
11988 \hskip \columnsep
11989 \hskip \columnwidth }}%
11990 \@combinedblfloats
11991 \@setmarks
11992 \@outputpage
11993 \begin@group
11994 \@dblfloatplacement
11995 \@startdblcolumn
11996 \@whilesw\if@fcolmade \fi{\@outputpage
11997 \@startdblcolumn}%
11998 \end@group
11999 \fi}%
12000
12001 \def\@startcolumn{%
12002 \ifx\@deferlist\@empty
12003 \global\@fcolmadefalse
12004 \global\@colroom\@colht

```



```

12005 \else
12006   \ifvoid\footins\else
12007     \ftn@amount\ht\footins
12008     \advance\ftn@amount\dp\footins
12009     \advance\ftn@amount\skip\footins
12010   \fi
12011   \ifvoid\@bidi@copyins@\else
12012     \bidi@copyins@amount\ht\@bidi@copyins@
12013     \advance\bidi@copyins@amount\dp\@bidi@copyins@
12014     \advance\bidi@copyins@amount\skip\@bidi@copyins@
12015   \fi
12016   \global\advance\@colht-\ftn@amount
12017   \global\advance\@colht-\bidi@copyins@amount
12018   \global\@colroom\@colht
12019   \@xstartcol
12020   \global\advance\@colht\ftn@amount
12021   \global\advance\@colroom\ftn@amount
12022   \global\advance\@colht\bidi@copyins@amount
12023   \global\advance\@colroom\bidi@copyins@amount
12024 \fi
12025 \if@fcolmade
12026   \setbox\@cclv\box\@outputbox
12027   \@makecol
12028 \else
12029   \ifvoid\footins\else
12030     \insert\footins{\unvbox\footins}\fi
12031   \ifvoid\@bidi@copyins@\else
12032     \insert\@bidi@copyins@\unvbox\@bidi@copyins@\fi
12033 \fi}
12034
12035 \newdimen\bidi@copyins@amount
12036
12037 \def\@makecol{\if@firstcolumn
12038   \setbox\@outputbox\box\@cclv
12039   \if@twocolumn \else
12040     \ifvoid\footins \else
12041       \@latexerr{ftnright package
12042         used in one-column mode}%
12043     {The ftnright package was designed to
12044       work with LaTeX's standard^^Jtwocolumn
12045       option. It does *not* work with the
12046       multicol package.^^JSo please specify
12047       `twocolumn' in the
12048       \noexpand\documentclass command.}%
12049     \shipout\box\footins \fi
12050     \ifvoid\@bidi@copyins@ \else
12051       \@latexerr{ftnright package
12052         used in one-column mode}%
12053     {The ftnright package was designed to
12054       work with LaTeX's standard^^Jtwocolumn
12055       option. It does *not* work with the
12056       multicol package.^^JSo please specify
12057       `twocolumn' in the
12058       \noexpand\documentclass command.}%

```



```

12059     \shipout\box\@bidi@copyins@ \fi\fi
12060 \ifnum\insertpenalties>\z@
12061     \@latexerr{ftnright package
12062         scrambled footnotes}%
12063 {There is too much footnote material in
12064 the first column and ftnright^^Jis
12065 unable to cope with this.^^JYou need
12066 to reduce the amount to get a properly
12067 formatted page.}%
12068 \fi
12069 \else
12070 \ifvoid\footins
12071     \ifvoid\@bidi@copyins@
12072     \setbox\@outputbox\box\@cclv
12073     \else
12074     \setbox\@outputbox\vbox
12075     {\ifvoid\@cclv \else
12076     \unvbox\@cclv
12077     \vskip \skip\@bidi@copyins@
12078     \fi
12079     \color@begingroup
12080     \normalcolor
12081     \unvbox \@bidi@copyins@
12082     \color@endgroup}%
12083 \fi
12084 \else
12085     \setbox\@outputbox\vbox
12086     {\ifvoid\@cclv \else
12087     \unvbox\@cclv
12088     \vskip\skip\footins\fi
12089     \color@begingroup
12090     \normalcolor
12091     \footnoterule\unvbox\footins
12092     \color@endgroup
12093     \ifvoid\@bidi@copyins@
12094     \else
12095     \vskip \skip\@bidi@copyins@
12096     \color@begingroup
12097     \normalcolor
12098     \unvbox \@bidi@copyins@
12099     \color@endgroup
12100     \fi
12101     }%
12102 \fi
12103 \fi
12104 \xdef\@freelist{\@freelist\@midlist}%
12105 \global \let \@midlist \@empty
12106 \@combinefloats
12107 \ifvbox\@kludgeins
12108     \@makespecialcolbox
12109 \else
12110     \setbox\@outputbox\vbox to\@colht
12111     {\boxmaxdepth\maxdepth
12112     \@texttop

```




```

12113 \tempdima\dp\@outputbox
12114 \unvbox\@outputbox
12115 \vskip-\@tempdima
12116 \textbottom}%
12117 \fi
12118 \global\maxdepth\@maxdepth}
12119
12120 \let\leftfootnoterule\@empty
12121 \let\rightfootnoterule\@empty
12122 \let\textwidthfootnoterule\@empty
12123 \let\autofootnoterule\@empty
12124 \let\footnoterule\@empty
12125 \long\def\@makefntext#1{\parindent 1em
12126 \noindent\hbox to 2em{}}%
12127 \llap{\@thefnmark\hbox{.}\,\,}#1}
12128
12129 \setlength{\skip\@bidi@copyins@}
12130 {10pt plus 5pt minus 3pt}
12131 \AtBeginDocument{\prepare@bidi@copyins}

```

68 File graphicx-xetex-bidi.def

```

12132 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
12133 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
12134 \Grot@setangle{#1}%
12135 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
12136 \Grot@x\z@
12137 \Grot@y\z@
12138 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
12139 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
12140 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
12141 \Grot@x\width \divide\Grot@x\tw@
12142 \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
12143 \setkeys{Grot}{#1}%
12144 \setbox\z@\box@tempboxa
12145 \Grot@setangle{#2}%
12146 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
12147 \end@tempboxa}
12148 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
12149 \leavevmode
12150 \def\Gscale@x{#1}\def\Gscale@y{#2}%
12151 \setbox\z@\hbox{#3}%
12152 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
12153 \ifdim#2\p@<\z@
12154 \ht\tw@-\#2\dp\z@
12155 \dp\tw@-\#2\ht\z@
12156 \else
12157 \ht\tw@#2\ht\z@
12158 \dp\tw@#2\dp\z@
12159 \fi
12160 \ifdim#1\p@<\z@
12161 \hb@xt@-\#1\wd\z@{\kern-\#1\wd\z@\box\tw@\hss}%
12162 \else
12163 \wd\tw@#1\wd\z@

```



```

12164 \box\tw@
12165 \fi\ifmmode\else\if@RTL\endL\fi\fi}
12166 \def\Gin@iii[#1,#2][#3,#4]#5{%
12167 \begingroup
12168 \ifmmode\else\if@RTL\beginL\fi\fi
12169 \Gin@bboxtrue
12170 \Gin@defaultbp\Gin@llx{#1}%
12171 \Gin@defaultbp\Gin@lly{#2}%
12172 \Gin@defaultbp\Gin@urx{#3}%
12173 \Gin@defaultbp\Gin@ury{#4}%
12174 \Gininclude@graphics{#5}%
12175 \ifmmode\else\if@RTL\endL\fi\fi
12176 \endgroup}
12177 \def\Gin@ii[#1]#2{%
12178 \def\@tempa{[]}\def\@tempb{#2}%
12179 \ifx\@tempa\@tempb
12180 \def\@tempa{\Gin@iii[#1] []}%
12181 \expandafter\@tempa
12182 \else
12183 \begingroup
12184 \ifmmode\else\if@RTL\beginL\fi\fi
12185 \@tempswafalse
12186 \toks@{\Gininclude@graphics{#2}}%
12187 \setkeys{Gin}{#1}%
12188 \Gin@esetsize
12189 \the\toks@
12190 \ifmmode\else\if@RTL\endL\fi\fi
12191 \endgroup
12192 \fi}
12193 \def\reflectbox{\bidiGscale@box-1[1]}
12194 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
12195 \leavevmode
12196 \def\Gscale@x{#1}\def\Gscale@y{#2}%
12197 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL
12198 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
12199 \ifdim#2\p@<\z@
12200 \ht\tw@-#2\dp\z@
12201 \dp\tw@-#2\ht\z@
12202 \else
12203 \ht\tw@#2\ht\z@
12204 \dp\tw@#2\dp\z@
12205 \fi
12206 \ifdim#1\p@<\z@
12207 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
12208 \else
12209 \wd\tw@#1\wd\z@
12210 \box\tw@
12211 \fi\ifmmode\else\if@RTL\endL\fi\fi}
12212 \def\scalebox#1{%
12213 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
12214 \def\resizebox{%
12215 \leavevmode
12216 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
12217 \def\bidiGscale@@box#1#2#3{%

```



```

12218 \let\@tempa\Gin@exclamation
12219 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
12220 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
12221 \ifx\@tempb\@tempa
12222 \ifx\@tempc\@tempa
12223 \toks@{\mbox}%
12224 \else
12225 \toks@{\bidiGscale@box@dd{#3}#1}%
12226 \fi
12227 \else
12228 \ifx\@tempc\@tempa
12229 \toks@{\bidiGscale@box@dd{#2}\width}%
12230 \else
12231 \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
12232 \fi
12233 \fi
12234 \the\toks@}
12235 \long\def\bidiGscale@box@dd#1#2#3{%
12236 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
12237 \setlength\@tempdima{#1}%
12238 \setlength\@tempdimb{#2}%
12239 \Gscale@div\@tempa\@tempdima\@tempdimb
12240 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
12241 \@end@tempboxa}
12242 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
12243 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
12244 \setlength\@tempdima{#1}%
12245 \setlength\@tempdimb{#2}%
12246 \Gscale@div\@tempa\@tempdima\@tempdimb
12247 \setlength\@tempdima{#3}%
12248 \setlength\@tempdimb{#4}%
12249 \Gscale@div\@tempb\@tempdima\@tempdimb
12250 \ifGin@iso
12251 \ifdim\@tempa\p>\@tempb\p@
12252 \let\@tempa\@tempb
12253 \else
12254 \let\@tempb\@tempa
12255 \fi
12256 \fi
12257 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
12258 \@end@tempboxa}

```

69 File geometry-xetex-bidi.def

```

12259 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
12260 \renewcommand*\Gm@vrules@mpi{%
12261 \if@RTLmain%
12262 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
12263 \llap{\Gm@vrule}\ignorespaces
12264 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
12265 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
12266 \else%
12267 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
12268 \hskip \textwidth\Gm@vrule\hskip \marginparsep

```



```

12269 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
12270 \renewcommand*{\Gm@vrules@mpii}{%
12271 \if@RTLmain%
12272 \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
12273 \hskip \textwidth\Gm@vrule\hskip \marginparsep
12274 \llap{\Gm@vrule}\hfil\Gm@vrule}%
12275 \else%
12276 \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
12277 \llap{\Gm@vrule}\ignorespaces
12278 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
12279 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
12280 \bidi@patchcmd{\Gm@pageframes}{%
12281 \ifodd\count\z@
12282 \let\@themargin\oddsidemargin
12283 \else
12284 \let\@themargin\evensidemargin
12285 \fi
12286 }{%
12287 \ifodd\count\z@
12288 \if@RTLmain
12289 \let\@themargin\evensidemargin
12290 \else
12291 \let\@themargin\oddsidemargin
12292 \fi
12293 \else
12294 \if@RTLmain
12295 \let\@themargin\oddsidemargin
12296 \else
12297 \let\@themargin\evensidemargin
12298 \fi
12299 \fi
12300 }{}{}

```

70 File hvfloat-xetex-bidi.def

```

12301 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package f
12302 \def\do@hvFloat[#1]#2#3{%
12303 \def\hv@shortCap{#1}
12304 \def\hv@longCap{#2}
12305 \def\hv@label{#3}
12306 %\newcommand*{\hvFloat}[5][[]]{%
12307 % [#1]: keyvalues
12308 % #2: type figure | table | ...
12309 % #3: float contents
12310 % [#4]: short caption
12311 % #5: caption
12312 % #6: label
12313 % \setDefault%
12314 % \def\@tempa{#1}%
12315 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
12316 \def\@tempa{90}%
12317 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
12318 \else \setlength{\hvMaxCapWidth}{\linewidth}
12319 \fi

```



```

12320 %
12321 % First we save the object in \hvObjectBox
12322 %
12323 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
12324 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
12325 \else
12326 \savebox{\hvObjectBox}{%
12327 \rotatebox{\hvSet@objectAngle}{%
12328 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
12329 \fi
12330 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
12331 %
12332 % Now we save the caption with its defined \hvCapWidth
12333 %
12334 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
12335 \else
12336 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
12337 \else
12338 \setlength{\hvCapWidth}{\hvObjectWidth}
12339 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12340 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12341 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
12342 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
12343 \else
12344 \setlength{\hvCapWidth}{\hvMaxCapWidth}
12345 \fi
12346 \fi
12347 \fi
12348 %
12349 % now we have the object and the caption with the right
12350 % rotated angles saved in boxes
12351 %
12352 \def\fps@figure{\hvSet@floatPos}
12353 \ifhv@nonFloat\begin{group}% Start the nonfloat part
12354 \else \begin{\hv@floatType}% Start the floating environment
12355 \fi%
12356 \saveCaptionSkip% we put this space ourselves
12357 \ifx\hvSet@capAngle\hv@Width % need rotation?
12358 \sbox{\hvCaptionBox}{%
12359 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12360 \ifhv@nonFloat%
12361 \ifhv@onlyText#2%
12362 \else%
12363 \ifx\hv@floatType\hv@figure
12364 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
12365 \else
12366 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
12367 \fi
12368 \fi
12369 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
12370 \fi%
12371 \label{#3}%
12372 \end{minipage}%
12373 }%

```



```

12374 \else%
12375 \sbox{\hvCaptionBox}{%
12376 \rotatebox{\hvSet@capAngle}{%
12377 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12378 \ifhv@nonFloat%
12379 \ifhv@onlyText#2%
12380 \else%
12381 \ifx\hv@floatType\hv@figure
12382 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
12383 \else
12384 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
12385 \fi
12386 \fi
12387 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
12388 \fi%
12389 \label{#3}%
12390 \end{minipage}%
12391 }%
12392 }%
12393 \fi%
12394 %%
12395 \restoreCaptionSkip% save old values
12396 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
12397 \else%
12398 \ifx\hvSet@objectPos\hv@Center
12399 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
12400 \fi%
12401 \fi%
12402 %
12403 % to rotate object and caption together, we save all in another box
12404 % the caption comes first, if its on the left or the top
12405 %
12406 \savebox{\@tempboxa}{%
12407 \ifx\hvSet@capPos\hv@Left % caption on left side
12408 \ifRTL%
12409 \ifx\hvSet@capVPos\hv@Center%
12410 \ifhv@fbox
12411 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
12412 \else
12413 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
12414 \fi%
12415 \hspace{\hvSet@floatCapSep pt}%
12416 \ifhv@fbox
12417 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12418 \else
12419 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12420 \fi%
12421 \else%
12422 \ifx\hvSet@capVPos\hv@Top
12423 \ifhv@fbox
12424 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12425 \else
12426 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12427 \fi%

```



```

12428 \hspace{\hvSet@floatCapSep pt}%
12429 \ifhv@fbox
12430 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12431 \else
12432 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12433 \fi
12434 \else
12435 \ifhv@fbox
12436 \fbox{\usebox{\hvObjectBox}}%
12437 \else
12438 \usebox{\hvObjectBox}%
12439 \fi
12440 \hspace{\hvSet@floatCapSep pt}%
12441 \ifhv@fbox
12442 \fbox{\usebox{\hvCaptionBox}}%
12443 \else
12444 \usebox{\hvCaptionBox}%
12445 \fi%
12446 \fi%
12447 \fi%
12448 \else% not RTL
12449 \ifx\hvSet@capVPos\hv@Center%
12450 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12451 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12452 \fi%
12453 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12454 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
12455 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12456 \fi%
12457 \else%
12458 \ifx\hvSet@capVPos\hv@Top % caption at top
12459 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12460 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12461 \fi
12462 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12463 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12464 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12465 \fi%
12466 \else% caption on bottom
12467 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12468 \else\usebox{\hvCaptionBox}
12469 \fi%
12470 \hspace{\hvSet@floatCapSep pt}%
12471 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12472 \else \usebox{\hvObjectBox}
12473 \fi%
12474 \fi%
12475 \fi% end of RTL
12476 \fi%
12477 \else
12478 \ifx\hvSet@capPos\hv@Top
12479 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12480 \begin{minipage}{\wd\hvCaptionBox}
12481 \else

```



```

12482 \begin{minipage}{\wd\hvObjectBox}
12483 \fi
12484 \centering
12485 \ifhv@fbox
12486 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
12487 \fbox{\usebox{\hvObjectBox}}
12488 \else
12489 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
12490 \usebox{\hvObjectBox}
12491 \fi%
12492 \end{minipage}
12493 \else
12494 \ifx\hvSet@capPos\hv@Bottom
12495 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12496 \begin{minipage}{\wd\hvCaptionBox}
12497 \else
12498 \begin{minipage}{\wd\hvObjectBox}
12499 \fi
12500 \centering
12501 \ifhv@fbox
12502 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
12503 \fbox{\usebox{\hvCaptionBox}}
12504 \else
12505 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12506 \usebox{\hvCaptionBox}
12507 \fi%
12508 \end{minipage}
12509 \else% the last option: put the caption on the right
12510 \if@RTL%
12511 \ifx\hvSet@capVPos\hv@Center%
12512 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12513 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12514 \fi%
12515 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12516 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12517 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12518 \fi%
12519 \else%
12520 \ifx\hvSet@capVPos\hv@Top % caption at top
12521 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12522 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12523 \fi
12524 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12525 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
12526 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12527 \fi%
12528 \else% caption on bottom
12529 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12530 \else\usebox{\hvCaptionBox}
12531 \fi%
12532 \hspace{\hvSet@floatCapSep pt}%
12533 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12534 \else \usebox{\hvObjectBox}
12535 \fi%

```




```

12536     \fi%
12537   \fi%
12538 \else% not RTL
12539 \ifx\hvSet@capVPos\hv@Center%
12540 \ifhv@fbox
12541 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12542 \else
12543 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12544 \fi%
12545 \hspace{\hvSet@floatCapSep pt}%
12546 \ifhv@fbox
12547 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12548 \else
12549 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12550 \fi%
12551 \else%
12552 \ifx\hvSet@capVPos\hv@Top
12553 \ifhv@fbox
12554 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12555 \else
12556 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12557 \fi%
12558 \hspace{\hvSet@floatCapSep pt}%
12559 \ifhv@fbox
12560 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12561 \else
12562 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12563 \fi
12564 \else
12565 \ifhv@fbox
12566 \fbox{\usebox{\hvObjectBox}}%
12567 \else
12568 \usebox{\hvObjectBox}%
12569 \fi
12570 \hspace{\hvSet@floatCapSep pt}%
12571 \ifhv@fbox
12572 \fbox{\usebox{\hvCaptionBox}}%
12573 \else
12574 \usebox{\hvCaptionBox}%
12575 \fi%
12576 \fi%
12577 \fi
12578 \fi% end of RTL
12579 \fi
12580 \fi
12581 \fi
12582 }% End savebox Object and caption
12583 %
12584 % now we rotate the object and caption, if needed
12585 %
12586 \ifx\hvSet@rotAngle\hv@Zero
12587 \usebox{\@tempboxa}
12588 \else
12589 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}

```



```

12590 \fi
12591 \ifhv@nonFloat
12592 \ifx\hvSet@objectPos\hv@Center
12593 \ifhv@nonFloat
12594 \hspace{\fill}
12595 \fi
12596 \fi
12597 \endgroup% End the nonfloat part
12598 \else
12599 \end{\hv@floatType}% End the floating environment
12600 \fi
12601 }

```

71 File hyperref-xetex-bidi.def

```

12602 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
12603 \AtBeginDocument{%
12604 \def\contentsline#1#2#3#4{%
12605   \ifx\#4\%
12606     \csname l@#1\endcsname{#2}{#3}%
12607   \else
12608     \ifcase\Hy@linktoc % none
12609       \csname l@#1\endcsname{#2}{#3}%
12610     \or % section
12611       \csname l@#1\endcsname{%
12612         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12613       }{#3}%
12614     \or % page
12615       \csname l@#1\endcsname{#2}{#3}%
12616       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12617     }%
12618     \else % all
12619       \csname l@#1\endcsname{%
12620         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12621       }{#3}%
12622       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12623     }%
12624   \fi
12625 }
12626 }
12627 \ifHy@hyperfootnotes
12628 \let\H@@footnotetext\@footnotetext
12629 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12630 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12631 \def\@xfootnotenext[#1]{%
12632 \begingroup
12633   \csname c@#1\endcsname #1\relax
12634   \unrestored@protected@xdef\@thefnmark{\thempfn}%
12635 \endgroup
12636 \ifx\@footnotetext\@mpfootnotetext
12637   \expandafter\H@@mpfootnotetext
12638 \else
12639   \expandafter\H@@footnotetext
12640 \fi

```



```

12641 }%
12642 \def\xRTLfootnotenext[#1]{%
12643 \begingroup
12644 \csname c@\mpfn\endcsname #1\relax
12645 \unrestored@protected\xdef\@thefnmark{\thempfn}%
12646 \endgroup
12647 \ifx\RTLfootnotetext\mpRTLfootnotetext
12648 \expandafter\HRTL@\mpRTLfootnotetext
12649 \else
12650 \expandafter\HRTL@\RTLfootnotetext
12651 \fi
12652 }%
12653 \def\xLTRfootnotenext[#1]{%
12654 \begingroup
12655 \csname c@\mpfn\endcsname #1\relax
12656 \unrestored@protected\xdef\@thefnmark{\thempfn}%
12657 \endgroup
12658 \ifx\LTRfootnotetext\mpLTRfootnotetext
12659 \expandafter\HLTR@\mpLTRfootnotetext
12660 \else
12661 \expandafter\HLTR@\LTRfootnotetext
12662 \fi
12663 }%
12664 \def\xfootnotemark[#1]{%
12665 \begingroup
12666 \c@footnote #1\relax
12667 \unrestored@protected\xdef\@thefnmark{\thefootnote}%
12668 \endgroup
12669 \H@\footnotemark
12670 }%
12671 \let\H@\mpfootnotetext\mpfootnotetext
12672 \let\HRTL@\mpRTLfootnotetext\mpRTLfootnotetext
12673 \let\HLTR@\mpLTRfootnotetext\mpLTRfootnotetext
12674 \long\def\mpfootnotetext#1{%
12675 \H@\mpfootnotetext{%
12676 \ifHy@nesting
12677 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12678 \else
12679 \Hy@raisedlink{%
12680 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12681 }#1%
12682 \fi
12683 }%
12684 }%
12685 \long\def\mpRTLfootnotetext#1{%
12686 \HRTL@\mpRTLfootnotetext{%
12687 \ifHy@nesting
12688 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12689 \else
12690 \Hy@raisedlink{%
12691 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12692 }#1%
12693 \fi
12694 }%

```



```

12695 }%
12696 \long\def\@mpLTRfootnotetext#1{%
12697 \HLTR@mpLTRfootnotetext{%
12698 \ifHy@nesting
12699 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12700 \else
12701 \Hy@raisedlink{%
12702 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12703 }#1%
12704 \fi
12705 }%
12706 }%
12707 \long\def\@footnotetext#1{%
12708 \H@@footnotetext{%
12709 \ifHy@nesting
12710 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12711 \else
12712 \Hy@raisedlink{%
12713 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12714 }%
12715 \let\@currentHlabel\Hy@footnote@currentHlabel
12716 \let\@currentHref\Hy@footnote@currentHref
12717 \let\@currentlabelname\@empty
12718 #1%
12719 \fi
12720 }%
12721 }%
12722 \long\def\@RTLfootnotetext#1{%
12723 \HRTL@RTLfootnotetext{%
12724 \ifHy@nesting
12725 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12726 \else
12727 \Hy@raisedlink{%
12728 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12729 }%
12730 \let\@currentHlabel\Hy@footnote@currentHlabel
12731 \let\@currentHref\Hy@footnote@currentHref
12732 \let\@currentlabelname\@empty
12733 #1%
12734 \fi
12735 }%
12736 }%
12737 \long\def\@LTRfootnotetext#1{%
12738 \HLTR@LTRfootnotetext{%
12739 \ifHy@nesting
12740 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12741 \else
12742 \Hy@raisedlink{%
12743 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12744 }%
12745 \let\@currentHlabel\Hy@footnote@currentHlabel
12746 \let\@currentHref\Hy@footnote@currentHref
12747 \let\@currentlabelname\@empty
12748 #1%

```



```

12749     \fi
12750   }%
12751 }%
12752 \ifpackageloaded{tabularx}{%
12753 \let\HyOrg@TX@endtabularx\TX@endtabularx
12754 \def\Hy@tabularx@hook{%
12755   \let\@footnotetext\H@@footnotetext
12756   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12757   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12758   \let\@footnotemark\H@@footnotemark
12759   \let\@mpfootnotetext\H@@mpfootnotetext
12760   \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
12761   \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
12762 }%
12763 \begingroup
12764   \toks@{\expandafter{\TX@endtabularx}}%
12765   \xdef\Hy@gtemp{%
12766     \noexpand\Hy@tabularx@hook
12767     \the\toks@
12768   }%
12769 \endgroup
12770 \let\TX@endtabularx\Hy@gtemp
12771 }{}%
12772 \ifpackageloaded{longtable}{%
12773 \CheckCommand*{\LT@p@LTRfnttext}[1]{%
12774   \edef\@tempa{%
12775     \the\LT@p@ftn
12776     \noexpand\LTRfootnotetext[\the\c@footnote]}%
12777   }%
12778   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12779 }%
12780 \long\def\LT@p@LTRfnttext#1{%
12781   \edef\@tempa{%
12782     \the\LT@p@ftn
12783     \begingroup
12784       \noexpand\c@footnote=\the\c@footnote\relax
12785       \noexpand\protected@xdef\noexpand\@thefnmark{%
12786         \noexpand\thempfn
12787       }%
12788       \noexpand\Hy@LT@LTRfootnotetext{%
12789         \Hy@footnote@currentHref
12790       }%
12791     }%
12792     \global\LT@p@ftn\expandafter{%
12793       \@tempa{#1}%
12794     }%
12795   }%
12796 }%
12797 \long\def\Hy@LT@LTRfootnotetext#1#2{%
12798   \HLTR@@LTRfootnotetext{%
12799     \ifHy@nesting
12800       \hyper@@anchor{#1}{#2}%
12801     \else
12802       \Hy@raisedlink{%

```



```

12803         \hyper@@anchor{#1}{\relax}%
12804     }%
12805     \def\@currentHref{#1}%
12806     \let\@currentlabelname\@empty
12807     #2%
12808     \fi
12809 }%
12810 }%
12811 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12812     \edef\@tempa{%
12813         \the\LT@p@ftn
12814         \noexpand\RTLfootnotetext[\the\c@footnote]}%
12815     }%
12816     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12817 }%
12818 \long\def\LT@p@RTLftntext#1{%
12819     \edef\@tempa{%
12820         \the\LT@p@ftn
12821         \begingroup
12822         \noexpand\c@footnote=\the\c@footnote\relax
12823         \noexpand\protected@xdef\noexpand\@thefnmark{%
12824             \noexpand\thempfn
12825         }%
12826         \noexpand\Hy@LT@RTLfootnotetext{%
12827             \Hy@footnote@currentHref
12828         }%
12829     }%
12830     \global\LT@p@ftn\expandafter{%
12831         \@tempa{#1}%
12832     }\endgroup
12833 }%
12834 }%
12835 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12836     \HRTL@RTLfootnotetext{%
12837         \ifHy@nesting
12838             \hyper@@anchor{#1}{#2}%
12839         \else
12840             \Hy@raisedlink{%
12841                 \hyper@@anchor{#1}{\relax}%
12842             }%
12843             \def\@currentHref{#1}%
12844             \let\@currentlabelname\@empty
12845             #2%
12846         \fi
12847     }%
12848 }%
12849 }{}%
12850 \@ifpackageloaded{bidipoem}{%
12851     \long\def\bidipoem@p@ftntext#1{%
12852         \edef\@tempx{%
12853             \the\bidipoem@p@ftn
12854             \begingroup
12855             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12856             \noexpand\protected@xdef\noexpand\@thefnmark{%

```



```

12857         \noexpand\thempfn
12858     }%
12859     \noexpand\Hy@bidipoem@footnotetext{%
12860         \Hy@footnote@currentHref
12861     }%
12862 }%
12863 \global\bidipoem@p@ftn\expandafter{%
12864     \@tempxi{#1}%
12865 }%
12866 \endgroup
12867 }%
12868 \long\def\Hy@bidipoem@footnotetext#1#2{%
12869     \H@@footnotetext{%
12870         \ifHy@nesting
12871             \hyper@@anchor{#1}{#2}%
12872         \else
12873             \Hy@raisedlink{%
12874                 \hyper@@anchor{#1}{\relax}%
12875             }%
12876             \def\@currentHref{#1}%
12877             \let\@currentlabelname\@empty
12878             #2%
12879         \fi
12880     }%
12881 }%
12882 \long\def\bidipoem@p@LTRftntext#1{%
12883     \edef\@tempxi{%
12884         \the\bidipoem@p@ftn
12885     }%
12886     \begingroup
12887         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12888         \noexpand\protected@xdef\noexpand\@thefnmark{%
12889             \noexpand\thempfn
12890         }%
12891         \noexpand\Hy@bidipoem@LTRfootnotetext{%
12892             \Hy@footnote@currentHref
12893         }%
12894     }%
12895     \global\bidipoem@p@ftn\expandafter{%
12896         \@tempxi{#1}%
12897     }%
12898 }%
12899 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12900     \HLTR@@LTRfootnotetext{%
12901         \ifHy@nesting
12902             \hyper@@anchor{#1}{#2}%
12903         \else
12904             \Hy@raisedlink{%
12905                 \hyper@@anchor{#1}{\relax}%
12906             }%
12907             \def\@currentHref{#1}%
12908             \let\@currentlabelname\@empty
12909             #2%
12910         \fi

```



```

12911 }%
12912 }%
12913 \long\def\bidipoem@p@RTLftntext#1{%
12914 \edef\@tempxi{%
12915 \the\bidipoem@p@ftn
12916 \begingroup
12917 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12918 \noexpand\protected@xdef\noexpand\@thefnmark{%
12919 \noexpand\thempfn
12920 }%
12921 \noexpand\Hy@bidipoem@RTLfootnotetext{%
12922 \Hy@footnote@currentHref
12923 }%
12924 }%
12925 \global\bidipoem@p@ftn\expandafter{%
12926 \@tempxi{#1}%
12927 \endgroup
12928 }%
12929 }%
12930 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12931 \HRTL@RTLfootnotetext{%
12932 \ifHy@nesting
12933 \hyper@@anchor{#1}{#2}%
12934 \else
12935 \Hy@raisedlink{%
12936 \hyper@@anchor{#1}{\relax}%
12937 }%
12938 \def\@currentHref{#1}%
12939 \let\@currentlabelname\empty
12940 #2%
12941 \fi
12942 }%
12943 }%
12944 }{}%
12945 \let\HyOrg@maketitle\maketitle
12946 \def\maketitle{%
12947 \let\Hy@saved@footnotemark\@footnotemark
12948 \let\Hy@saved@footnotetext\@footnotetext
12949 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12950 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12951 \let\@footnotemark\H@footnotemark
12952 \let\@footnotetext\H@footnotetext
12953 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
12954 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
12955 \@ifnextchar[\Hy@maketitle@optarg{% ]
12956 \HyOrg@maketitle
12957 \Hy@maketitle@end
12958 }%
12959 }%
12960 \def\Hy@maketitle@optarg[#1]{%
12961 \HyOrg@maketitle[#{#1}]%
12962 \Hy@maketitle@end
12963 }%
12964 \def\Hy@maketitle@end{%

```




```

12965 \ifx\@footnotemark\H@@footnotemark
12966 \let\@footnotemark\Hy@saved@footnotemark
12967 \fi
12968 \ifx\@footnotetext\H@@footnotetext
12969 \let\@footnotetext\Hy@saved@footnotetext
12970 \fi
12971 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12972 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12973 \fi
12974 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12975 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12976 \fi
12977 }%
12978 \def\realfootnote{%
12979 \@ifnextchar[\@xfootnote{%
12980 \stepcounter{\@mpfn}%
12981 \protected@xdef\@thefnmark{\thempfn}%
12982 \H@@@footnotemark\H@@@footnotetext
12983 }%
12984 }%
12985 \fi
12986 \def\Hy@BeginAnnot#1{%
12987 \ifmmode\else\beginL\fi%
12988 \global\advance\c@Hy@AnnotLevel\@ne
12989 \ifnum\c@Hy@AnnotLevel=\@ne
12990 #1%
12991 \fi
12992 }
12993 \def\Hy@EndAnnot{%
12994 \ifnum\c@Hy@AnnotLevel=\@ne
12995 \Hy@endcolorlink
12996 \@pdfm@mark{eann}%
12997 \fi
12998 \global\advance\c@Hy@AnnotLevel\m@ne
12999 \ifmmode\else\endL\fi%
13000 }
13001 \def\hyper@link#1#2#3{%
13002 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi
13003 }
13004 \def\hyper@linkfile#1#2#3{%
13005 \leavevmode
13006 \Hy@BeginAnnot{%
13007 \def\Hy@pstringF{#2}%
13008 \Hy@CleanupFile\Hy@pstringF
13009 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
13010 \Hy@pstringdef\Hy@pstringD{#3}%
13011 \Hy@MakeRemoteAction
13012 \@pdfm@mark{%
13013 bann<<%
13014 /Type/Annot%
13015 /Subtype/Link%
13016 \ifHy@pdfa /F 4\fi
13017 \Hy@setpdfborder
13018 \ifx\@filebordercolor\relax

```



```

13019         \else
13020             /C[\@filebordercolor]%
13021         \fi
13022         /A<<%
13023             /S/GoToR%
13024             /F(\Hy@pstringF)%
13025             /D%
13026             \ifx\#3\%
13027                 [\Hy@href@page\@pdfremotestartview]%
13028             \else
13029                 (\Hy@pstringD)%
13030             \fi
13031             \Hy@SetNewWindow
13032             \Hy@href@nextactionraw
13033         >>%
13034     >>%
13035     }%
13036     \Hy@colorlink\@filecolor
13037 }%
13038 \ifmode\else\if@RTL\beginR\fi\fi#1\ifmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
13039 \Hy@EndAnnot
13040 }
13041 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
13042     \leavevmode
13043     \Hy@BeginAnnot{%
13044         \Hy@pstringdef\Hy@pstringF{#1}%
13045         \Hy@pstringdef\Hy@pstringP{#3}%
13046         \@pdfm@mark{%
13047             bann<<%
13048                 /Type/Annot%
13049                 /Subtype/Link%
13050                 \ifHy@pdfa /F 4\fi
13051                 \Hy@setpdfborder
13052                 \ifx\@runbordercolor\relax
13053                 \else
13054                     /C[\@runbordercolor]%
13055                 \fi
13056                 /A<<%
13057                     /F(\Hy@pstringF)%
13058                     /S/Launch%
13059                     \Hy@SetNewWindow
13060                     \ifx\#3\%
13061                     \else
13062                         /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
13063                     \fi
13064                     \Hy@href@nextactionraw
13065                 >>%
13066             >>%
13067             }%
13068             \Hy@colorlink\@runcolor
13069         }%
13070         \ifmode\else\if@RTL\beginR\fi\fi#2\ifmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
13071         \Hy@EndAnnot
13072     }

```



```

13073 \def\hyper@linkurl#1#2{%
13074   \leavevmode
13075   \Hy@BeginAnnot{%
13076     \Hy@pstringdef\Hy@pstringURI{#2}%
13077     \@pdfm@mark{%
13078       bann<<%
13079         /Type/Annot%
13080         /Subtype/Link%
13081         \ifHy@pdfa /F 4\fi
13082         \Hy@setpdfborder
13083         \ifx\@urlbordercolor\relax
13084         \else
13085           /C[\@urlbordercolor]%
13086         \fi
13087         /A<<%
13088         /S/URI%
13089         /URI(\Hy@pstringURI)%
13090         \ifHy@href@ismap
13091           /IsMap true%
13092         \fi
13093         \Hy@href@nextactionraw
13094       >>%
13095     >>%
13096   }%
13097   \Hy@colorlink\@urlcolor
13098 }%
13099 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
13100 \Hy@endAnnot
13101 }
13102 \def\Acrobatmenu#1#2{%
13103   \Hy@Acrobatmenu{#1}{#2}%
13104   \Hy@BeginAnnot{%
13105     \EdefEscapeName\Hy@temp@menu{#1}%
13106     \@pdfm@mark{%
13107       bann<<%
13108         /Type/Annot%
13109         /Subtype/Link%
13110         \ifHy@pdfa /F 4\fi
13111         \Hy@setpdfborder
13112         \ifx\@menubordercolor\relax
13113         \else
13114           /C[\@menubordercolor]%
13115         \fi
13116         /A<<%
13117         /S/Named%
13118         /N/\Hy@temp@menu
13119         \Hy@href@nextactionraw
13120       >>%
13121     >>%
13122   }%
13123   \Hy@colorlink\@menucolor
13124 }%
13125 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
13126 \Hy@endAnnot

```



```

13127 }%
13128 }
13129 \def\hyper@natlinkstart#1{%
13130   \Hy@backout{#1}%
13131   \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
13132   \def\hyper@nat@current{#1}%
13133 }
13134 \def\hyper@natlinkend{%
13135   \if@RTL\endR\fi\hyper@linkend
13136 }
13137 \def\hyper@natlinkbreak#1#2{%
13138   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
13139 }%
13140 }
13141 \pdfstringdefDisableCommands{%
13142   \let\LRE\@firstofone
13143   \let\LR\@firstofone
13144   \let\RLE\@firstofone
13145   \let\RL\@firstofone
13146   \def\XeTeX{Xe\TeX}%
13147   \def\XeLaTeX{Xe\LaTeX}%
13148 }
13149 \ifpackageloaded{longtable}{%
13150   \begingroup
13151     \def\y{\LT@array}%
13152     \ifundefined{scr@LT@array}{%
13153       \ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
13154     }\def\y{\scr@LT@array}%
13155     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
13156       \expandafter\endgroup
13157       \expandafter\def\y[#1]##2{%
13158         \H@refstepcounter{#1}%
13159         \hyper@makecurrent{table}%
13160         \let\Hy@LT@currentHref\@currentHref
13161         #2\@sharp####4%
13162       }%
13163     }%
13164     \expandafter\expandafter\expandafter\x\y[{#1}]{#2}\@nil
13165   \begingroup
13166     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
13167     \endgroup
13168     \def\LT@start{%
13169       #1%
13170       \ifvoid\LT@foot#2\fi
13171       \let\@currentHref\Hy@LT@currentHref
13172       \Hy@raisedlink{%
13173         \hyper@anchorstart{\@currentHref}\hyper@anchorend
13174       }%
13175       #3%
13176     }%
13177   }%
13178   \expandafter\x\LT@start\@nil
13179 }{}
13180 \bidi@patchcmd\@TextField{%

```



```

13181 \pdfmark
13182 }{%
13183 \if@RTL
13184 \hskip\Fld@width
13185 \fi
13186 \pdfmark
13187 }{}{}
13188 \bidi@patchcmd\@TextField{%
13189 \unhbox
13190 }{%
13191 \if@RTL
13192 \hskip-\Fld@width
13193 \fi
13194 \unhbox
13195 }{}{}
13196 \bidi@patchcmd\@@Radio{%
13197 \pdfmark
13198 }{%
13199 \if@RTL
13200 \hskip\Fld@width
13201 \fi
13202 \pdfmark
13203 }{}{}
13204 \bidi@patchcmd\@@Radio{%
13205 \unhcopy
13206 }{%
13207 \if@RTL
13208 \hskip-\Fld@width
13209 \fi
13210 \unhcopy
13211 }{}{}
13212 \bidi@patchcmd\@Submit{%
13213 \pdfmark
13214 }{%
13215 \if@RTL
13216 \null
13217 \hskip\wd\pdfm@box
13218 \fi
13219 \pdfmark
13220 }{}{}
13221 \bidi@patchcmd\@Submit{%
13222 \unhbox
13223 }{%
13224 \if@RTL
13225 \hskip-\wd\pdfm@box
13226 \fi
13227 \unhbox
13228 }{}{}
13229 \bidi@patchcmd\@Reset{%
13230 \pdfmark
13231 }{%
13232 \if@RTL
13233 \null
13234 \hskip\wd\pdfm@box

```



```

13235 \fi
13236 \@pdfm@mark
13237 }{}{}
13238 \bidi@patchcmd\@Reset{%
13239 \unhbox
13240 }{%
13241 \if@RTL
13242 \hskip-\wd\pdfm@box
13243 \fi
13244 \unhbox
13245 }{}{}

```

72 File imspdoc-xetex-bidi.def

```

13246 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class for
13247 \newenvironment{thebibliography}[1]{%
13248 \@bibttitlestyle
13249 \normalfont\bibliofont\labelsep .5em\relax
13250 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
13251 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13252 \bidi@thebibliography@font@hook
13253 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}}%
13254 \leftmargin\labelwidth \advance\leftmargin\labelsep
13255 \usecounter{enumiv}}%
13256 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
13257 \sfcode`\.=\@m
13258 }{%
13259 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
13260 \endlist
13261 }
13262
13263 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
13264 \columnseprule\z@ \columnsep 35\p@
13265 \@indextitlestyle
13266 \thispagestyle{plain}%
13267 \let\item\@idxitem
13268 \parindent\z@ \parskip\z@\@plus.3\p@\relax
13269 \if@RTL\raggedleft\else\raggedright\fi
13270 \hyphenpenalty\@M
13271 \footnotesize}
13272 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
13273 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
13274 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
13275
13276 \def\right@footnoterule{%
13277 \kern-.4\p@
13278 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
13279 \kern11\p@\kern-\footnotesep}
13280 \def\left@footnoterule{\kern-.4\p@
13281 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
13282 \def\@makefnmark{%
13283 \leavevmode
13284 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}}%
13285 }

```



```

13286
13287 \def\part{\@startsection{part}{0}%
13288   \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
13289   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
13290 \def\@tocline#1#2#3#4#5#6#7{\relax
13291   \ifnum #1>\c@tocdepth % then omit
13292   \else
13293     \par \addpenalty\@secpenalty\addvspace{#2}%
13294     \begingroup \hyphenpenalty\@M
13295     \ifempty{#4}{%
13296       \@tempdima\csname r@tocindent\number#1\endcsname\relax
13297     }{%
13298       \@tempdima#4\relax
13299     }%
13300     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
13301     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
13302     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
13303     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
13304     \nobreak
13305   \endgroup
13306   \fi}
13307 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
13308 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
13309 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
13310 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
13311 \def\maketitle{\par
13312   \@topnum\z@ % this prevents figures from falling at the top of page 1
13313   \@setcopyright
13314   \thispagestyle{firstpage}% this sets first page specifications
13315   \uppercase\nonmath\shorttitle
13316   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
13317   \else \andify\shortauthors
13318   \fi
13319   \@maketitle@hook
13320   \begingroup
13321   \@maketitle
13322   \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
13323   \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
13324   \edef\@tempa{%
13325     \nx\markboth{\the\toks4
13326       \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
13327   \@tempa
13328   \endgroup
13329   \c@footnote\z@
13330   \cleartopmattertags
13331 }

```

73 File leqno-xetex-bidi.def

```

13332 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
13333 \renewcommand\@eqnnum{\hbxt@.01p@{}}%
13334   \rlap{\hskip -\displaywidth
13335     {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```



74 File letter-xetex-bidi.def

```

13336 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter cl
13337 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
13338   \thispagestyle{firstpage}%
13339   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
13340 \else % home address
13341   \thispagestyle{empty}%
13342   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
13343     \fromaddress \*[2\parskip]%
13344     \@date \end{tabular}\par}%
13345 \fi
13346 \vspace{2\parskip}%
13347 {\if@RTL\raggedleft\else\raggedright\fi \toname \[2\parskip] \toaddress \par}%
13348 \vspace{2\parskip}%
13349 #1\par\nobreak}
13350 \renewcommand\left@footnoterule{%
13351   \kern-\p@
13352   \hrule \@width .4\columnwidth
13353   \kern .6\p@}
13354 \renewcommand\right@footnoterule{%
13355   \kern-\p@
13356   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13357   \kern .6\p@}

```

75 File lettrine-xetex-bidi.def

```

13358 \ProvidesFile{lettrine-xetex-bidi.def}[2019/05/01 v0.7 bidi adaptations for lettrine package
13359 \def\@lettrine[#1]#2#3{%
13360   \def\l@initial{#2}\let\l@refstring\l@initial
13361   \setcounter{L@lines}{\value{DefaultLines}}%
13362   \setcounter{L@depth}{\value{DefaultDepth}}%
13363   \renewcommand*{\L@hang}{\DefaultLhang}%
13364   \renewcommand*{\L@oversize}{\DefaultLoversize}%
13365   \renewcommand*{\L@raise}{\DefaultLraise}%
13366   \renewcommand*{\L@ante}{\}%
13367   \setlength{\L@Findent}{\DefaultFindent}%
13368   \setlength{\L@Nindent}{\DefaultNindent}%
13369   \setlength{\L@slope}{\DefaultSlope}%
13370   \setlength{\L@novskip}{\DiscardVskip}%
13371   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
13372   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
13373   \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
13374   \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
13375   \setkeys{L}{#1}%
13376   \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
13377   \ifL@realh
13378     \def\@tempa{#3}%
13379     \ifx\@tempa\@empty
13380       \PackageWarning{lettrine.sty}%
13381         {Empty second argument, \MessageBreak
13382          ignoring option `realheight';}%
13383     \else
13384       \sbox{\L@tbox}{\LettrineTextFont{#3}}%

```




```

13385 \fi
13386 \fi
13387 \if\DefaultOptionsFile\relax
13388 \else
13389 \begin{group}
13390 \InputIfFileExists{\DefaultOptionsFile}%
13391 {}%
13392 {\PackageWarning{lettrine.sty}%
13393 {File \DefaultOptionsFile\space not found}%
13394 }%
13395 \def\color##1##{\l@color{##1}}%
13396 \let\l@color\@gobbletwo
13397 \def\textcolor##1##{\l@textcolor{##1}}%
13398 \def\l@textcolor##1##2##3{##3}%
13399 \expandafter\ifx\csname l@#2-keys\endcsname\relax
13400 \gdef\l@LOKeys{}%
13401 \else
13402 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
13403 \fi
13404 \endgroup
13405 \def\KV@prefix{KV@L@}%
13406 \let\@tempc\relax
13407 \expandafter\KV@do\l@LOKeys,\relax,
13408 \setupL@lbox
13409 \setlength{\LettrineWidth}{\wd\L@lbox}%
13410 \def\KV@prefix{KV@L@}%
13411 \let\@tempc\relax
13412 \expandafter\KV@do\l@LOKeys,\relax,
13413 \setkeys{L}{#1}%
13414 \fi
13415 \setupL@lbox
13416 \setlength{\LettrineWidth}{\wd\L@lbox}%
13417 \setlength{\LettrineHeight}{\ht\L@lbox}%
13418 \setlength{\LettrineDepth}{\dp\L@lbox}%
13419 \begin{group}
13420 \def\IeC##1{##1}%
13421 \@tempdima=\L@oversize pt\relax
13422 \PackageInfo{lettrine.sty}%
13423 {Targeted height = \the\L@target@tth\MessageBreak
13424 (no accent, loversize=0),\MessageBreak
13425 Lettrine height = \the\LettrineHeight\space (#2)%
13426 \ifdim\@tempdima=\z@ \else \space loversize=\L@oversize\fi;%
13427 \MessageBreak reported}%
13428 \endgroup
13429 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13430 \setlength{\L@first}{\LettrineHeight}%
13431 \setlength{\L@lraise}{\L@raise\L@target@tth}%
13432 \addtolength{\L@first}{\L@lraise}%
13433 \ifnum\value{L@lines}=1
13434 \addtolength{\L@first}{-\ht\L@tbox}%
13435 \else
13436 \addtolength{\L@first}{-\L@target@tth}%
13437 \addtolength{\L@lraise}{-\L@target@dp}%
13438 \fi

```



```

13439 \par
13440 \ifdim\L@first>\L@novskip
13441   \ifL@grid
13442     \@tempdima=\baselineskip
13443     \@tempdimb=\@tempdima
13444     \advance\@tempdimb by \L@novskip
13445     \@tempcnta=1
13446     \loop\ifdim\L@first>\@tempdimb
13447       \advance\@tempcnta by 1
13448       \advance\L@first by -\@tempdima
13449     \repeat
13450     \L@first=\@tempcnta\baselineskip
13451   \fi
13452   \vskip\L@first
13453 \fi
13454 \setlength{\L@Pindent}{\wd\L@lbox}%
13455 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
13456 \settowidth{\L@first}{\L@ante}%
13457 \addtolength{\L@Pindent}{\L@first}%
13458 \addtolength{\L@Pindent}{\L@Findent}%
13459 \setlength{\L@first}{\linewidth}%
13460 \addtolength{\L@first}{-\L@Pindent}%
13461 \addtolength{\L@Nindent}{\L@Pindent}%
13462 \setlength{\L@next}{\linewidth}%
13463 \addtolength{\L@next}{-\L@Nindent}%
13464 \addtolength{\L@Pindent}{\@totalleftmargin}%
13465 \addtolength{\L@Nindent}{\@totalleftmargin}%
13466 \addtocounter{L@lines}{1}%
13467 \addtocounter{L@lines}{\value{L@depth}}%
13468 \if@RTL
13469   \def\L@parshape{\c@L@lines \z@ \the\L@first}%
13470 \else
13471   \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
13472 \fi
13473 \@tempcnta=\tw@
13474 \@whilenum \@tempcnta<\c@L@lines\do{%
13475   \if@RTL
13476     \edef\L@parshape{\L@parshape \z@ \the\L@next}%
13477   \else
13478     \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
13479   \fi
13480   \addtolength{\L@Nindent}{\L@slope}%
13481   \addtolength{\L@next}{-\L@slope}%
13482   \advance\@tempcnta\@ne}%
13483 \if@RTL
13484   \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
13485 \else
13486   \edef\L@parshape{\L@parshape \@totalleftmargin \the\linewidth}%
13487 \fi
13488 \noindent
13489 \parshape=\L@parshape\relax
13490 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
13491   \hskip \the\L@Findent}}%
13492 \usebox{\L@tbox}%

```



```

13493 \ifnum\@listdepth>0 \Lreset@listparshape \fi
13494 }

```

76 File `lineno-xetex-bidi.def`

```

13495 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for
13496 \bidi@patchcmd{\MakeLineNo}{\%
13497 \hb@xt@\z@\makeLineNumber}%
13498 }{\%
13499 \hboxL to \z@\makeLineNumber}%
13500 }{}{}
13501
13502 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{\%
13503 \if@RTL
13504 \hb@xt@\linenumberwidth{\LineNumber\hss}%
13505 \else
13506 \LineNumber
13507 \fi
13508 }{}{}
13509
13510 \bidi@patchcmd{\makeLineNumberRight}{\%
13511 \hb@xt@\linenumberwidth{\hss\LineNumber}%
13512 }{\%
13513 \if@RTL
13514 \LineNumber
13515 \else
13516 \hb@xt@\linenumberwidth{\hss\LineNumber}%
13517 \fi
13518 }{}{}
13519
13520 \bidi@AfterPreamble{\%
13521 \if@RTLmain
13522 \rightlinenumbers*
13523 \else
13524 \leftlinenumbers*
13525 \fi
13526 \@ifpackagewith{lineno}{left}{\%
13527 \leftlinenumbers*
13528 }{}
13529 \@ifpackagewith{lineno}{right}{\%
13530 \rightlinenumbers*
13531 }{}
13532 }
13533

```

77 File `listings-xetex-bidi.def`

```

13534 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package
13535 \lst@Key{captiondirection}{textdirection}{\%
13536 \lstKV@SwitchCases{#1}{%
13537 {textdirection:\\%
13538 RTL:\chardef\bidi@lst@caption@direction\@ne\\%
13539 LTR:\chardef\bidi@lst@caption@direction\z@%
13540 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}

```



```

13541
13542 \lst@Key{captionscript}{textscript}{%
13543   \lstKV@SwitchCases{#1}%
13544   {textscript:\\%
13545     latin:\chardef\@bidi@lst@caption@script\@ne\\%
13546     nonlatin:\chardef\@bidi@lst@caption@script\@z@%
13547   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13548
13549 \newcommand*{\@bidi@lst@ensure@caption@direction}[2]{%
13550   \@ifundefined{bidi@lst@caption@direction}{}{%
13551     \ifnum\@bidi@lst@caption@direction=\@z@%
13552       #1%
13553     \else%
13554       \ifnum\@bidi@lst@caption@direction=\@ne%
13555         #2%
13556       \fi%
13557     \fi%
13558   }}
13559
13560 \newcommand*{\@bidi@lst@ensure@caption@script}[2]{%
13561   \@ifundefined{bidi@lst@caption@script}{}{%
13562     \ifnum\@bidi@lst@caption@script=\@z@%
13563       #1%
13564     \else%
13565       \ifnum\@bidi@lst@caption@script=\@ne%
13566         #2%
13567       \fi%
13568     \fi%
13569   }}
13570
13571 \long\def\@bidi@lst@makecaption#1#2{%
13572   \@bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13573   \vskip\abovecaptionskip
13574   \@bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13575   \sbox\@tempboxa{%
13576     \@bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
13577     #1: #2%
13578     \@bidi@lst@ensure@caption@direction{\endL}{\endR}%
13579   }%
13580   \ifdim \wd\@tempboxa >\hsize
13581     #1: #2\par
13582   \else
13583     \global \@minipagefalse
13584     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13585   \fi
13586   \vskip\belowcaptionskip}%
13587 \def\lst@makecaption{\@bidi@lst@makecaption}
13588 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
13589 \bidi@AtEndPreamble{%
13590 \bidi@patchcmd{\lst@MakeCaption}{%
13591   \ifx #1t%
13592     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13593       \expandafter\refstepcounter
13594     \fi {lstlisting}%

```



```

13595 }{%
13596     \ifx #1t%
13597         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13598         \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
13599             \expandafter\refstepcounter
13600         \fi {lstlisting}%
13601         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13602 }{}{}%
13603 \bidi@patchcmd{\lst@MakeCaption}{%
13604     \addcontentsline{lol}{lstlisting}%
13605     {\protect\numberline{\thelstlisting}\lst@caption}%
13606 }{}{}%
13607 \begingroup%
13608     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13609     \addcontentsline{lol}{lstlisting}%
13610     {\protect\numberline{\thelstlisting}\lst@caption}%
13611 \endgroup%
13612 }{}{}%
13613 }
13614 \@ifpackageloaded{caption}{%
13615     \AtBeginCaption{%
13616         \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13617         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13618     }
13619     \let\@bidi@lst@makecaption\caption@makecaption%
13620     \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
13621     \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
13622 }{}%
13623 \AtBeginDocument{%
13624     \@ifundefined{captionlabelfalse}{}{}%
13625     \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
13626 \@ifundefined{caption@startrue}{}{}%
13627 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
13628 }%
13629 }
13630 \AtBeginDocument{
13631     \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
13632     \lst@ifnumberbychapter
13633         \gdef\thelstlisting%
13634             {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13635     \else
13636         \gdef\thelstlisting{\@arabic\c@lstlisting}
13637     \fi}

```

78 File loadingorder-xetex-bidi.def

```

13638 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the las
13639 \bidi@isloaded{amsmath}
13640 \bidi@isloaded{amstext}
13641 \bidi@isloaded{amsthm}
13642 \bidi@isloaded{animate}
13643 \bidi@isloaded{breqn}
13644 \bidi@isloaded{cals}
13645 \bidi@isloaded{caption}

```



```

13646 \bidi@isloaded{crop}
13647 \bidi@isloaded{cuted}
13648 \bidi@isloaded{cutwin}
13649 \bidi@isloaded{color}
13650 \bidi@isloaded{dblfnote}
13651 \bidi@isloaded{diagbox}
13652 \bidi@isloaded{xcolor}
13653 \bidi@isloaded{colortbl}
13654 \bidi@isloaded{float}
13655 \bidi@isloaded{floatrow}
13656 \bidi@isloaded{flowfram}
13657 \bidi@isloaded{framed}
13658 \bidi@isloaded{ftnright}
13659 \bidi@isloaded{xltextra}
13660 \bidi@isloaded{xunicode}
13661 \bidi@isloaded{wrapfig}
13662 \bidi@isloaded{graphicx}
13663 \bidi@isloaded{geometry}
13664 \bidi@isloaded{hvfloat}
13665 \bidi@isloaded{mdframed}
13666 \bidi@isloaded{midfloat}
13667 \bidi@isloaded{ntheorem}
13668 \bidi@isloaded{ntheorem-hyper}
13669 \bidi@isloaded{hyperref}
13670 \bidi@isloaded{fancybox}
13671 \bidi@isloaded{fancyhdr}
13672 \bidi@isloaded{fix2col}
13673 \bidi@isloaded{draftwatermark}
13674 \bidi@isloaded{empheq}
13675 \bidi@isloaded{overpic}
13676 \bidi@isloaded{pdfpages}
13677 \bidi@isloaded{listings}
13678 \bidi@isloaded{lettrine}
13679 \bidi@isloaded{lineno}
13680 \bidi@isloaded{media9}
13681 \bidi@isloaded{pstricks}
13682 \bidi@isloaded{pgf}
13683 \bidi@isloaded{picinpar}
13684 \bidi@isloaded{quotchap}
13685 \bidi@isloaded{tikz}
13686 \bidi@isloaded{titlesec}
13687 \bidi@isloaded{titletoc}
13688 \bidi@isloaded{array}
13689 \bidi@isloaded{soul}
13690 \bidi@isloaded{stabular}
13691 \bidi@isloaded{subfig}
13692 \bidi@isloaded{subfigure}
13693 \bidi@isloaded{supertabular}
13694 \bidi@isloaded{xtab}
13695 \bidi@isloaded{longtable}
13696 \bidi@isloaded{arydshln}
13697 \bidi@isloaded{multicol}
13698 \bidi@isloaded{multienum}
13699 \bidi@isloaded{minitoc}

```



```

13700 \bidi@isloaded{natbib}
13701 \bidi@isloaded{newfloat}
13702 \bidi@isloaded{ragged2e}
13703 \bidi@isloaded{rotating}
13704 \bidi@isloaded{tabls}
13705 \bidi@isloaded{tabulary}
13706 \bidi@isloaded{tocbasic}
13707 \bidi@isloaded{tocstyle}
13708 \bidi@isloaded{tocbibind}
13709 \bidi@isloaded{fontspec}
13710 \bidi@isloaded{arabxetex}
13711 \bidi@isloaded{polyglossia}
13712 \bidi@isloaded{fancyvrb}
13713 \AtBeginDocument{
13714   \if@bidi@amsmathloaded@else
13715     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi packag
13716   \fi%
13717   \if@bidi@amstextloaded@else
13718     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi packag
13719   \fi%
13720   \if@bidi@amsthmloaded@else
13721     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packag
13722   \fi%
13723   \if@bidi@animateloaded@else
13724     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi packag
13725   \fi%
13726   \if@bidi@breqnloaded@else
13727     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packag
13728   \fi%
13729   \if@bidi@calsloaded@else
13730     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package
13731   \fi%
13732   \if@bidi@captionloaded@else
13733     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi packag
13734   \fi%
13735   \if@bidi@croplloaded@else
13736     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package
13737   \fi%
13738   \if@bidi@colorloaded@else
13739     \@ifpackageloaded{hyperref}{-}{%
13740       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packag
13741     \fi%
13742   \if@bidi@cutwinloaded@else
13743     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packag
13744   \fi%
13745   \if@bidi@cutedloaded@else
13746     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packag
13747   \fi%
13748   \if@bidi@dblfnoteloaded@else
13749     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pack
13750   \fi%
13751   \if@bidi@diagboxloaded@else
13752     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pack
13753   \fi%

```



```

13754 \if@bidi@xcolorloaded@else
13755     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packag
13756 \fi%
13757 \if@bidi@colortblloaded@else
13758     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pack
13759 \fi%
13760 \if@bidi@floatloaded@else
13761     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packag
13762 \fi%
13763 \if@bidi@floatrowloaded@else
13764     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pack
13765 \fi%
13766 \if@bidi@flowframloaded@else
13767     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pack
13768 \fi%
13769 \if@bidi@framedloaded@else
13770     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packag
13771 \fi%
13772 \if@bidi@ftnrightloaded@else
13773     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pack
13774 \fi%
13775 \if@bidi@xltxtraloaded@else
13776     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi pack
13777 \fi%
13778 \if@bidi@xunicodeloaded@else
13779     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pack
13780 \fi%
13781 \if@bidi@wrapfigloaded@else
13782     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pack
13783 \fi%
13784 \if@bidi@graphicxloaded@else
13785     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pack
13786 \fi%
13787 \if@bidi@geometryloaded@else
13788     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pack
13789 \fi%
13790 \if@bidi@hvfloatloaded@else
13791     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pack
13792 \fi%
13793 \if@bidi@mdframedloaded@else
13794     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pack
13795 \fi%
13796     \if@bidi@midfloatloaded@else
13797         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pack
13798 \fi%
13799     \if@bidi@ntheoremloaded@else
13800         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pack
13801 \fi%
13802 \if@bidi@hyperrefloaded@else
13803     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pack
13804 \fi%
13805     \if@bidi@fancyboxloaded@else
13806         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pack
13807 \fi%

```




```

13808 \if@bidi@fancyhdrloaded@else
13809 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pack
13810 \fi%
13811 \if@bidi@draftwatermarkloaded@else
13812 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bi
13813 \fi%
13814 \if@bidi@empheqloaded@else
13815 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packa
13816 \fi%
13817 \if@bidi@overpicloaded@else
13818 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pack
13819 \fi%
13820 \if@bidi@pdfpagesloaded@else
13821 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pac
13822 \fi%
13823 \if@bidi@lettrineloaded@else
13824 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pac
13825 \fi%
13826 \if@bidi@linenoloaded@else
13827 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packa
13828 \fi%
13829 \if@bidi@listingsloaded@else
13830 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pac
13831 \fi%
13832 \csname if@bidi@media9loaded@endcsname\else
13833 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packa
13834 \fi%
13835 \if@bidi@pstricksloaded@else
13836 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pac
13837 \fi%
13838 \if@bidi@pgfloaded@else
13839 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
13840 \fi%
13841 \if@bidi@picinparloaded@else
13842 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pac
13843 \fi%
13844 \if@bidi@quotchaploaded@else
13845 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pac
13846 \fi%
13847 \if@bidi@tikzloaded@else
13848 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package
13849 \fi%
13850 \if@bidi@titlesecloaded@else
13851 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pac
13852 \fi%
13853 \if@bidi@titletocloaded@else
13854 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pac
13855 \fi%
13856 \if@bidi@arrayloaded@else
13857 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packag
13858 \fi%
13859 \if@bidi@stabularloaded@else
13860 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pac
13861 \fi%

```



```

13862 \if@bidi@soulloaded@else
13863   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package}{}]
13864 \fi%
13865 \if@bidi@subfigloaded@else
13866   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package}{}]
13867 \fi%
13868 \if@bidi@subfigureloaded@else
13869   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package}{}]
13870 \fi%
13871 \if@bidi@supertabularloaded@else
13872   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi package}{}]
13873 \fi%
13874 \if@bidi@xtabloaded@else
13875   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package}{}]
13876 \fi%
13877 \if@bidi@longtableloaded@else
13878   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package}{}]
13879 \fi%
13880 \if@bidi@arydshnloaded@else
13881   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshn after bidi package}{}]
13882 \fi%
13883 \if@bidi@multicolloaded@else
13884   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package}{}]
13885 \fi%
13886 \if@bidi@multienumloaded@else
13887   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package}{}]
13888 \fi%
13889 \if@bidi@minitocloaded@else
13890   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package}{}]
13891 \fi%
13892 \if@bidi@natbibloaded@else
13893   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package}{}]
13894 \fi%
13895 \if@bidi@newfloatloaded@else
13896   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package}{}]
13897 \fi%
13898 \csname if@bidi@ragged2eloaded@endcsname\else
13899   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package}{}]
13900 \fi%
13901 \if@bidi@rotatingloaded@else
13902   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package}{}]
13903 \fi%
13904 \if@bidi@tblsloaded@else
13905   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package}{}]
13906 \fi%
13907 \if@bidi@tabularyloaded@else
13908   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package}{}]
13909 \fi%
13910 \if@bidi@tocbasicloaded@else
13911   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi package}{}]
13912 \fi%
13913 \if@bidi@tocstyleloaded@else
13914   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package}{}]
13915 \fi%

```



```

13916 \if@bidi@tocbibindloaded@else
13917   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pa
13918 \fi%
13919 \if@bidi@fontspecloaded@else
13920   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pa
13921 \fi%
13922 \if@bidi@arabxetexloaded@else
13923   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pa
13924 \fi%
13925 \if@bidi@polyglossialloaded@else
13926   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
13927 \fi%
13928 \if@bidi@fancyvrbloaded@else
13929   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pa
13930 \fi%
13931 }

```

79 File longtable-xetex-bidi.def

```

13932 \ProvidesFile{longtable-xetex-bidi.def}[2022/05/20 v0.6 bidi adaptations for longtable packa
13933 \def\LT@array[#1]#2{%
13934   \refstepcounter{table}\stepcounter{LT@tables}%
13935   \if l#1%
13936     \if@RTLtab\LTleft\fill \LTright\z@ \else\LTleft\z@ \LTright\fill\fi
13937   \else\if r#1%
13938     \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13939   \else\if c#1%
13940     \LTleft\fill \LTright\fill
13941   \fi\fi\fi
13942   \let\LT@mcol\multicolumn
13943   \let\LT@@tabarray\@tabarray
13944   \let\LT@hline\hline
13945   \def\@tabarray{%
13946     \let\hline\LT@hline
13947     \LT@@tabarray}%
13948   \let\LT@tabularcr\let\tabularnewline\\%
13949   \def\newpage{\noalign{\break}}%
13950   \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13951   \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
13952   \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13953   \@tempdima\ht\strutbox
13954   \let\@endpbox\LT@endpbox
13955   \ifx\extrarowheight\undefined
13956     \let\@acol\@tabacol
13957     \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13958     \def\@startpbox{\vtop\LT@startpbox}%
13959     \let\@@startpbox\@startpbox
13960     \let\@@endpbox\@endpbox
13961     \let\LT@LL@FM@cr\@tabularcr
13962   \else
13963     \advance\@tempdima\extrarowheight
13964     \col@sep\@tabcolsep
13965     \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13966   \fi

```



```

13967 \setbox\@arstrutbox\hbox{\vrule
13968 \@height \arraystretch \@tempdima
13969 \@depth \arraystretch \dp \strutbox
13970 \@width \z@}%
13971 \let\@sharp#\let\protect\relax
13972 \begingroup
13973 \mkpream{#2}%
13974 \xdef\LT@bchunk{%
13975 \global\advance\c@LT@chunks\@ne
13976 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13977 \LT@setprevdepth
13978 \tabskip\LT@left \noexpand\halign to\hsize\bgroup
13979 \tabskip\z@ \@arstrut \@preamble \tabskip\LT@right \cr}%
13980 \endgroup
13981 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13982 \LT@make@row
13983 \m@th\let\par\@empty
13984 \everycr{}\lineskip\z@\baselineskip\z@
13985 \LT@bchunk}
13986 \def\LT@makecaption#1#2#3{%
13987 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
13988 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13989 \ifdim\wd\@tempboxa>\hsize
13990 #1{#2: }#3%
13991 \else
13992 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13993 \fi
13994 \endgraf\vskip\baselineskip}}%
13995 \hss}}}
13996 \ifpackageloaded{caption}{%
13997 \renewcommand\LT@makecaption[3]{%
13998 \caption@LT@make{%
13999 \caption@LT@settype\LT@captiontype
14000 \caption@LT@setup
14001 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
14002 \caption@startrue#1\caption@starfalse
14003 \caption@prepare@stepcounter\LT@captiontype
14004 \caption@begin\LT@captiontype
14005 \caption@normalsize
14006 \vskip-\ht\strutbox
14007 \caption@ifdefined\FBifcapttop{%
14008 \let\caption@belowskip\@empty}{}%
14009 \caption@make@above
14010 \caption@@make{#2}{#3}\endgraf
14011 \caption@make@below
14012 \caption@end}}}%
14013 }{}
14014 \def\LT@startpbox#1{%
14015 \bgroup\color@begingroup
14016 \let\@footnotetext\LT@p@ftntext
14017 \let\@LTRfootnotetext\LT@p@LTRftntext
14018 \let\@RTLfootnotetext\LT@p@RTLftntext
14019 \setlength\hsize{#1}%
14020 \@arrayparboxrestore

```



```

14021 \vrule \@height \ht\@arstrutbox \@width \z@}
14022 \def\LT@p@LTRftntext#1{%
14023 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
14024 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
14025 \def\LT@p@RTLftntext#1{%
14026 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
14027 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
14028
14029
14030 \def\LT@output{%
14031 \ifnum\outputpenalty <-\@Mi
14032 \ifnum\outputpenalty > -\LT@end@pen
14033 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
14034 \else
14035 \setbox\z@\vbox{\unvbox\@cclv}%
14036 \ifdim \ht\LT@lastfoot>\ht\LT@foot
14037 \dimen@ \pagegoal
14038 \advance\dimen@-\ht\LT@lastfoot
14039 \ifdim\dimen@<\ht\z@
14040 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
14041 \@makecol
14042 \@outputpage
14043 \setbox\z@\vbox{\box\LT@head}%
14044 \fi
14045 \fi
14046 \global\@colroom\@colht
14047 \global\vsizel\@colht
14048 \vbox
14049 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
14050 \fi
14051 \else
14052 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
14053 \@makecol
14054 \@outputpage
14055 \global\vsizel\@colroom
14056 \copy\LT@head\nobreak
14057 \fi}

```

80 File lscape-xetex-bidi.def

```

14058 \ProvidesFile{lscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for lscape package for
14059 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
14060 \if@RTL
14061 \rotatebox[origin=br]{-90}{\box\@outputbox}}%
14062 \else
14063 \rotatebox{90}{\box\@outputbox}}%
14064 \fi
14065 }{}{}
14066 \g@addto@macro{\landscape}{%
14067 \let\bidi@left@footnoterule\left@footnoterule
14068 \let\bidi@right@footnoterule\right@footnoterule
14069 \def\left@footnoterule{%
14070 \if@RTL
14071 \bidi@right@footnoterule

```



```

14072     \else
14073         \bidi@left@footnoterule
14074     \fi
14075 }%
14076 \def\right@footnoterule{%
14077     \if@RTL
14078         \bidi@left@footnoterule
14079     \else
14080         \bidi@right@footnoterule
14081     \fi
14082 }%
14083 }

```

81 File mathtools-xetex-bidi.def

```

14084 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
14085 \MHInternalSyntaxOn
14086 \def\MT_define_tagform:nwnn #1[#2]#3#4{
14087     \@namedef{MT_tagform_#1:n}##1
14088     {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4}}
14089 }
14090 \renewtagform{default}{\{()\}}
14091 \MHInternalSyntaxOff

```

82 File mdframed-xetex-bidi.def

```

14092 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
14093 \newif\if@bidi@mdf@RTL
14094 \def\mdf@lrbox#1{%
14095     \mdf@patchamsthm%patch amsthm
14096     \if@RTL\@bidi@mdf@RTLtrue\fi%
14097     \@RTLfalse%
14098     \setbox#1\vbox\bgroup%
14099     \color@begingroup%
14100     \if@bidi@mdf@RTL\@RTLtrue\fi%
14101     \mdf@horizontalmargin@equation%
14102     \columnwidth=\hsize%
14103     \textwidth=\hsize%
14104     \let\if@nobreak\iffalse%
14105     \let\if@noskipsec\iffalse%
14106     \let\par\@par%
14107     \let\-\@dischyph%
14108     \let'\@acci\let`\@accii\let\=\@acciii%
14109     \parindent\z@ \parskip\z@skip%
14110     \linewidth\hsize%
14111     \@totalleftmargin\z@%
14112     \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
14113     \parfillskip\@flushglue \lineskip\normallineskip%
14114     \baselineskip\normalbaselineskip%
14115 %% \sloppy%
14116     \let\\\@normalcr%
14117     \mdf@par@local%New feature to restore parskip/parindent local in save box
14118     \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
14119     \@afterindentfalse%

```



```

14120    %\@afterheading%
14121 }
14122 \renewrobustcmd\mdfframetitleenv[1]{%
14123     \mdf@lrbox{\mdf@frametitlebox}%
14124     \mdf@frametitlealignment%
14125     \leavevmode{\color{\mdf@frametitlefontcolor}%
14126         \normalfont\mdf@frametitlefont{#1}
14127     \ifbool{mdf@ignorelastdescenders}%
14128         {%
14129             \par\strut\par
14130             \unskip\unskip\setbox0=\lastbox
14131             \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
14132         }{}}%
14133     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
14134     \endmdf@lrbox\relax%
14135 \mdf@ignorevbadness%
14136 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
14137 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
14138 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
14139 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
14140 \mdfframetitleboxtotalheight=\dimexpr
14141     \ht\mdf@frametitlebox
14142     +\dp\mdf@frametitlebox%
14143     +\mdf@frametitleaboveskip@length
14144     +\mdf@frametitlebelowskip@length
14145     \relax%
14146 }
14147
14148 \renewrobustcmd*\mdf@footnoteoutput{%
14149     \ifvoid\@mpfootins\else%
14150         \nobreak%
14151         \vskip\mdf@footnotedistance@length%
14152         \normalcolor%
14153         \bidi@mpfootnoterule%
14154         \unvbox\@mpfootins%
14155     \fi%
14156 }
14157
14158
14159 \renewrobustcmd*\mdf@footnoteinput{%
14160     \def\@mpfn{mpfootnote}%
14161     \def\thempfn{\thempfootnote}%
14162     \c@mpfootnote\z@%
14163     \let\@footnotetext\@mpfootnotetext%
14164     \let\@LTRfootnotetext\@mpLTRfootnotetext%
14165     \let\@RTLfootnotetext\@mpRTLfootnotetext%
14166 }

```

83 File bidi-media9.sty

```

14167 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
14168 {bidi fixes for media9 package for the XeTeX engine}
14169
14170 \keys_define:nn{media9/mbtn}{

```



```

14171 draft .code:n = {},
14172 final .code:n = {},
14173
14174 tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
14175 tooltip .value_required:n = {true},
14176
14177 overface .code:n = {
14178   \sbox\l_mix_poster_box{
14179     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
14180     \mix_pdfxform:n{\l_mix_poster_box}
14181     \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
14182   },
14183   overface .value_required:n = {true},
14184
14185   downface .code:n = {
14186     \sbox\l_mix_poster_box{
14187       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
14188       \mix_pdfxform:n{\l_mix_poster_box}
14189       \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
14190     },
14191     downface .value_required:n = {true},
14192
14193     3Dgotoview .code:n = {
14194       \tl_set:Nx\l_tmpa_tl{#1} %extract ref
14195       \regex_replace_once:nnN{([^\:]+)??.*}{\1}\l_tmpa_tl
14196       \tl_trim_spaces:N\l_tmpa_tl
14197       \tl_if_exist:cTF{ann@\l_tmpa_tl}{
14198         \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
14199           \tl_set:Nx\l_tmpb_tl{#1} %extract idx
14200           \regex_replace_once:nnN{([^\:]+:?)}{\1}\l_tmpb_tl
14201           \tl_trim_spaces:N\l_tmpb_tl
14202           \tl_if_blank:VF\l_tmpb_tl{
14203             \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
14204               \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl
14205             }{
14206               \regex_match:nVTF{^[d+}$]\l_tmpb_tl{
14207                 \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl
14208               }{
14209                 \regex_replace_once:nnN{^(\s*)}{\1}\l_tmpb_tl
14210                 \regex_replace_once:nnN{(\s*)$}{\1}\l_tmpb_tl
14211                 \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
14212               }
14213             }
14214           }
14215           \mix_pdfobj:nnn{}{dict}{
14216             /S/JavaScript/JS~(
14217               if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
14218               if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
14219                 annotRM['\l_tmpa_tl']=
14220                   this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
14221               }
14222               annotRM['\l_tmpa_tl'].activated=true;
14223             )
14224             \tl_if_blank:VF\l_tmpb_tl{

```




```

14225         /Next~<<
14226         /S/GoTo3DView
14227         /TA~\tl_use:c{ann@\l_tmpa_tl}
14228         /V\l_mix_vidx_tl
14229     >>
14230 }
14231 }
14232 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
14233 }
14234 }{
14235     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
14236     \cs_if_exist:NF\g_mix_refundefwarned_tl{
14237         \tl_new:N\g_mix_refundefwarned_tl
14238         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
14239     }
14240 }
14241 },
14242 3Dgotoview .value_required:n = {true},
14243
14244 mediacommand .code:n = {
14245     \tl_set:Nx\l_tmpa_tl{#1}
14246     \regex_replace_once:nnN{([~:])+}??.*}{\1}\l_tmpa_tl %extract ref
14247     \tl_trim_spaces:N\l_tmpa_tl
14248     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
14249         \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
14250             \tl_set:Nx\l_tmpb_tl{#1}
14251             \regex_replace_once:nnN{[~:]+\?:?}{\1}\l_tmpb_tl
14252             \tl_trim_spaces:N\l_tmpb_tl
14253             \regex_replace_all:nnN{^{\|\\}$}{\1}\l_tmpb_tl
14254             \tl_set:Nx\l_mix_cmd_tl{
14255                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
14256             \tl_trim_spaces:N\l_mix_cmd_tl
14257             \tl_set:Nx\l_mix_arg_tl{
14258                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
14259             \tl_trim_spaces:N\l_mix_arg_tl
14260             \mix_pdfobj:nnn{}{dict}{
14261                 /S/JavaScript/JS~(
14262                     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14263                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
14264                         annotRM['\l_tmpa_tl']=
14265                         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
14266                     }
14267                     annotRM['\l_tmpa_tl'].activated=true;
14268                 )
14269             \tl_if_blank:VF\l_mix_cmd_tl{
14270                 /Next~<<
14271                 /S/RichMediaExecute
14272                 /TA~\tl_use:c{ann@\l_tmpa_tl}
14273                 /TI~\tl_use:c{main@\l_tmpa_tl}
14274                 /CMD~<<
14275                 /C~(\l_mix_cmd_tl)
14276                 \tl_if_blank:VF\l_mix_arg_tl{
14277                     /A~[\l_mix_arg_tl]
14278                 }

```



```

14279         >>
14280         >>
14281     }
14282 }
14283 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
14284 }
14285 }{
14286   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
14287   \cs_if_exist:NF\g_mix_refundefwarned_tl{
14288     \tl_new:N\g_mix_refundefwarned_tl
14289     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
14290   }
14291 }
14292 },
14293 mediacommand .value_required:n = {true},
14294
14295 jsaction .code:n = {
14296   \tl_set:Nx\l_tmpa_tl{#1}
14297   \regex_match:nVTF{^[^{}:]+.*$}\l_tmpa_tl{
14298     \regex_replace_once:nnN{([~:])+:??.*}\1\l_tmpa_tl %extract ref
14299     \tl_trim_spaces:N\l_tmpa_tl
14300   }\tl_clear:N\l_tmpa_tl}
14301   \tl_set:Nx\l_tmpb_tl{#1}
14302   \tl_if_blank:VF\l_tmpa_tl{
14303     \tl_if_exist:cF{ann@\l_tmpa_tl}{
14304       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
14305       \cs_if_exist:NF\g_mix_refundefwarned_tl{
14306         \tl_new:N\g_mix_refundefwarned_tl
14307         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
14308       }
14309     }
14310     \regex_replace_once:nnN{[~:]+\.:}{\l_tmpb_tl}
14311   }
14312   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
14313   \tl_trim_spaces:N\l_tmpb_tl
14314   \tl_if_blank:VF\l_tmpb_tl{
14315     \mix_pdfobj:nnn{}{dict}{
14316       /S/JavaScript/JS~(
14317         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}))}
14318     \bool_lazy_and:nnT{
14319       \tl_if_exist_p:c{ann@\l_tmpa_tl}
14320     }{
14321       !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
14322     }{
14323       \mix_pdfobj:nnn{}{dict}{
14324         /S/JavaScript/JS~(
14325           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14326           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
14327             annotRM['\l_tmpa_tl']=
14328               this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
14329           }
14330           annotRM['\l_tmpa_tl'].activated=true;
14331         )
14332       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}

```



```

14333     }
14334   }
14335   \bool_if:nT{
14336     \bool_lazy_and_p:nn{
14337       \tl_if_exist_p:c{ann@\l_tmpa_tl}
14338     }{
14339       !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
14340     }
14341     || !\tl_if_blank_p:V\l_tmpb_tl
14342   }{
14343     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
14344   }
14345 },
14346 jsaction .value_required:n = {true},
14347
14348 unknown .code:n = {
14349   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
14350 }
14351 }
14352
14353 \RenewDocumentCommand\includemedia{O{}}mm}{%#1 options, #2 text/image #3 media file
14354   \mix_uriend:
14355   \group_begin:
14356   \mix_beginLTR:
14357   \mode_leave_vertical:
14358   %empty stream as appearance dummy
14359   \cs_if_exist:NF\g_mix_appearance_tl{
14360     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
14361     \mix_pdfxform:n{\l_mix_poster_box}
14362     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
14363   }
14364   \mix_reset:
14365   \mix_uribegin: %treat URI characters correctly
14366   \keys_set:nn{media9/user}{#1}
14367   \mix_uriend:
14368   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
14369   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
14370   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~={}}{=}
14371   \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
14372   \tl_gtrim_spaces:N\g_mix_flashvars_tl
14373
14374   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
14375
14376   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
14377   %\hbox_set:Nn\l_mix_poster_box{#2}
14378   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14379   \mix_scale:n{\l_mix_poster_box}
14380   \bool_if:nT{
14381     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
14382     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
14383   }{
14384     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
14385   }
14386   \bool_if:NTF\g_mix_usrdraft_bool{

```



```

14387 \tl_if_empty:NF\g_mix_usrlabel_tl{
14388   \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
14389 }
14390 \tl_if_blank:oTF{#2}{
14391   \mix_uribegin: %treat URI characters correctly
14392   \mix_draftbox:n{\tl_to_str:n{#3}}
14393   \mix_uriend:
14394 }{
14395   \hbox_to_wd:nn{\g_mix_wd_tl}{
14396     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
14397     \box_use:N\l_mix_poster_box\hss
14398   }
14399 }
14400 }{
14401   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
14402     %attach script that switches off play button overlay upon activation
14403     \mix_pdfobj:nnn{}{stream}{
14404       {}{
14405         var~ocgs=host.getOCGs(host.pageNum);
14406         for(var~i=0;i<ocgs.length;i++){
14407           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14408             ocgs[i].state=false;
14409           }
14410         }
14411       }
14412     }
14413     \mix_pdfobj:nnn{}{dict}{
14414       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
14415     }
14416     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
14417     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
14418     %enforce plain playbutton overlay for XeTeX
14419     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
14420   }
14421   %embed main asset
14422   \mix_uribegin:
14423   \mix_embedasset:n{#3}
14424   \bool_if:nTF{
14425     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
14426   }{
14427     \bool_gset_true:N\g_mix_iiid_bool
14428     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
14429   }{
14430     \str_case_e:nnF{\l_mix_base_tl}{
14431       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14432       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14433       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14434       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14435       {StrobeMediaPlayerback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14436     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
14437   }
14438   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
14439   \mix_uriend:
14440   %secondary assets (added by addresource)

```



```

14441 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
14442 \seq_map_inline:Nn\g_mix_script_seq{
14443   \mix_embedasset:n{##1}
14444   \tl_put_right:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl}
14445 }
14446 %attach 3D calculation script
14447 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
14448   \mix_embedasset:n{3Dmenu.js}
14449   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
14450 }
14451 %create 3D views from file (option 3Dviews)
14452 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
14453   \tl_set:Nn\l_mix_level_tl{-1}
14454   \int_zero:N\l_mix_viewcnt_int
14455   \int_zero:N\l_mix_lineno_int
14456
14457   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
14458   \ior_map_inline:Nn\l_mix_vfile_stream{
14459     \int_incr:N\l_mix_lineno_int
14460     \keys_set:nn{media9/views}{##1} %process input line
14461   }
14462   \ior_close:N\l_mix_vfile_stream
14463 }
14464 \bool_if:nT{ %create default 3D view if required
14465   \g_mix_iiid_bool &&
14466   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
14467 }{
14468   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
14469   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
14470   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
14471   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
14472   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
14473   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
14474   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
14475
14476   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
14477   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
14478   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
14479   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
14480
14481   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
14482   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
14483   \tl_clear:N\l_mix_naarray_tl
14484
14485   \bool_if:NF\l_mix_ciiw_bool{
14486     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
14487     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
14488   }
14489
14490   \tl_clear:N\l_mix_naarray_tl
14491   \tl_clear:N\l_mix_saarray_tl
14492   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
14493
14494   \mix_view:n{Default}

```



```

14495     \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
14496
14497   }
14498   \mix_pdfobj:nnn{}{dict}{
14499     /Type/RichMediaInstance
14500     /Subtype/\g_mix_mainassetsub_tl
14501     /Asset~\g_mix_mainasset_tl
14502     \bool_if:NF\g_mix_iiid_bool{
14503       /Params~<<
14504         /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
14505           /Foreground
14506         }{
14507           /Background
14508         }
14509         \tl_if_blank:VF\g_mix_flashvars_tl{
14510           /FlashVars~(\g_mix_flashvars_tl)
14511         }
14512       >>
14513     }
14514   }
14515   \tl_if_empty:NF\g_mix_usrlabel_tl{
14516     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
14517   }
14518   \mix_pdfobj:nnn{}{dict}{
14519     /Type/RichMediaConfiguration
14520     /Subtype/\g_mix_mainassetsub_tl
14521     /Instances~[\mix_pdflastobj:]
14522   }
14523   \mix_pdfobj:nnn{}{dict}{
14524     /Type/RichMediaContent
14525     /Assets~<</Names~[\g_mix_assets_tl]>>
14526     /Configurations~[\mix_pdflastobj:]
14527     \bool_if:nT{
14528       \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14529     }{
14530       /Views~[\l_mix_iiidviewarray_tl]
14531     }
14532   }
14533   \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14534   \bool_if:nT{
14535     \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
14536   }{
14537     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14538   }
14539   %determine floating window size
14540   \bool_if:NT\g_mix_opt_windowed_bool{
14541     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14542   }
14543   \mix_pdfobj:nnn{}{dict}{
14544     /Activation~<<
14545     /Condition\g_mix_act_tl
14546     \bool_if:nT{
14547       \g_mix_iiid_bool &&
14548       !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})

```



```

14549     }{%seems to work only with 3D content
14550     /Animation~<<
14551         /Subtype/\g_mix_playtpe_tl
14552         /PlayCount~\g_mix_playcnt_tl
14553         /Speed~\g_mix_playspd_tl
14554     >>
14555 }
14556 \bool_if:nT{
14557     \g_mix_iiid_bool && (
14558         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14559     )
14560 }{/View~\l_mix_dfltview_tl}
14561 /Presentation~<<
14562     /Transparent~\g_mix_transp_tl
14563     \bool_if:NTF\g_mix_opt_windowed_bool{
14564         /Style/Windowed
14565         /Window~<<
14566             /Width~<</Default~\tl_mix_fltd>>
14567             /Height~<</Default~\tl_mix_fltht>>
14568             /Position~<<
14569                 /HOffset~0/VOffset~0
14570                 \str_case:e:nF{\g_mix_winpos_tl}{
14571                     {tl}{/VAlign/Near/HAlign/Near}
14572                     {cl}{/VAlign/Center/HAlign/Near}
14573                     {bl}{/VAlign/Far/HAlign/Near}
14574                     {bc}{/VAlign/Far/HAlign/Center}
14575                     {br}{/VAlign/Far/HAlign/Far}
14576                     {cr}{/VAlign/Center/HAlign/Far}
14577                     {tr}{/VAlign/Near/HAlign/Far}
14578                     {tc}{/VAlign/Near/HAlign/Center}
14579                 }{/HAlign/Center/VAlign/Center}
14580             >>
14581         >>
14582     }{
14583         /Style/Embedded
14584     }
14585     \bool_if:NTF\g_mix_iiid_bool{
14586         /Toolbar~\g_mix_tools_tl
14587         /NavigationPane~\g_mix_nav_tl
14588     }{
14589         /PassContextClick~\g_mix_contextclick_tl
14590     }
14591 >>
14592 \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14593 >>
14594 /Deactivation~<</Condition\g_mix_deact_tl>>
14595 }
14596 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
14597 \tl_if_empty:NF\g_mix_usrlabel_tl{
14598     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14599 }
14600 % #1:width, #2:height, #3:depth, #4:content (key-value)
14601 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14602     /Subtype/RichMedia

```



```

14603 /F~4
14604 /BS~<</W~0/S/S>>
14605 /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14606 /NM~(\g_mix_label_tl)
14607 /AP~<</N~\g_mix_appearance_tl>>
14608 /RichMediaSettings~\l_mix_settings_tl
14609 /RichMediaContent~\l_mix_content_tl
14610 }
14611 \tl_if_empty:NF\g_mix_usrlabel_tl{
14612   \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14613   \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14614     \noexpand\the\g@mix@page@int}
14615 }
14616 \mix_pdfobj:nnn{}{dict}{
14617   /S/JavaScript/JS~(
14618     try{
14619       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14620       if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14621         annotRM['\g_mix_label_tl']=
14622           this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14623       }
14624       \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
14625         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14626           var~ocgs=this.getOCGs(this.pageNum);
14627           for(var~i=0;i<ocgs.length;i++){
14628             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14629               var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14630             }
14631           }
14632         }
14633         if(
14634           !annotRM['\g_mix_label_tl'].activated&&(
14635             app.viewerType=='Reader' ||
14636             app.viewerType=='Exchange' ||
14637             app.viewerType=='Exchange-Pro'
14638           )&&app.viewerVersion>=9
14639         ){
14640           ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14641         }
14642       }
14643     }catch(e){}
14644     this.dirty=false;
14645   )
14646 }
14647 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14648   /Subtype/Widget
14649   /FT/Btn/Ff~65537/F~2
14650   /BS~<</W~0>>
14651   /T~(fd@\g_mix_label_tl)
14652   /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14653 }
14654 \mix_appendtofields:n{\mix_pdflastann:}
14655 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14656 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{

```




```

14657     \hbox_to_wd:nn{\g_mix_wd_tl}{
14658         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14659     }
14660 }{%insert play button overlay
14661     \mix_insert_btnocg: %create OCG
14662     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@}\g_mix_usrpbtn_tl @tl}
14663     \group_begin:
14664     \cs_if_exist:NT\textdir{\textdir TLT}
14665     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14666     \box_move_down:nn{\g_mix_dp_tl}{
14667         \hbox_to_wd:nn{\g_mix_wd_tl}{
14668             \vbox_to_ht:nn{\g_mix_tt_tl}{
14669                 \vss
14670                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14671                 \box_use:N\l_mix_pbtn_box
14672                 \ocgbase_oc_emc:
14673             }
14674         }
14675     }
14676     \group_end:
14677 }
14678 \int_gincr:N\g_mix_rmcnt_int
14679 }
14680 \mix_endLTR:
14681 \group_end:
14682 }
14683 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14684 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14685
14686 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text
14687     \mix_uribegin:
14688     \group_begin:
14689     \mix_beginLTR:
14690     \mode_leave_vertical:
14691     %reset various variables
14692     \tl_gclear:N\g_mix_overbtn_tl
14693     \tl_gclear:N\g_mix_downbtn_tl
14694     \tl_gclear:N\g_mix_btnactions_tl
14695     \tl_gclear:N\g_mix_tooltip_tl
14696     %process options
14697     \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14698     \mix_uribegin: %treat URI characters correctly
14699     \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14700     \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14701     \mix_uribegin:
14702     %normal button appearance
14703     %\hbox_set:Nn\l_mix_poster_box{#2}
14704     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14705     \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14706     \tl_set:Nx\height {\dim_use:N\box_ht:N\l_mix_poster_box}
14707     \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14708     \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14709         \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
14710             \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}

```



```

14711 \mix_pdfxform:n{\l_mix_poster_box}
14712 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14713 %insert widget annotation
14714 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14715 /Subtype/Widget
14716 /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14717 \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14718 /FT/Btn/Ff~65536
14719 \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14720 /AP~<<
14721 /N~\g_mix_normalbtn_tl
14722 \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14723 \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14724 >>
14725 /MK~<<
14726 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14727 /I~\g_mix_normalbtn_tl
14728 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14729 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14730 >>
14731 /A~<<
14732 /S/JavaScript/JS~(app.focusRect=false;)
14733 %sequence of actions to perform
14734 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14735 >>
14736 }
14737 \mix_appendtofields:n{\mix_pdflastann:}
14738 \hbox_to_wd:nn{\width}{
14739 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14740 }
14741 \int_gincr:N\g_mix_mbtncnt_int
14742 }
14743 \mix_endLTR:
14744 \group_end:
14745 }
14746 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14747 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
14748

```

84 File memoir-xetex-bidi.def

```

14749 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for Xe
14750 \renewcommand{\keepthetitle}{%
14751 \@bsmtitleempty
14752 \global\let\thanks\relax
14753 \global\let\LTRthanks\relax
14754 \global\let\RTLthanks\relax
14755 \global\let\and\relax
14756 \global\let\andnext\relax
14757 \global\let\@thanks\@empty
14758 \global\let\@title\@empty
14759 \global\let\@author\@empty
14760 \global\let\@date\@empty}
14761 \renewcommand{\maketitle}{\par

```



```

14762 \begingroup
14763 \bsmarkseries
14764 \def\@makefnmark{\@textsuperscript{%
14765 \normalfont\@bsthanksheadpre \tmark \@bsthanksheadpost}}%
14766 \long\def\@makefntext##1{\makethanksmark ##1}
14767 \if@twocolumn
14768 \ifnum \col@number=\@ne
14769 \maketitle
14770 \else
14771 \twocolumn[\maketitle]%
14772 \fi
14773 \else
14774 \ifdim\pagetotal>\z@
14775 \newpage
14776 \fi
14777 \global\@topnum\z@
14778 \maketitle
14779 \fi
14780 \thispagestyle{title}\@thanks
14781 \endgroup
14782 \bscontmark % \setcounter{footnote}{0}%
14783 }
14784 \renewcommand*{\memRTLleftskip}{\if@RTL\righskip\else\leftskip\fi}
14785 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\righskip\fi}
14786 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
14787 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
14788 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14789 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14790 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14791 \renewcommand*{\thesubsection}{%
14792 \thechapter\@SepMark\@arabic\c@subsection}
14793 \renewcommand*{\thesubsubsection}{%
14794 \thechapter\@SepMark\@arabic\c@subsubsection}
14795 \renewcommand*{\theparagraph}{%
14796 \thechapter\@SepMark\@arabic\c@paragraph}
14797 \renewcommand*{\thesubparagraph}{%
14798 \thechapter\@SepMark\@arabic\c@subparagraph}
14799 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14800 \renewcommand{\theequation}{%
14801 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14802 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14803 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14804 \ifartopt
14805 \chapterstyle{article}
14806 \counterwithout{figure}{chapter}
14807 \counterwithout{table}{chapter}
14808 \counterwithout{footnote}{chapter}
14809 \counterwithout{equation}{chapter}
14810 \renewcommand{\chaptername}{\@arabic\c@chapter}
14811 \renewcommand{\maketitlehookb}{%
14812 \vskip -1.5\topsep\vskip -1.5\partopsep}
14813 \renewcommand{\maketitlehookc}{%
14814 \vskip -1.5\topsep\vskip -1.5\partopsep}
14815 \fi

```



```

14816 \long\def\@makecaption#1#2{\let\@memtempa\relax
14817 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14818 \else \def\@memtempa{\vbox to\topskip{}}\fi
14819 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
14820 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
14821 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14822 \let\footnote\@contfnote
14823 \let\footnotemark\@contfmark
14824 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14825 \if@contcw
14826 \centering
14827 \parbox{\@contcwidth}{%
14828 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14829 \fi
14830 \ifdim\wd\@tempboxa<\linewidth
14831 \@contpre
14832 {\@contnfont #1\@contdelim}\@memtempa
14833 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14834 \else
14835 \if@conthang
14836 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14837 \@contpre%
14838 {\@contcstyle\hangindent=\wd\@tempboxa
14839 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14840 \else
14841 \if@contindent
14842 \@contpre%
14843 {\@contnfont #1\@contdelim}\@memtempa
14844 {\@contcstyle\hangindent=\@contindw
14845 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14846 \else
14847 \@contpre%
14848 {\@contnfont #1\@contdelim}\@memtempa
14849 {\@contcstyle \@conttfont #2\@contfinal\par}
14850 \fi
14851 \fi
14852 \fi
14853 \@contpost
14854 \if@contcw
14855 \par
14856 } % end of the \parbox
14857 \fi
14858 \vskip\belowcaptionskip}
14859 \ifpackageloaded{caption}{%
14860 \AtBeginPackage{caption}{
14861 \ClassWarningNoLine{memoir}{%
14862 You are using the caption package with the memoir \MessageBreak
14863 class. This may cause unexpected or inconsistent \MessageBreak
14864 results if you use any of memoir's captioning facilities}
14865 }
14866 \long\def\@makecaption##1##2{%
14867 \vskip\abovecaptionskip
14868 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14869 \ifdim \wd\@tempboxa >\hsize

```



```

14870 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14871 \else
14872 \global \@minipagefalse
14873 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14874 \fi
14875 \vskip\belowcaptionskip}
14876
14877 \def\caption{%
14878 \ifx\@capytype\@undefined
14879 \@latex@error{\noexpand\caption outside float}\@ehd
14880 \expandafter\@gobble
14881 \else
14882 \refstepcounter\@capytype
14883 \expandafter\@firstofone
14884 \fi
14885 {\@dblarg{\@caption\@capytype}}%
14886 }
14887
14888 \long\def\@caption##1[##2]##3{%
14889 \par
14890 \addcontentsline{\csname ext@##1\endcsname}{##1}%
14891 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
14892 \begingroup
14893 \@parboxrestore
14894 \if@minipage
14895 \setminipage
14896 \fi
14897 \normalsize
14898 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14899 \endgroup}
14900 }{}
14901 \renewenvironment{thebibliography}[1]{%
14902 \bibsection
14903 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14904 \bidi@thebibliography@font@hook%
14905 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

85 File midfloat-xetex-bidi.def

```

14906 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14907 \def\RTL@outputdblcol{%
14908 \if@firstcolumn
14909 \global \@firstcolumnfalse
14910 \global\setbox\@leftcolumn\copy\@outputbox
14911 \splitmaxdepth\maxdimen
14912 \vbadness\maxdimen
14913 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14914 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14915 \toks@\expandafter{\topmark}%
14916 \xdef\@firstcoltopmark{\the\toks@}%
14917 \toks@\expandafter{\splitfirstmark}%
14918 \xdef\@firstcolfirstmark{\the\toks@}%
14919 \ifx\@firstcolfirstmark\@empty
14920 \global\let\@setmarks\relax

```



```

14921 \else
14922 \gdef\@setmarks{%
14923 \let\firstmark\@firstcolfirstmark
14924 \let\topmark\@firstcoltopmark}%
14925 \fi
14926 \global\c@colht\@colht\global\c@advvipersep\z@
14927 \ifnum\jua@sk>0
14928 \remove@strip\jua@sar
14929 \global\@colht\the\jua@pr
14930 \ifdim\right@cor>\z@
14931 \global\advance\@colht by\right@cor
14932 \fi
14933 \global\advance\@colht by\cor@height
14934 \global\cor@height=0pt
14935 \fi
14936 \global\setbox\@rightcolumn \vbox{%
14937 \else
14938 \ifdim\c@colht>\@colht
14939 \@tempdima\@colht
14940 \ifdim\@colht>\z@
14941 \global\setbox\@rightcolumn \vbox{%
14942 \unvbox\@rightcolumn
14943 \vbox to\@tempdima{%
14944 \vskip\c@advvipersep\unvbox\@outputbox}%
14945 \vskip\stripsep
14946 \vrule height\the\jua@ht width 0pt depth 0pt
14947 \vskip\stripsep
14948 }%
14949 \global\c@advvipersep\m@advvipersep
14950 \else
14951 \global\setbox\@rightcolumn \vbox{%
14952 \unvbox\@rightcolumn
14953 \vrule height\the\jua@ht width 0pt depth 0pt
14954 \vskip\stripsep
14955 }%
14956 \fi
14957 \ifnum\jua@sk>0
14958 \remove@strip\jua@sar
14959 \global\@colht\the\jua@pr
14960 \global\advance\@colht by-\ht\@rightcolumn
14961 \global\advance\@colht by\cor@height
14962 \global\cor@height=0pt
14963 \else
14964 \global\advance\c@colht by-\ht\@rightcolumn
14965 \global\@colht\c@colht
14966 \fi
14967 \else
14968 \global\@firstcolumntrue
14969 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14970 \unvbox\@rightcolumn
14971 \vskip\c@advvipersep
14972 \unvbox\@outputbox
14973 }%
14974 \setbox\@outputbox \vbox {%

```



```

14975         \hb@xt@\textwidth {%
14976         \hskip \columnwidth
14977         \hfil
14978         \vrule \@width\columnseprule
14979         \hfil
14980         \hb@xt@\columnwidth {%
14981         \bidi@firstcolumn@status@write%
14982         \box\@leftcolumn \hss}%
14983         \hskip-\textwidth
14984         \hb@xt@\columnwidth {%
14985         \bidi@lastcolumn@status@write%
14986         \box\@outputbox \hss}%
14987         \hskip\columnwidth
14988         \hskip\columnsep}%
14989         }%
14990     \@combinedblfloats
14991     \@setmarks
14992     \@outputpage
14993     \begingroup
14994     \@dblfloatplacement
14995     \@startdblcolumn
14996     \@whiles\if@fcolmade \fi
14997     {\@outputpage
14998     \@startdblcolumn}%
14999     \endgroup
15000     \global\jua@sk=0\global\jua@sar={}%
15001     \global\cor@height\z@\global\c@advipersep\z@
15002     \fi
15003 \fi
15004 }
15005
15006
15007 \def\LTR@outputdblcol{%
15008   \if@firstcolumn
15009     \global \@firstcolumnfalse
15010     \global\setbox\@leftcolumn\copy\@outputbox
15011     \splitmaxdepth\maxdimen
15012     \vbadness\maxdimen
15013     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
15014     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15015     \toks@\expandafter{\topmark}%
15016     \xdef\@firstcoltopmark{\the\toks@}%
15017     \toks@\expandafter{\splitfirstmark}%
15018     \xdef\@firstcolfirstmark{\the\toks@}%
15019     \ifx\@firstcolfirstmark\@empty
15020       \global\let\@setmarks\relax
15021     \else
15022       \gdef\@setmarks{%
15023         \let\firstmark\@firstcolfirstmark
15024         \let\topmark\@firstcoltopmark}%
15025     \fi
15026     \global\c@colht\@colht\global\c@advipersep\z@
15027     \ifnum\jua@sk>0
15028       \remove@strip\jua@sar

```



```

15029      \global\@colht\the\jua@pr
15030      \ifdim\right@cor>\z@
15031          \global\advance\@colht by\right@cor
15032      \fi
15033      \global\advance\@colht by\cor@height
15034      \global\cor@height=0pt
15035  \fi
15036  \global \setbox\@rightcolumn \vbox{%
15037  \else
15038      \ifdim\c@colht>\@colht
15039          \@tempdima\@colht
15040          \ifdim\@colht>\z@
15041              \global\setbox\@rightcolumn \vbox{%
15042                  \unvbox\@rightcolumn
15043                  \vbox to\@tempdima{%
15044                      \vskip\c@addvipersep\unvbox\@outputbox}%
15045                  \vskip\stripsep
15046                  \vrule height\the\jua@ht width 0pt depth 0pt
15047                  \vskip\stripsep
15048                  }%
15049              \global\c@addvipersep\m@addvipersep
15050          \else
15051              \global\setbox\@rightcolumn \vbox{%
15052                  \unvbox\@rightcolumn
15053                  \vrule height\the\jua@ht width 0pt depth 0pt
15054                  \vskip\stripsep
15055                  }%
15056          \fi
15057          \ifnum\jua@sk>0
15058              \remove@strip\jua@sar
15059              \global\@colht\the\jua@pr
15060              \global\advance\@colht by -\ht\@rightcolumn
15061              \global\advance\@colht by\cor@height
15062              \global\cor@height=0pt
15063          \else
15064              \global\advance\c@colht by-\ht\@rightcolumn
15065              \global\@colht\c@colht
15066          \fi
15067  \else
15068      \global\@firstcolumntrue
15069      \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
15070          \unvbox\@rightcolumn
15071          \vskip\c@addvipersep
15072          \unvbox\@outputbox
15073          }%
15074      \setbox\@outputbox \vbox {%
15075          \hb@xt@\textwidth {%
15076              \hb@xt@\columnwidth {%
15077                  \bidi@firstcolumn@status@write%
15078                  \box\@leftcolumn \hss}%
15079              \hfil
15080              \vrule \@width\columnseprule
15081              \hfil
15082              \hb@xt@\columnwidth {%

```




```

15083 \bidi@lastcolumn@status@write%
15084 \box\@outputbox \hss}%
15085 }%
15086 }%
15087 \@combinedblfloats
15088 \@setmarks
15089 \@outputpage
15090 \begingroup
15091 \@dblfloatplacement
15092 \@startdblcolumn
15093 \@whiles\if@fcolmade \fi
15094 {\@outputpage
15095 \@startdblcolumn}%
15096 \endgroup
15097 \global\jua@sk=0\global\jua@sar={}%
15098 \global\cor@height\z@\global\c@advipersep\z@
15099 \fi
15100 \fi
15101 }
15102
15103
15104 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
15105 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
15106 \hsize\textwidth
15107 \@parboxrestore
15108 \col@number \@ne
15109 \vrule height\topskip width0pt depth0pt
15110 }
15111
15112 \def\endstrip{%
15113 \egroup\egroup
15114 \if@firstcolumn
15115 \ifdim\pagetotal>\z@
15116 \vskip\stripsep
15117 \global\ht@strip\pagegoal
15118 \global\advance\ht@strip by-\pagetotal
15119 \global\advance\ht@strip by-\stripsep
15120 \global\advance\ht@strip by-\ht\@viper
15121 \global\advance\ht@strip by-\stripsep
15122 \global\jua@ht=\ht\@viper
15123 \else
15124 \global\ht@strip\z@
15125 \fi
15126 \ifdim\ht@strip>\z@
15127 \unvbox\@viper
15128 \vskip\stripsep
15129 \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
15130 \global\advance\jua@sk by1
15131 \else
15132 \@latex@error{Strip needs more place!}\@ehc
15133 \if@vihproof
15134 \framebox[\columnwidth]{??? Strip ???}%
15135 \fi
15136 \fi

```



```

15137         \else
15138         \@latex@error{Strip is used only on left column!}\@ehc
15139         \if@vihproof
15140         \framebox[\columnwidth]{??? Strip ???}%
15141         \fi
15142     \fi
15143 }

```

86 File minitoc-xetex-bidi.def

```

15144 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
15145 \def\@undottedtocline#1#2#3#4#5{%
15146 \ifnum #1>\c@tocdepth\relax \else
15147 \vskip \z@ plus.2\p@
15148 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmarg
15149 \parindent #2\relax\@afterindenttrue
15150 \interlinepenalty\@M
15151 \leavevmode
15152 \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
15153 \hskip -\if@RTL\righskip\else\leftskip\fi
15154 #4\nobreak\hfill \nobreak
15155 \null\par}%
15156 \fi}
15157 \def\@Undottedtocline#1#2#3#4#5{%
15158 \ifnum #1>\c@tocdepth\relax \else
15159 \vskip \z@ \@plus.2\p@
15160 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmarg
15161 \parindent #2\relax\@afterindenttrue
15162 \interlinepenalty\@M
15163 \leavevmode
15164 \@tempdima #3\relax
15165 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
15166 {\coffefont #4}\nobreak \nobreak\null
15167 \par}%
15168 \fi}
15169 \def\@Undottedtoclinep#1#2#3#4#5{%
15170 \ifnum #1>\c@tocdepth\relax \else
15171 \vskip \z@ \@plus.2\p@
15172 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmarg
15173 \parindent #2\relax\@afterindenttrue
15174 \interlinepenalty\@M
15175 \leavevmode
15176 \@tempdima #3\relax
15177 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
15178 {#4}\nobreak \hfill \nobreak\null
15179 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
15180 \par}%
15181 \fi}

```

87 File multicol-xetex-bidi.def

```

15182 \ProvidesFile{multicol-xetex-bidi.def}[2022/02/01 v1.3 bidi adaptations for multicol package
15183 \def\page@sofar{%
15184 \process@cols\mult@rightbox

```



```

15185      {\ifvoid\count@
15186        \setbox\count@\hbox to\hsize{}%
15187        \else
15188          \wd\count@\hsize
15189        \fi}%
15190      \count@\col@number \advance\count@\m@ne
15191      \mult@info\z@
15192      {Column spec: \the\full@width\space = indent
15193        + columns + sep =\MessageBreak
15194        \the\multicol@leftmargin\space
15195        + \the\col@number\space
15196        x \the\hsize\space
15197        + \the\count@\space
15198        x \the\columnsep
15199      }%
15200      \ifvmode\else\errmessage{Multicol Error}\fi
15201      \nointerlineskip
15202      \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
15203      \moveright\multicol@leftmargin
15204      \hbox to\full@width{%
15205        \bidi@multicol@align@columns
15206        \rlap{\phantom p}%
15207      }%
15208      \prevdepth\z@
15209      \kern-\dimen\tw@
15210      \ifdim\dimen\tw@ > \mc@gridwarn
15211        \PackageWarning{multicol}%
15212          {Very deep columns!\MessageBreak
15213            Grid alignment might be broken}%
15214      \fi
15215    }
15216    \def\LTR@column@boxes{%
15217      \process@cols\mult@firstbox{%
15218        \ifdim\dp\count@>\dimen\tw@
15219          \global\dimen\tw@\dp\count@ \fi
15220          \mc@col@status@write
15221          \box\count@
15222          \hss{\columnseprulecolor\vrule
15223            \@width\columnseprule}\hss}%
15224      \ifdim\dp\mult@rightbox>\dimen\tw@
15225        \global\dimen\tw@\dp\mult@rightbox \fi
15226        \mc@lastcol@status@write
15227        \box\mult@rightbox
15228    }
15229
15230    \def\RTL@column@boxes{%
15231      \process@cols\mult@firstbox{%
15232        \hskip\hsize
15233        \hss{\columnseprulecolor\vrule
15234          \@width\columnseprule}\hss
15235      }%
15236      \hskip\hsize
15237      \process@cols\mult@firstbox{%
15238        \ifdim\dp\count@>\dimen\tw@

```



```

15239     \global\dimen\tw@\dp\count@ \fi
15240     \hskip-\hsize
15241     \mc@col@status@write
15242     \box\count@
15243     \hskip-\hsize
15244     \hskip-\columnsep
15245   }%
15246   \ifdim\dp\mult@rightbox>\dimen\tw@
15247     \global\dimen\tw@\dp\mult@rightbox \fi
15248   \hskip-\hsize
15249   \mc@lastcol@status@write
15250   \box\mult@rightbox
15251   \hskip-\hsize
15252   \hskip\full@width
15253 }
15254
15255 \newcommand\RTLmulticolcolumns
15256   {\let\bidimulticol@align@columns
15257     \RTL@column@boxes}
15258 \newcommand\LTRmulticolcolumns
15259   {\let\bidimulticol@align@columns
15260     \LTR@column@boxes}
15261 \newcommand\bidimulticol@align@columns
15262   {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
15263 \bidimulticol@AtEndPreamble{%
15264   \if@bidimulticol@csdef{footinsv@l}{%
15265     \def\footnoterule{\kern-3\p@
15266       \hrule \@width \textwidth \kern 2.6\p@}%
15267   }{}%
15268 }
15269 \def\multicols#1{\col@number#1\relax
15270   \ifnum\col@number<\tw@
15271     \PackageWarning{multicol}%
15272       {Using ~\number\col@number'
15273         columns doesn't seem a good idea.^^J
15274         I therefore use two columns instead}%
15275     \col@number\tw@ \fi
15276   \ifnum\col@number>20
15277     \PackageError{multicol}%
15278       {Too many columns}%
15279     {Current implementation doesn't
15280       support more than 20 columns.%
15281       \MessageBreak
15282       I therefore use 20 columns instead}%
15283   \col@number20 \fi
15284   \ifx\@footnotetext\mult@footnotetext
15285     \else
15286       \let\orig@footnotetext\@footnotetext
15287       \let\@footnotetext\mult@footnotetext
15288     \fi
15289   \ifx\@LTRfootnotetext\mult@LTRfootnotetext
15290     \else
15291       \let\orig@LTRfootnotetext\@LTRfootnotetext
15292       \let\@LTRfootnotetext\mult@LTRfootnotetext

```



```

15293 \fi
15294 \ifx\@RTLfootnotetext\mult@RTLfootnotetext
15295 \else
15296 \let\orig@RTLfootnotetext\@RTLfootnotetext
15297 \let\@RTLfootnotetext\mult@RTLfootnotetext
15298 \fi
15299 \ifnextchar[\mult@cols{\mult@cols[]}]
15300 \long\def\mult@footnotetext#1{\begingroup
15301 \hsize\textwidth
15302 \columnwidth\textwidth
15303 \orig@footnotetext{#1}\endgroup}
15304 \long\def\mult@LTRfootnotetext#1{\begingroup
15305 \hsize\textwidth
15306 \columnwidth\textwidth
15307 \orig@LTRfootnotetext{#1}\endgroup}
15308 \long\def\mult@RTLfootnotetext#1{\begingroup
15309 \hsize\textwidth
15310 \columnwidth\textwidth
15311 \orig@RTLfootnotetext{#1}\endgroup}
15312 \def\right@footnoterule{%
15313 \kern-3\p@
15314 \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
15315 \kern2.6\p@}
15316 \def\textwidth@footnoterule{\kern-3\p@
15317 \hrule \@width \textwidth \kern 2.6\p@}
15318 \def\bidileave@mult@copyins{%
15319 \advance\dimen@-\skip\@bidi@copyins@
15320 \advance\dimen@-\ht\@bidi@copyins@
15321 }
15322 \bidi@AtEndPreamble{%
15323 \if@bidi@csdef{footinsv@l}{%
15324 \def\bidileave@mult@footinsv@r{%
15325 \advance\dimen@-\skip\footinsv@r
15326 \advance\dimen@-\ht\footinsv@r
15327 }%
15328 \def\bidileave@mult@footinsv@l{%
15329 \advance\dimen@-\skip\footinsv@l
15330 \advance\dimen@-\ht\footinsv@l
15331 }%
15332 \def\bidii@init@mult@footinsv@r{%
15333 \multiply\count\footinsv@r\col@number
15334 \multiply\skip \footinsv@r\col@number
15335 }%
15336 \def\bidii@init@mult@footinsv@l{%
15337 \multiply\count\footinsv@l\col@number
15338 \multiply\skip \footinsv@l\col@number
15339 }%
15340 \def\bidireinsert@footnotesv@r{\ifvoid\footinsv@r\else
15341 \insert\footinsv@r{\fi}%
15342 \def\bidireinsert@footnotesv@l{\ifvoid\footinsv@l\else
15343 \insert\footinsv@l{\fi}%
15344 \bidi@patchcmd{\prepare@multicols}{%
15345 \reinsert@footnotes
15346 }{%

```



```

15347     \reinsert@footnotes
15348     \bidi@init@mult@footinsv@r
15349     \bidi@reinsert@footnotesv@r
15350     \bidi@init@mult@footinsv@l
15351     \bidi@reinsert@footnotesv@l
15352   }{}{}%
15353   \bidi@patchcmd{\multi@column@out}{%
15354     \ifnum \c@tracingmulticols>\thr@@
15355   }{%
15356     \ifvoid\footinsv@r
15357     \ifvoid\footinsv@l
15358     \else
15359       \PackageWarning{multicol}%
15360       {I moved some lines to
15361        the next page.\MessageBreak
15362        Footnotes on page
15363        \thepage\space might be wrong}%
15364     \fi
15365     \else
15366       \PackageWarning{multicol}%
15367       {I moved some lines to
15368        the next page.\MessageBreak
15369        Footnotes on page
15370        \thepage\space might be wrong}%
15371     \fi
15372     \ifnum \c@tracingmulticols>\thr@@
15373   }{}{}%
15374   \bidi@patchcmd{\endmulticols}{%
15375     \reinsert@footnotes
15376   }{%
15377     \reinsert@footnotes
15378     \bidi@reinsert@footnotesv@r
15379     \bidi@reinsert@footnotesv@l
15380   }{}{}%
15381   \bidi@patchcmd{\speci@ls}{%
15382     \reinsert@footnotes
15383   }{%
15384     \reinsert@footnotes
15385     \bidi@reinsert@footnotesv@r
15386     \bidi@reinsert@footnotesv@l
15387   }{}{}%
15388   \bidi@patchcmd{\speci@ls}{%
15389     \reinsert@footnotes
15390   }{%
15391     \reinsert@footnotes
15392     \bidi@reinsert@footnotesv@r
15393     \bidi@reinsert@footnotesv@l
15394   }{}{}%
15395   }{}%
15396   \bidi@patchcmd{\multi@column@out}{%
15397     \ifvbox \@kludgeins
15398   }{%
15399     \if@bidi@csdef{footinsv@l}{%
15400       \divide\skip\footinsv@r\col@number

```



```

15401      \ifvoid\footinsv@r \else
15402      \bidi@leave@mult@footins@vr
15403      \fi
15404      \divide\skip\footinsv@l\col@number
15405      \ifvoid\footinsv@l \else
15406      \bidi@leave@mult@footins@vl
15407      \fi
15408    }{}%
15409    \ifvoid\@bidi@copyins@ \else
15410    \bidi@leave@mult@copyins
15411    \fi
15412    \ifvbox \@kludgeins
15413    }{}{}%
15414  }

```

88 File multienum-xetex-bidi.def

```

15415 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
15416 \renewcommand{\itemx}[1]{\parbox[t]{%
15417 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15418 \parbox[t]{\remainx}{\bidi@raggedright #1\par}%\smallskip
15419 \renewcommand{\itemxx}[2]{\parbox[t]{%
15420 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15421 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15422 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15423 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
15424 \renewcommand{\itemxxx}[3]{\parbox[t]{%
15425 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15426 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15427 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
15428 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
15429 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15430 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3\par}%\smallskip
15431 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
15432 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15433 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15434 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15435 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15436 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15437 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
15438 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15439 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
15440 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
15441 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15442 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
15443 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15444 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
15445 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15446 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
15447 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15448 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
15449 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15450 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
15451 \renewcommand{\itemxox}[2]{\parbox[t]{%

```



```

15452 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15453 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15454 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15455 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
15456 \renewcommand{\itemxox}[2]{\parbox[t]%
15457 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15458 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
15459 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15460 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
15461 \renewcommand{\itemxox}[3]{\parbox[t]%
15462 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15463 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15464 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15465 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #2}\hfill%
15466 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15467 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\smallskip}
15468 \renewcommand{\itemxox}[3]{\parbox[t]%
15469 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15470 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill%
15471 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15472 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
15473 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15474 \parbox[t]{0.25\remainxxx}{\bidi@raggedright #3}\smallskip}
15475 \renewcommand{\itemxxx}[3]{\parbox[t]%
15476 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15477 \parbox[t]{.25\remainxxx}{\bidi@raggedright #1}\hfill%
15478 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15479 \parbox[t]{.25\remainxxx}{\bidi@raggedright #2}\hfill%
15480 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15481 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

89 File natbib-xetex-bidi.def

```

15482 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
15483 \renewenvironment{thebibliography}[1]{%
15484 \bibsection
15485 \parindent\z@
15486 \bibpreamble
15487 \bibfont
15488 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15489 \bidi@thebibliography@font@hook%
15490 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
15491 \ifNAT@openbib
15492 \renewcommand\newblock{\par}%
15493 \else
15494 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
15495 \fi
15496 \sloppy\clubpenalty4000\widowpenalty4000
15497 \sfcode\.\@m
15498 \let\NAT@bibitem@first@sw\@firstoftwo
15499 \let\citeN\cite \let\shortcite\cite
15500 \let\citeasnoun\cite
15501 }{%
15502 \bibitem@fin

```




```

15503 \bibpostamble
15504 \def\@noitemerr{%
15505   \PackageWarning{natbib}{Empty `thebibliography' environment}%
15506 }%
15507 \endlist
15508 \bibcleanup
15509 }%

```

90 File newfloat-xetex-bidi.def

```

15510 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
15511 \renewcommand*\newfloat@setwithin[2]{%
15512   \ifcsname c@chapter\endcsname
15513     \@removefromreset{#1}{chapter}%
15514   \fi
15515   \@removefromreset{#1}{section}%
15516   \edef\@tempa{#2}%
15517   \ifx\@tempa\@empty
15518     \def\@tempa{none}%
15519   \fi
15520   \def\@tempb{none}%
15521   \ifx\@tempa\@tempb
15522     \ifcsname c@chapter\endcsname
15523       \@chapterlistsgap@off{#1}%
15524     \fi
15525     \newfloat@@setwithin{#1}{\{}}%
15526   \else
15527     \def\@tempb{chapter}%
15528     \ifx\@tempa\@tempb
15529       \@addtoreset{#1}{chapter}%
15530       \@chapterlistsgap@on{#1}%
15531       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@S
15532     \else
15533       \def\@tempb{section}%
15534       \ifx\@tempa\@tempb
15535         \@addtoreset{#1}{section}%
15536         \ifcsname c@chapter\endcsname
15537           \@addtoreset{#1}{chapter}%
15538           \@chapterlistsgap@on{#1}%
15539           \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
15540       \else
15541         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
15542       \fi
15543     \else
15544       \newfloat@Error{Invalid value `#2' for option `within'}%
15545     \fi
15546   \fi
15547 \fi}

```

91 File ntheorem-xetex-bidi.def

```

15548 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
15549 \gdef\@thm#1#2#3{%
15550   \if@thmmarks

```



```

15551 \stepcounter{end\InTheoType ctr}%
15552 \fi
15553 \renewcommand{\InTheoType}{#1}%
15554 \if@thmmarks
15555 \stepcounter{curr#1ctr}%
15556 \setcounter{end#1ctr}{0}%
15557 \fi
15558 \refstepcounter{#2}%
15559 \theorem@prework
15560 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15561 \ifvmode \advance\thm@topsepadd\partopsep\fi
15562 \trivlist
15563 \@topsep \theorempreskipamount
15564 \@topsepadd \thm@topsepadd % used by \@endparenv
15565 \advance\linewidth -\theorem@indent
15566 \advance\@totalleftmargin \theorem@indent
15567 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15568 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

92 File ntheorem-hyper-xetex-bidi.def

```

15569 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-h
15570 \gdef\@thm#1#2#3{%
15571 \if@thmmarks
15572 \stepcounter{end\InTheoType ctr}%
15573 \fi
15574 \renewcommand{\InTheoType}{#1}%
15575 \if@thmmarks
15576 \stepcounter{curr#1ctr}%
15577 \setcounter{end#1ctr}{0}%
15578 \fi
15579 \refstepcounter{#2}%
15580 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15581 \ifvmode \advance\thm@topsepadd\partopsep\fi
15582 \trivlist
15583 \@topsep \theorempreskipamount
15584 \@topsepadd \thm@topsepadd % used by \@endparenv
15585 \advance\linewidth -\theorem@indent
15586 \advance\@totalleftmargin \theorem@indent
15587 \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15588 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

93 File overpic-xetex-bidi.def

```

15589 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package f
15590 \renewenvironment{overpic}[2][{}]{%
15591 \sbox{\z@}{\includegraphics[#1]{#2}}%
15592 \settodepth{\@tempcnta}{\usebox{\z@}}%
15593 \settoheight{\@tempcntb}{\usebox{\z@}}%
15594 \advance\@tempcntb\@tempcnta%
15595 \settoheight{\@tempcnta}{\usebox{\z@}}%
15596 \setlength{\@tempdima}{\unitlength}%
15597 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
15598 %

```



```

15599 \OVP@calc%
15600 %
15601 \begin{picture}(\@tempcnta,\@tempcntb)%
15602   \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
15603   \ifGin@grid%
15604     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15605       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15606   \fi\fi%
15607   % reset the graphics parameter
15608   \let\Gin@outer@scalex\relax
15609   \let\Gin@outer@scaley\relax
15610   \let\Gin@angle\relax
15611   \let\Gin@ewidth\Gin@exclamation
15612   \let\Gin@eheight\Gin@ewidth
15613   \def\Gin@scalex{1}
15614   \let\Gin@scaley\Gin@exclamation
15615 }{%
15616   \if@RTL\ifGin@grid%
15617     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15618       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15619   \fi%
15620   \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
15621 \end{picture}%
15622 }%

```

94 File pdfbase-xetex-bidi.def

```

15623 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
15624 \ExplSyntaxOn
15625 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
15626 \cs_set_nopar:Npn\@outputpage{
15627   \int_gincr:N\g_pbs_page_int
15628   \box_if_vertical:cTF{\@outputbox}{
15629     \bool_set_true:N\l_pbs_is_vertical_bool
15630   }{
15631     \bool_set_false:N\l_pbs_is_vertical_bool
15632   }
15633   \hbox_set:Nn\@outputbox{
15634     %begin of page
15635     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
15636     \box_use_drop:N\@outputbox
15637     %end of page
15638     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15639   }
15640   \bool_if:NT\l_pbs_is_vertical_bool{
15641     \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
15642   }
15643   \pbs_outputpage_orig:
15644 }
15645 \ExplSyntaxOff

```

95 File pdfscape-xetex-bidi.def

```

15646 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape packa

```



```

15647 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
15648   \if@RTL
15649     \PLS@Rotate{-90}%
15650   \else
15651     \PLS@Rotate{90}%
15652   \fi
15653 }{}{}

```

96 File pdfpages-xetex-bidi.def

```

15654 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
15655 \renewcommand*{\includepdf}[2] [] {%
15656   \begingroup
15657   \@RTLfalse
15658   \let\AM@threadname\relax
15659   \AM@split@options{pdfpages}{#1}%
15660   \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
15661   \expandafter\setkeys\AM@temp
15662   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
15663     \let\AM@currentdocname\relax
15664     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
15665     \def\AM@pagecount{0}%
15666   }{%
15667     \AM@findfile{#2}%
15668     \if\AM@threadname\relax
15669       \def\AM@threadname{\AM@currentdocname}%
15670     \fi
15671   }%
15672   \ifAM@survey
15673     \def\AM@pagestemp{}%
15674     \@tempcnta=0
15675     \def\foo{%
15676       \ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
15677         {\let\foo\relax}
15678       {\expandafter\ifx\expandafter\\\AM@pagestemp\
15679         \edef\AM@pagestemp{%
15680           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15681         \else
15682           \edef\AM@pagestemp{\AM@pagestemp,%
15683             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15684         \fi
15685         \advance\@tempcnta 1\relax
15686       }%
15687     \foo
15688   }%
15689   \foo
15690   \expandafter\ifx\expandafter\\\AM@pagestemp\
15691     \def\AM@pagestemp{1}%
15692   \fi
15693 \fi
15694 \ifAM@output
15695   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
15696   \AM@output{#1}%
15697 \fi

```



```

15698 \AM@CheckAtEnd
15699 \endgroup
15700 \AM@ClearShipoutPicture
15701 }

```

97 File pgfcorescopes.code-xetex-bidi.def

```

15702 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
15703 \def\pgfpicture{%
15704 \begingroup%
15705 \ifmmode\else\@RTLfalse\beginL\fi%
15706 \pgfpicturetrue%
15707 \global\advance\pgf@picture@serial@count by1\relax%
15708 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
15709 \let\pgf@nodecallback=\pgfutil@gobble%
15710 \pgf@picmaxx=-16000pt\relax%
15711 \pgf@picminx=16000pt\relax%
15712 \pgf@picmaxy=-16000pt\relax%
15713 \pgf@picminy=16000pt\relax%
15714 \pgf@relevantforpicturesizetrue%
15715 \pgf@resetpathsizes%
15716 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}%
15717 \def\endpgfpicture{%
15718 \ifpgfrememberpicturepositiononpage%
15719 \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
15720 \fi%
15721 % ok, now let's position the box
15722 \ifdim\pgf@picmaxx=-16000pt\relax%
15723 % empty picture. make size 0.
15724 \global\pgf@picmaxx=0pt\relax%
15725 \global\pgf@picminx=0pt\relax%
15726 \global\pgf@picmaxy=0pt\relax%
15727 \global\pgf@picminy=0pt\relax%
15728 \fi%
15729 % Shift baseline outside:
15730 \pgf@relevantforpicturesizefalse%
15731 \pgf@process{\pgf@baseline}%
15732 \xdef\pgf@shift@baseline{\the\pgf@y}%
15733 %
15734 \pgf@process{\pgf@trimleft}%
15735 \global\advance\pgf@x by-\pgf@picminx
15736 % prepare \hskip\pgf@trimleft@final.
15737 % note that \pgf@trimleft@final is also queried
15738 % by the pgf image externalization.
15739 \xdef\pgf@trimleft@final{-\the\pgf@x}%
15740 %
15741 \pgf@process{\pgf@trimright}%
15742 \global\advance\pgf@x by-\pgf@picmaxx
15743 % prepare \hskip\pgf@trimright@final.
15744 % note that \pgf@trimright@final is also queried
15745 % by the pgf image externalization.
15746 \xdef\pgf@trimright@final{\the\pgf@x}%
15747 %
15748 \pgf@remember@layerlist@globally

```



```

15749         \endgroup%
15750         \hss%
15751     \egroup%
15752     \pgf@restore@layerlist@from@global
15753     \pgf@insertlayers%
15754     \endgroup%
15755     \pgfsys@discardpath%
15756     \endgroup%
15757     \pgfsys@endscope%
15758     \pgfsys@endpicture%
15759     \endgroup%
15760     \hss
15761 \egroup%
15762 \pgfsys@typesetpicturebox\pgfpic%
15763 \ifmode\else\endL\fi%
15764 \endgroup%
15765 }

```

98 File picinpar-xetex-bidi.def

```

15766 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15767 \long\def\@makewincaption#1#2{%
15768     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15769     \ifdim\wd\@tempboxa>\picwd
15770         {\footnotesize{\bf #1:\enspace}{#2\par}}
15771     \else
15772         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15773     \fi}
15774 \def\endwindow{%
15775     \global\tcd=\tcdsav
15776     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15777     \vbadness=10000
15778     \splittopskip=0pt
15779 %
15780 % Typeset the lines above the window
15781 %
15782 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15783 \tcn=\tcd
15784 \loop\advance\tcn -1
15785 \setbox\fslice=\vsplit\holder to\baselineskip
15786 \prune\fslice\linewidth
15787 \topheight=0pt
15788 \ifnum\dp\fslice>\dp\wstrutbox
15789     \advance\topheight-\dp\fslice
15790     \advance\topheight\dp\wstrutbox
15791     \advance\topheight\ilg\fi
15792 \hbox to\linewidth{\box\fslice}
15793 \vskip-\topheight
15794 \ifdim\ht\holder>0pt\repeat
15795 \fi
15796 %
15797 % Now we build the boxes beside the window
15798 %
15799 \global\topheight=\tcl\baselineskip

```



```

15800 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15801 \global\topheight=\vpic
15802 \fi
15803 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15804 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15805 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15806 \tcn=\tcl \na=0 \nb=0
15807 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15808 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15809 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15810 \ifnum\na=0\ifnum\nb=0
15811 \setbox\waslice=\vbox to\vpic{\vss}
15812 \setbox\wbslice=\vbox to\vpic{\vss}
15813 \bl=1\br=1
15814 \vskip\ilg
15815 \fi\fi
15816 %
15817 % both sides
15818 %
15819 \ifnum\na>0 \ifnum\nb>0
15820 \loop\advance\nb -1
15821 \advance\na -1
15822 \if@RTL%
15823 \setbox\bslice=\vsplit\holder to\baselineskip
15824 \prune\bslice\rtside
15825 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15826 to\rtside{\box\bslice\hfil}}
15827 \setbox\aslice=\vsplit\holder to\baselineskip
15828 \prune\aslice\lftside
15829 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15830 to\lftside{\box\aslice\hfil}}
15831 \else%
15832 \setbox\aslice=\vsplit\holder to\baselineskip
15833 \prune\aslice\lftside
15834 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15835 to\lftside{\box\aslice\hfil}}
15836 \setbox\bslice=\vsplit\holder to\baselineskip
15837 \prune\bslice\rtside
15838 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15839 to\rtside{\box\bslice\hfil}}
15840 \fi%
15841 \ifnum\nb>0\repeat
15842 \fi\fi
15843 %
15844 % only text on the left side
15845 %
15846 \ifnum\na>0
15847 \loop\advance\na -1
15848 \setbox\aslice=\vsplit\holder to\baselineskip
15849 \prune\aslice\lftside
15850 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15851 to\lftside{\box\aslice\hfil}}
15852 \ifdim\ht\holder>0pt\repeat
15853 \fi

```



```

15854 %
15855 % only text on the right side
15856 %
15857 \ifnum\nb>0
15858   \loop\advance\nb -1
15859   \setbox\bslice=\vsplit\holder to\baselineskip
15860   \prune\bslice\rtside
15861   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15862     to\rtside{\box\bslice\hfil}}
15863   \ifdim\ht\holder>0pt\repeat
15864 \fi
15865 %
15866 % fixing the dimensions of the window part
15867 %
15868 \ifnum\bl=0\topheight=\ht\wbslice
15869 \else\ifnum\br=0\topheight=\ht\waslice
15870   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15871     \else\topheight=\ht\wbslice\fi\fi\fi
15872 %
15873 % ship out the window material to the main vertical list
15874 %
15875 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15876 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15877 \fi\fi\fi
15878 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15879 \ifnum\bl>0\box\waslice\hfil\fi%
15880 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15881 \vfill\unvbox\picbox%
15882 \ifnum\picwd>0\vfill\fi%
15883 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15884 \unvbox>windowbox%
15885 \loop
15886 \setbox\bslice=\vsplit\rawtext to\baselineskip
15887 \prune\bslice\linewidth
15888 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15889 \unvbox\wbslice
15890 \ifdim\ht\rawtext>0pt
15891 \repeat
15892 }% FINITO

```

99 File plain-xetex-bidi.def

```

15893 \def\TeXeTOn{\TeXeTstate=1 }
15894 \def\TeXeTOff{\TeXeTstate=0 }
15895 \TeXeTOn
15896 \def\usebox#1{\leavevmode\copy #1\relax}
15897 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
15898 \let\bidi@o@everypar=\everypar
15899 \newtoks\bidi@n@everypar
15900 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
15901 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
15902 \let\everypar=\bidi@n@everypar
15903 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15904 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}

```




```

15905 \protected\def\hboxR{\hbox\bgroup
15906 \everyhbox{%
15907 \aftergroup\egroup
15908 \everyhbox{}}%
15909 \beginR
15910 \@hboxRconstructtrue
15911 \bgroup
15912 \aftergroup\endR
15913 \aftergroup\egroup
15914 }\hbox}
15915 \protected\def\hboxL{\hbox\bgroup
15916 \everyhbox{%
15917 \aftergroup\egroup
15918 \everyhbox{}}%
15919 \beginL
15920 \@hboxRconstructfalse
15921 \bgroup
15922 \aftergroup\endL
15923 \aftergroup\egroup
15924 }\hbox}
15925 \protected\def\vboxR{\vbox\bgroup
15926 \everyvbox{%
15927 \aftergroup\egroup
15928 \everyvbox{}}%
15929 \@RTLtrue
15930 \bgroup
15931 \aftergroup\egroup
15932 }\vbox}
15933 \protected\def\vboxL{\vbox\bgroup
15934 \everyvbox{%
15935 \aftergroup\egroup
15936 \everyvbox{}}%
15937 \@RTLfalse
15938 \bgroup
15939 \aftergroup\egroup
15940 }\vbox}
15941 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15942 \def\endLTR{\par}
15943 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15944 \def\endRTL{\par}
15945 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15946 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15947 \let\unsetRTL=\setLTR
15948 \let\unsetLTR=\setRTL
15949 \let\LR=\LRE
15950 \let\RL=\RLE
15951 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15952 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15953 \let\@ensure@RL=\@ensure@RTL
15954 \let\@ensure@LR=\@ensure@LTR
15955 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15956 \let\@ensure@maindir=\@ensure@dir
15957 \def\@RTL{RTL}
15958 \def\@LTR{LTR}

```



```

15959 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
15960 \def\reset@dir{\ifx\saved@@dir\@RTL\setRTL\else\ifx\saved@@dir\@LTR\setLTR\else\relax\fi}
15961 \let\@TeX\TeX
15962 \def\TeX{\@ensure@LTR{\@TeX}}
15963 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
15964   \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
15965   \ifvoid\footins\else % footnote info is present
15966     \vskip\skip\footins
15967     \footnoterule
15968     \unvbox\footins\fi
15969   \ifrggedbottom \kern-\dimen@ \vfil \fi
15970   \ifvoid\@bidi@copyins@
15971   \else
15972     \vskip\skip\@bidi@copyins@
15973     \unvbox\@bidi@copyins@
15974   \fi
15975 }
15976 \long\def\bidi@reflect@box#1{%
15977   \leavevmode
15978   \setbox\z@\hbox{#1}%
15979   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15980   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15981 }
15982 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
15983   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
15984 \let\setRL=\setRTL
15985 \let\setLR=\setLTR
15986 \let\unsetRL=\setLTR
15987 \let\bidi@saved@eqno=\eqno
15988 \let\bidi@saved@leqno=\leqno
15989 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
15990 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
15991 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15992 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15993 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

100 File pstricks-xetex-bidi.def

```

15994 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15995 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15996 \def\endpspicture{%
15997   \ifshowgrid\ifnum\showgridp>0
15998     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15999   \pst@killglue
16000 % \global\pst@shift=\pst@shift% in fact of the following endgroup
16001 \endgroup
16002 \egroup
16003 \ifdim\wd\pst@hbox=\z@\else
16004   %\@pstrickserr{Extraneous space in the pspicture environment}%
16005   %\Type \space <return> \space to proceed.}%
16006 \fi
16007 \ht\pst@hbox=\pst@dimd
16008 \dp\pst@hbox=-\pst@dimb
16009 \setbox\pst@hbox=\hbox{%

```



```

16010 \kern-\pst@dima
16011 % Orig version -----
16012 %\ifx\pst@tempa\@empty\else
16013 %\advance\pst@dimd-\pst@dimb
16014 %\pst@dimd=\pst@tempa\pst@dimd
16015 %\advance\pst@dimd\pst@dimb
16016 %\lower\pst@dimd
16017 %\fi
16018 %----- end Orig
16019 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
16020 \advance\pst@dimd-\pst@dimb
16021 \pst@dimd=0.5\pst@dimd
16022 \else\pst@dimd-\pst@shift\fi
16023 \advance\pst@dimd\pst@dimb
16024 \lower\pst@dimd
16025 \box\pst@hbox
16026 \kern\pst@dimc}%
16027 \ifstar\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
16028 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
16029 \fboxsep=0pt
16030 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
16031 \ifmmode\else\endL\fi
16032 \endgroup%
16033 \psset[pstricks]{shift=0}% reset value
16034 }

```

101 File quotchap-xetex-bidi.def

```

16035 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
16036 \renewcommand{\qauthor}[1]{%
16037 \par\smallskip
16038 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{\par}\bigskip}
16039 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
16040 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
16041 {\chapnumfont
16042 \ifnum \c@secnumdepth >\m@ne%
16043 \if@mainmatter\thechapter%
16044 \fi\fi
16045 \par\nobreak}%
16046 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi
16047 \nobreak\chapterheadendvskip}}}
16048 \renewcommand*{\@iprintcites}{%
16049 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
16050 \global\let\@printcites\relax}

```

102 File ragged2e-xetex-bidi.def

```

16051 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
16052 \renewcommand{\Centering}{%
16053 \ifx\\ \@raggedtwoe@savedcr
16054 \let\\ \@centercr
16055 \fi
16056 \let\@gnewline\@raggedtwoe@gnewline
16057 \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip

```



```

16058 \@rightskip\CenteringRightskip
16059 \if@RTL\leftskip\else\rightskip\fi\@rightskip
16060 \parfillskip\CenteringParfillskip
16061 \parindent\CenteringParindent
16062 \@raggedtwoe@spaceskiptrue
16063 \@raggedtwoe@everyselectfont
16064 }
16065 \renewcommand{\RaggedLeft}{%
16066 \ifx\\ \@raggedtwoe@savedcr
16067 \let\\ \@centercr
16068 \fi
16069 \let\@gnewline\@raggedtwoe@gnewline
16070 \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
16071 \@rightskip\RaggedLeftRightskip
16072 \if@RTL\leftskip\else\rightskip\fi\@rightskip
16073 \parfillskip\RaggedLeftParfillskip
16074 \parindent\RaggedLeftParindent
16075 \@raggedtwoe@spaceskiptrue
16076 \@raggedtwoe@everyselectfont
16077 }
16078 \renewcommand{\RaggedRight}{%
16079 \ifx\\ \@raggedtwoe@savedcr
16080 \let\\ \@centercr
16081 \fi
16082 \let\@gnewline\@raggedtwoe@gnewline
16083 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
16084 \@rightskip\RaggedRightRightskip
16085 \if@RTL\leftskip\else\rightskip\fi\@rightskip
16086 \parfillskip\RaggedRightParfillskip
16087 \parindent\RaggedRightParindent
16088 \@raggedtwoe@spaceskiptrue
16089 \@raggedtwoe@everyselectfont
16090 }
16091 \renewcommand{\justifying}{%
16092 \let\\ \@raggedtwoe@savedcr
16093 \let\@gnewline\@raggedtwoe@saved@gnewline
16094 \if@RTL\rightskip\else\leftskip\fi\z@
16095 \@rightskip\z@
16096 \if@RTL\leftskip\else\rightskip\fi\@rightskip
16097 \parfillskip\JustifyingParfillskip
16098 \parindent\JustifyingParindent
16099 \@raggedtwoe@spaceskipfalse
16100 \@raggedtwoe@everyselectfont
16101 }
16102 \def\@raggedtwoe@raggedrightboxes@opt{%
16103 \renewcommand{\@arrayparboxrestore}{%
16104 \let\if@nobreak\iffalse
16105 \let\if@noskipsec\iffalse
16106 \let\par\@par
16107 \let\-\@dischyph
16108 \let'\@acci\let`\@accii\let\=\@acciii
16109 \parskip\z@skip
16110 \everypar{}%
16111 \linewidth\hsize

```



```

16112 \totalleftmargin\z@
16113 \if@RTL
16114 \RaggedLeft
16115 \else
16116 \RaggedRight
16117 \fi
16118 \lineskip\normallineskip
16119 \baselineskip\normalbaselineskip
16120 \sloppy}%
16121 \let\@raggedtwoe@raggedrightboxes@opt\relax
16122 }
16123 \def\@raggedtwoe@document@opt{%
16124 \AtBeginDocument{\@raggedtwoe@abdhook}%
16125 \@raggedtwoe@raggedrightboxes@opt
16126 \@raggedtwoe@footmisctrue
16127 \let\@raggedtwoe@document@opt\relax
16128 }
16129 \def\@raggedtwoe@abdhook{%
16130 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
16131 right to left documents and '\string\RaggedRight' for left
16132 to right documents}%
16133 \if@RTL
16134 \RaggedLeft
16135 \else
16136 \RaggedRight
16137 \fi
16138 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
16139 \let\@raggedtwoe@abdhook\relax
16140 }
16141 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
16142 \@raggedtwoe@raggedrightboxes@opt
16143 }{}
16144 \@ifpackagewith{ragged2e}{document}{%
16145 \@raggedtwoe@document@opt
16146 }{}
16147 \let\origin@RaggedLeft=\RaggedLeft
16148 \let\origin@RaggedRight=\RaggedRight
16149 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
16150 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

103 File rapport1-xetex-bidi.def

```

16151 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
16152 \renewenvironment{theindex}{%
16153 \if@twocolumn
16154 \@restonecolfalse
16155 \else
16156 \@restonecoltrue
16157 \fi
16158 \columnseprule \z@
16159 \columnsep 35\p@
16160 \twocolumn[\@makeschapterhead{\indexname}]%
16161 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
16162 \thispagestyle{plain}\parindent\z@

```



```

16163 \parskip\z@ \@plus .3\p@ \relax
16164 \let\item\@idxitem
16165 }{%
16166 \if@restonecol\onecolumn\else\clearpage\fi}
16167 \renewcommand*\head@style{%
16168 \interlinepenalty \@M
16169 \hyphenpenalty=\@M \exhyphenpenalty=\@M
16170 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16171 \if@titlepage
16172 \renewenvironment{abstract}{%
16173 \titlepage
16174 \null\vfil
16175 \section*{\SectFont\abstractname}%
16176 \noindent\ignorespaces}
16177 {\par\vfil\null\endtitlepage}
16178 \else
16179 \renewenvironment{abstract}{%
16180 \if@twocolumn
16181 \section*{\abstractname}%
16182 \else
16183 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16184 \section*{\small\SectFont\abstractname}%
16185 \noindent\ignorespaces
16186 \fi}
16187 {\if@twocolumn\else\par\egroup\fi}
16188 \fi
16189 \renewcommand*\@regtocline[3]{%
16190 \ifnum #1>\c@tocdepth
16191 \else
16192 \vskip\z@\@plus.2\p@
16193 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
16194 \if@RTL\rightskip\else\leftskip\fi\unitindent
16195 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
16196 \parfillskip\z@
16197 \@tempdima\unitindent
16198 \parindent\z@
16199 \leavevmode
16200 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
16201 \hskip 1em \nobreak{\slshape #3}\par
16202 }%
16203 \fi}
16204 \if@oldtoc
16205 \renewcommand*\l@part[2]{%
16206 \ifnum \c@tocdepth >-2\relax
16207 \addpenalty{-\@highpenalty}%
16208 \addvspace{2.25em \@plus\p@}%
16209 \begingroup
16210 \setlength\@tempdima{3em}%
16211 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16212 \parfillskip -\@pnumwidth
16213 {\leavevmode
16214 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16215 \nobreak
16216 \global\@nobreaktrue

```



```

16217         \everypar{\global\@nobreakfalse\everypar{}}%
16218     \endgroup
16219 \fi}
16220 \else
16221     \renewcommand*\l@part{%
16222         \ifnum \c@tocdepth >-2\relax
16223             \addpenalty{-\@highpenalty}%
16224             \addvspace{2.25em \@plus \p@}%
16225             \@regtocline{0}%
16226         \fi}
16227 \fi
16228 \if@oldtoc
16229 \renewcommand*\l@chapter[2]{%
16230     \addpenalty{-\@highpenalty}%
16231     \vskip 1.0em \@plus \p@
16232     \setlength\@tempdima{1.5em}%
16233     \begingroup
16234     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16235     \parfillskip -\@pnumwidth
16236     \leavevmode \bfseries
16237     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16238     \hskip -\if@RTL\rightskip\else\leftskip\fi
16239     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16240     \penalty\@highpenalty
16241 \endgroup}
16242 \else
16243     \renewcommand*\l@chapter{\@regtocline{0}}
16244 \fi
16245 \renewcommand*\left@footnoterule{%
16246     \kern-3\p@
16247     \kern.5\baselineskip
16248     \hrule\@width\unitindent
16249     \kern.4\baselineskip
16250 }
16251 \renewcommand*\right@footnoterule{%
16252     \kern-3\p@
16253     \kern.5\baselineskip
16254     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16255     \kern.4\baselineskip}
16256 \renewenvironment{thebibliography}[1]
16257     {\chapter*{\bibname}%
16258         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16259         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16260         \bidi@thebibliography@font@hook%
16261         \list{\@biblabel{\@arabic\c@enumiv}}%
16262             {\settowidth\labelwidth{\@biblabel{#1}}%
16263             \leftmargin\labelwidth
16264             \advance\leftmargin\labelsep
16265             \@openbib@code
16266             \usecounter{enumiv}%
16267             \let\p@enumiv\@empty
16268             \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16269     \sloppy\clubpenalty4000\widowpenalty4000%
16270     \sfcode`\.\@m}

```



```

16271      {\def\@noitemerr
16272      {\@latex@warning{Empty `thebibliography' environment}}}%
16273      \endlist}
16274 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16275 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16276 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16277 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16278 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16279 \renewcommand*\theequation{%
16280   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
16281 \renewcommand*\thefigure{%
16282   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
16283 \renewcommand*\thetable{%
16284   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
16285 \if@titlepage
16286 \renewcommand*\TitleFont{\rmfamily}
16287 \renewcommand*\maketitle{%
16288   \begin{titlepage}%
16289     \let\footnotesize\small
16290     \let\right@footnoterule\relax
16291     \let\left@footnoterule\relax
16292     \let\textwidth\footnoterule\relax
16293     \let \footnote \thanks
16294     \long\def\@makefntext##1{\parindent\z@
16295       \def\labelitemi{\textendash}\@revlabeltrue
16296       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
16297     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16298     \if@compatibility\setcounter{page}{0}\fi
16299     \null\vfil
16300     \vskip 60\p@
16301     \begin{center}%
16302       \TitleFont
16303       {\LARGE \def\\{\penalty -\@M}
16304         \if@allcaps
16305           \expandafter\uc@nothanks\@title\thanks\relax
16306         \else
16307           \@title
16308           \fi\par}%
16309       \vskip 3em%
16310       {\large
16311         \lineskip .75em \parindent\z@
16312         \begin{tabular}[t]{c}%
16313           \if@allcaps
16314             \expandafter\uc@authornothanks\@author\and\relax
16315           \else
16316             \@author
16317           \fi
16318         \end{tabular}\par}%
16319       \vskip 1.5em%
16320       {\large
16321         \if@allcaps
16322           \uppercase\expandafter{\@date}%
16323         \else
16324           \@date

```




```

16325         \fi\par}%
16326     \end{center}\par
16327     \@thanks
16328     \vfil\null
16329 \end{titlepage}%
16330 \setcounter{footnote}{0}%
16331 \global\let\thanks\relax
16332 \global\let\maketitle\relax
16333 \global\let\@thanks\@empty
16334 \global\let\@author\@empty
16335 \global\let\@title\@empty
16336 \global\let\@date\@empty
16337 \global\let\title\relax
16338 \global\let\author\relax
16339 \global\let\date\relax
16340 \global\let\and\relax
16341 }
16342 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
16343 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
16344     \futurelet\@tempa\uc@ax}
16345 \def\uc@ax{%
16346     \ifx\@tempa\relax
16347     \else
16348         \\\andname \\\expandafter\uc@authornothanks
16349     \fi}
16350 \def\uc@tx{\ifx\@tempa\relax
16351     \else \expandafter\uc@ty \fi}
16352 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
16353 \else
16354 \renewcommand*\maketitle{\par
16355     \begin{group}
16356         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16357         \def\@makefnmark{\rlap{%
16358             \@textsuperscript{\normalfont\@thefnmark}}}%
16359         \long\def\@makefntext{\@xmakefntext{%
16360             \@textsuperscript{\normalfont\@thefnmark}}}%
16361         \if@twocolumn
16362             \ifnum \col@number=\@one
16363                 \@maketitle
16364             \else
16365                 \twocolumn[\@maketitle]%
16366             \fi
16367         \else
16368             \newpage
16369             \global\@topnum\z@
16370             \@maketitle
16371         \fi
16372         \thispagestyle{plain}\@thanks
16373     \end{group}
16374     \setcounter{footnote}{0}%
16375     \global\let\thanks\relax
16376     \global\let\maketitle\relax
16377     \global\let\@maketitle\relax
16378     \global\let\@thanks\@empty

```



```

16379 \global\let\@author\@empty
16380 \global\let\@title\@empty
16381 \global\let\@date\@empty
16382 \global\let\title\relax
16383 \global\let\author\relax
16384 \global\let\date\relax
16385 \global\let\and\relax
16386 }
16387 \def\@maketitle{%
16388 \newpage
16389 \null
16390 \vskip 2em%
16391 \begin{center}%
16392 \let \footnote \thanks
16393 {\LARGE \TitleFont \@title \par}%
16394 \vskip 1.5em%
16395 {\large \TitleFont
16396 \lineskip .5em%
16397 \begin{tabular}[t]{c}%
16398 \@author
16399 \end{tabular}\par}%
16400 \vskip 1em%
16401 {\large \TitleFont \@date}%
16402 \end{center}%
16403 \par
16404 \vskip 1.5em}
16405 \fi

```

104 File rapport3-xetex-bidi.def

```

16406 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
16407 \renewenvironment{theindex}{%
16408 \if@twocolumn
16409 \@restonecolfalse
16410 \else
16411 \@restonecoltrue
16412 \fi
16413 \columnseprule \z@
16414 \columnsep 35\p@
16415 \twocolumn[\@makeschapterhead{\indexname}]%
16416 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
16417 \thispagestyle{plain}\parindent\z@
16418 \parskip\z@ \@plus .3\p@\relax
16419 \let\item\@idxitem
16420 }{%
16421 \if@restonecol\onecolumn\else\clearpage\fi}
16422 \if@titlepage
16423 \renewcommand*\TitleFont{\rmfamily}
16424 \renewcommand*\maketitle{%
16425 \begin{titlepage}%
16426 \let\footnotesize\small
16427 \let\right@footnoterule\relax
16428 \let\left@footnoterule\relax
16429 \let\textwidth\footnoterule\relax

```



```

16430 \let \footnote \thanks
16431 \let \LTRfootnote \LTRthanks
16432 \let \RTLfootnote \RTLthanks
16433 \long\def\@makefntext##1{\parindent\z@
16434 \def\labelitemi{\textendash}\@revlabeltrue
16435 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
16436 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16437 \if@compatibility\setcounter{page}{0}\fi
16438 \null\vfil
16439 \vskip 60\p@
16440 \begin{center}%
16441 \TitleFont
16442 {\LARGE \def\{\{\penalty -\@M}
16443 \if@allcaps
16444 \expandafter\uc@nothanks\@title\thanks\relax
16445 \else
16446 \@title
16447 \fi\par}%
16448 \vskip 3em%
16449 {\large
16450 \lineskip .75em \parindent\z@
16451 \begin{tabular}[t]{c}%
16452 \if@allcaps
16453 \expandafter\uc@authornothanks\@author\and\relax
16454 \else
16455 \@author
16456 \fi
16457 \end{tabular}\par}%
16458 \vskip 1.5em%
16459 {\large
16460 \if@allcaps
16461 \uppercase\expandafter{\@date}%
16462 \else
16463 \@date
16464 \fi\par}%
16465 \end{center}\par
16466 \@thanks
16467 \vfil\null
16468 \end{titlepage}%
16469 \setcounter{footnote}{0}%
16470 \global\let\thanks\relax
16471 \global\let\LTRthanks\relax
16472 \global\let\RTLthanks\relax
16473 \global\let\maketitle\relax
16474 \global\let\@thanks\@empty
16475 \global\let\@author\@empty
16476 \global\let\@title\@empty
16477 \global\let\@date\@empty
16478 \global\let\title\relax
16479 \global\let\author\relax
16480 \global\let\date\relax
16481 \global\let\and\relax
16482 }
16483 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}

```



```

16484 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
16485     \futurelet\@tempa\uc@ax}
16486 \def\uc@ax{%
16487     \ifx\@tempa\relax
16488     \else
16489     \\\andname \\\expandafter\uc@authornothanks
16490     \fi}
16491 \def\uc@tx{\ifx\@tempa\relax
16492     \else \expandafter\uc@ty \fi}
16493 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
16494 \else
16495 \renewcommand*\maketitle{\par
16496     \begingroup
16497     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16498     \def\@makefnmark{\rlap{%
16499         \@textsuperscript{\normalfont\@thefnmark}}}%
16500     \long\def\@makefntext{\@xmakefntext{%
16501         \@textsuperscript{\normalfont\@thefnmark}}}%
16502     \if@twocolumn
16503     \ifnum \col@number=\@one
16504     \\\@maketitle
16505     \else
16506     \twocolumn[\@maketitle]%
16507     \fi
16508     \else
16509     \newpage
16510     \global\@topnum\z@
16511     \\\@maketitle
16512     \fi
16513     \thispagestyle{plain}\@thanks
16514 \endgroup
16515 \setcounter{footnote}{0}%
16516 \global\let\thanks\relax
16517 \global\let\LTRthanks\relax
16518 \global\let\RTLthanks\relax
16519 \global\let\maketitle\relax
16520 \global\let\@maketitle\relax
16521 \global\let\@thanks\@empty
16522 \global\let\@author\@empty
16523 \global\let\@title\@empty
16524 \global\let\@date\@empty
16525 \global\let\title\relax
16526 \global\let\author\relax
16527 \global\let\date\relax
16528 \global\let\and\relax
16529 }
16530 \def\@maketitle{%
16531     \newpage
16532     \null
16533     \vskip 2em%
16534 \if@titlecentered
16535     \begin{center}%
16536         \let \footnote \thanks
16537         \let \LTRfootnote \LTRthanks

```



```

16538 \let \RTLfootnote \RTLthanks
16539 {\LARGE \TitleFont \@title \par}%
16540 \vskip 1.5em%
16541 {\large \TitleFont
16542 \lineskip .5em%
16543 \begin{tabular}[t]{c}%
16544 \@author
16545 \end{tabular}\par}%
16546 \vskip 1em%
16547 {\large \TitleFont \@date}%
16548 \end{center}%
16549 \else
16550 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
16551 {\large \TitleFont \lineskip .5em \tabcolsep\z@
16552 \def\and{%% \begin{tabular} has already started
16553 \end{tabular}\hskip 1em plus .17fil
16554 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabu
16555 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}%
16556 \vskip 1em {\large \TitleFont \@date}
16557 \fi
16558 \par
16559 \vskip 1.5em}
16560 \fi
16561 \renewcommand*\@regtocline[3]{%
16562 \ifnum #1>\c@tocdepth
16563 \else
16564 \vskip\z@\@plus.2\p@
16565 {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
16566 \if@RTL\righskip\else\leftskip\fi\unitindent
16567 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
16568 \parfillskip\z@
16569 \@tempdima\unitindent
16570 \parindent\z@
16571 \leavevmode
16572 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
16573 \hskip 1em \nobreak{\slshape #3}\par
16574 }%
16575 \fi}
16576 \if@oldtoc
16577 \renewcommand*\l@part[2]{%
16578 \ifnum \c@tocdepth >-2\relax
16579 \addpenalty{-\@highpenalty}%
16580 \addvspace{2.25em \@plus\p@}%
16581 \begingroup
16582 \setlength\@tempdima{3em}%
16583 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
16584 \parfillskip -\@pnumwidth
16585 {\leavevmode
16586 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16587 \nobreak
16588 \global\@nobreaktrue
16589 \everypar{\global\@nobreakfalse\everypar{}}%
16590 \endgroup
16591 \fi}

```



```

16592 \else
16593   \renewcommand*\l@part{%
16594     \ifnum \c@tocdepth >-2\relax
16595       \addpenalty{-\@highpenalty}%
16596       \addvspace{2.25em \@plus \p@}%
16597       \@regtocline{0}%
16598     \fi}
16599 \fi
16600 \if@oldtoc
16601 \renewcommand*\l@chapter[2]{%
16602   \addpenalty{-\@highpenalty}%
16603   \vskip 1.0em \@plus \p@
16604   \setlength\@tempdima{1.5em}%
16605   \begingroup
16606   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16607   \parfillskip -\@pnumwidth
16608   \leavevmode \bfseries
16609   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16610   \hskip -\if@RTL\rightskip\else\leftskip\fi
16611   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16612   \penalty\@highpenalty
16613   \endgroup}
16614 \else
16615   \renewcommand*\l@chapter{\@regtocline{0}}
16616 \fi
16617 \renewcommand*\head@style{%
16618   \interlinepenalty \@M
16619   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16620   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16621 \if@titlepage
16622   \renewenvironment{abstract}{%
16623     \titlepage
16624     \null\vfil
16625     \section*\SectFont\abstractname}%
16626     \noindent\ignorespaces}
16627     {\par\vfil\null\endtitlepage}
16628 \else
16629   \renewenvironment{abstract}{%
16630     \if@twocolumn
16631       \section*\abstractname}%
16632     \else
16633       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16634       \section*\small\SectFont\abstractname}%
16635       \noindent\ignorespaces
16636     \fi}
16637     {\if@twocolumn\else\par\egroup\fi}
16638 \fi
16639 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16640 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16641 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16642 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16643 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16644 \renewcommand*\thefigure{%
16645   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}

```



```

16646 \renewcommand*\thetable{%
16647   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16648 \renewcommand*\theequation{%
16649   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
16650 \renewenvironment{thebibliography}[1]
16651   {\chapter*\bibname}%
16652   \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16653   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
16654   \bidi@thebibliography@font@hook%
16655   \list{\biblabel{\@arabic\c@enumiv}}%
16656     {\settowidth\labelwidth{\biblabel{#1}}%
16657     \leftmargin\labelwidth
16658     \advance\leftmargin\labelsep
16659     \@openbib@code
16660     \usecounter{enumiv}%
16661     \let\p@enumiv\@empty
16662     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16663   \sloppy\clubpenalty4000\widowpenalty4000%
16664   \sfcode`\.\@m}
16665   {\def\@noitemerr
16666     {\@latex@warning{Empty `thebibliography' environment}}}%
16667   \endlist}
16668 \renewcommand*\left@footnoterule{%
16669   \kern-3\p@
16670   \kern.5\baselineskip
16671   \hrule\@width\unitindent
16672   \kern.4\baselineskip
16673 }
16674 \renewcommand*\right@footnoterule{%
16675   \kern-3\p@
16676   \kern.5\baselineskip
16677   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16678   \kern.4\baselineskip}
16679 \renewcommand*\head@style{%
16680   \interlinepenalty \@M
16681   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16682   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

105 File refrep-xetex-bidi.def

```

16683 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
16684 \if@titlepage
16685   \renewcommand\maketitle{\begin{titlepage}%
16686     \let\footnotesize\small
16687     \let\right@footnoterule\relax
16688     \let\left@footnoterule\relax
16689     \let\textwidth\footnoterule\relax
16690     \let\footnote\thanks
16691     \let\LTRfootnote\LTRthanks
16692     \let\RTLfootnote\RTLthanks
16693     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16694     \def\@makefnmark%
16695       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16696     \long\def\@makefntext##1{%

```



```

16697 \setpar{\@par
16698 \tempdima = \hsize
16699 \advance\tempdima -1em
16700 \parshape \@ne 1em \tempdima}%
16701 \par\parindent 1em \noindent
16702 \hb@xt@\z@\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16703 \null\vfil
16704 \vskip 60\p@
16705 \begin{center}%
16706 {\LARGE \@title \par}%
16707 \vskip 3em%
16708 {\large
16709 \lineskip .75em%
16710 \begin{tabular}[t]{c}%
16711 \@author
16712 \end{tabular}\par}%
16713 \vskip 1.5em%
16714 {\large \@date \par}% % Set date in \large size.
16715 \end{center}\par
16716 \@thanks
16717 \vfil\null
16718 \end{titlepage}%
16719 \setcounter{footnote}{0}%
16720 \global\let\thanks\relax
16721 \global\let\LTRthanks\relax
16722 \global\let\RTLthanks\relax
16723 \global\let\maketitle\relax
16724 \global\let\@thanks\@empty
16725 \global\let\@author\@empty
16726 \global\let\@date\@empty
16727 \global\let\@title\@empty
16728 \global\let\title\relax
16729 \global\let\author\relax
16730 \global\let\date\relax
16731 \global\let\and\relax
16732 }
16733 \else
16734 \renewcommand\maketitle{\par
16735 \begingroup
16736 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16737 \def\@makefnmark%
16738 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16739 \long\def\@makefntext##1{%
16740 \setpar{\@par
16741 \tempdima = \hsize
16742 \advance\tempdima -1em
16743 \parshape \@ne 1em \tempdima}%
16744 \par\parindent 1em \noindent
16745 \hb@xt@\z@\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16746 \if@twocolumn
16747 \ifnum \col@number=\@ne
16748 \@maketitle
16749 \else
16750 \twocolumn[\@maketitle]%

```




```

16751         \fi
16752     \else
16753         \newpage
16754         \global\@topnum\z@    % Prevents figures from going at top of page.
16755         \@maketitle
16756     \fi
16757     \thispagestyle{empty}\@thanks
16758 \endgroup
16759 \setcounter{footnote}{0}%
16760 \global\let\thanks\relax
16761 \global\let\LTRthanks\relax
16762 \global\let\RTLthanks\relax
16763 \global\let\maketitle\relax
16764 \global\let\@maketitle\relax
16765 \global\let\@thanks\@empty
16766 \global\let\@author\@empty
16767 \global\let\@date\@empty
16768 \global\let\@title\@empty
16769 \global\let\title\relax
16770 \global\let\author\relax
16771 \global\let\date\relax
16772 \global\let\and\relax
16773 }
16774 \def\@maketitle{%
16775     \newpage
16776     \null
16777     \longthickrule\vskip1.5em%
16778     \let \footnote \thanks
16779     \let \LTRfootnote \LTRthanks
16780     \let \RTLfootnote \RTLthanks
16781     {\secshape \parskip\z@ \parindent\z@
16782     \Large\bfseries \@title \par}%
16783     \vskip1.5em\longthickrule\vskip1.5em%
16784     {\normalsize
16785     \lineskip .5em%
16786     \begin{flushright}%
16787         {\slshape\@author\par}
16788         \vskip 1em%
16789         {\@date}%
16790     \end{flushright}\par}%
16791     \vskip 1.5em}
16792 \fi
16793 \renewcommand*\l@part[2]{%
16794     \ifnum \c@tocdepth >-2\relax
16795         \addpenalty{-\@highpenalty}%
16796         \addvspace{2.25em \@plus\p@}%
16797         \begingroup
16798             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16799             \parfillskip -\@pnumwidth
16800             {\leavevmode
16801             \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16802             \nobreak
16803             \global\@nobreaktrue
16804             \everypar{\global\@nobreakfalse\everypar{}}}%

```



```

16805 \endgroup
16806 \fi}
16807 \renewcommand*\l@chapter[2]{%
16808 \ifnum \c@tocdepth >\m@ne
16809 \addpenalty{-\@highpenalty}%
16810 \vskip 1.0em \@plus\p@
16811 \setlength\@tempdima{1.5em}%
16812 \begingroup
16813 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16814 \parfillskip -\@pnumwidth
16815 \leavevmode \bfseries
16816 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16817 \hskip -\if@RTL\rightskip\else\leftskip\fi
16818 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16819 \penalty\@highpenalty
16820 \endgroup
16821 \fi}
16822 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16823 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16824 \hyphenpenalty=2000}
16825 \renewcommand\left@footnoterule{%
16826 \kern-3\p@
16827 \hrule\@width.4\columnwidth
16828 \kern 2.6\p@}
16829 \renewcommand\right@footnoterule{%
16830 \kern-3\p@
16831 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16832 \kern2.6\p@}
16833 \renewcommand\theequation
16834 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16835 \renewcommand\thefigure
16836 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16837 \renewcommand\thetable%
16838 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16839 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16840 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16841 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16842 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16843 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16844 \renewenvironment{thebibliography}[1]
16845 {\chapter*{\bibname
16846 \@mkboth{\bibname}{\bibname}}%
16847 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16848 \bidi@thebibliography@font@hook%
16849 \list{\@biblabel{\@arabic\c@enumiv}}%
16850 {\settowidth\labelwidth{\@biblabel{#1}}%
16851 \leftmargin\labelwidth
16852 \advance\leftmargin\labelsep
16853 \@openbib@code
16854 \usecounter{enumiv}%
16855 \let\p@enumiv\@empty
16856 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16857 \sloppy
16858 \clubpenalty4000

```



```

16859         \@clubpenalty \clubpenalty
16860         \widowpenalty4000%
16861         \sfcode`\.\=\@m}
16862     {\def\@noitemerr
16863       {\@latex@warning{Empty `thebibliography' environment}}}%
16864     \endlist}

```

106 File report-xetex-bidi.def

```

16865 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report cl
16866 \renewenvironment{theindex}
16867     {\if@twocolumn
16868       \@restonecolfalse
16869       \else
16870       \@restonecoltrue
16871       \fi
16872       \columnseprule \z@
16873       \columnsep 35\p@
16874       \twocolumn[\@makeschapterhead{\indexname}}%
16875       \@mkboth{\MakeUppercase\indexname}%
16876       {\MakeUppercase\indexname}%
16877       \thispagestyle{plain}\parindent\z@
16878       \parskip\z@ \@plus .3\p@\relax
16879       \let\item\@idxitem}
16880     {\if@restonecol\onecolumn\else\clearpage\fi}
16881 \if@titlepage
16882 \renewcommand\maketitle{\begin{titlepage}%
16883 \let\footnotesize\small
16884 \let\right@footnoterule\relax
16885 \let\left@footnoterule\relax
16886 \let\textwidth@footnoterule\relax
16887 \let \footnote \thanks
16888 \let \LTRfootnote \LTRthanks
16889 \let \RTLfootnote \RTLthanks
16890 \null\vfil
16891 \vskip 60\p@
16892 \begin{center}%
16893   {\LARGE \@title \par}%
16894   \vskip 3em%
16895   {\large
16896     \lineskip .75em%
16897     \begin{tabular}[t]{c}%
16898       \@author
16899     \end{tabular}\par}%
16900     \vskip 1.5em%
16901     {\large \@date \par}%           % Set date in \large size.
16902 \end{center}\par
16903 \@thanks
16904 \vfil\null
16905 \end{titlepage}%
16906 \setcounter{footnote}{0}%
16907 \global\let\thanks\relax
16908 \global\let\LTRthanks\relax
16909 \global\let\RTLthanks\relax

```



```

16910 \global\let\maketitle\relax
16911 \global\let\@thanks\@empty
16912 \global\let\@author\@empty
16913 \global\let\@date\@empty
16914 \global\let\@title\@empty
16915 \global\let\title\relax
16916 \global\let\author\relax
16917 \global\let\date\relax
16918 \global\let\and\relax
16919 }
16920 \else
16921 \renewcommand\maketitle{\par
16922 \begingroup
16923 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16924 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16925 \long\def\@makefntext##1{\parindent 1em\noindent
16926 \hb@xt@1.8em{%
16927 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16928 \if@twocolumn
16929 \ifnum \col@number=\@ne
16930 \@maketitle
16931 \else
16932 \twocolumn[\@maketitle]%
16933 \fi
16934 \else
16935 \newpage
16936 \global\@topnum\z@ % Prevents figures from going at top of page.
16937 \@maketitle
16938 \fi
16939 \thispagestyle{plain}\@thanks
16940 \endgroup
16941 \setcounter{footnote}{0}%
16942 \global\let\thanks\relax
16943 \global\let\LTRthanks\relax
16944 \global\let\RTLthanks\relax
16945 \global\let\maketitle\relax
16946 \global\let\@maketitle\relax
16947 \global\let\@thanks\@empty
16948 \global\let\@author\@empty
16949 \global\let\@date\@empty
16950 \global\let\@title\@empty
16951 \global\let\title\relax
16952 \global\let\author\relax
16953 \global\let\date\relax
16954 \global\let\and\relax
16955 }
16956 \def\@maketitle{%
16957 \newpage
16958 \null
16959 \vskip 2em%
16960 \begin{center}%
16961 \let \footnote \thanks
16962 \let \LTRfootnote \LTRthanks
16963 \let \RTLfootnote \RTLthanks

```



```

16964     {\LARGE \@title \par}%
16965     \vskip 1.5em%
16966     {\large
16967       \lineskip .5em%
16968       \begin{tabular}[t]{c}%
16969         \@author
16970       \end{tabular}\par}%
16971     \vskip 1em%
16972     {\large \@date}%
16973   \end{center}%
16974   \par
16975   \vskip 1.5em}
16976 \fi
16977 \renewcommand*\l@part[2]{%
16978   \ifnum \c@tocdepth >-2\relax
16979     \addpenalty{-\@highpenalty}%
16980     \addvspace{2.25em \@plus\p@}%
16981     \setlength\@tempdima{3em}%
16982     \begingroup
16983       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16984       \parfillskip -\@pnumwidth
16985       {\leavevmode
16986         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16987       \nobreak
16988       \global\@nobreaktrue
16989       \everypar{\global\@nobreakfalse\everypar{}}%
16990     \endgroup
16991   \fi}
16992 \renewcommand*\l@chapter[2]{%
16993   \ifnum \c@tocdepth >\m@ne
16994     \addpenalty{-\@highpenalty}%
16995     \vskip 1.0em \@plus\p@
16996     \setlength\@tempdima{1.5em}%
16997     \begingroup
16998       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16999       \parfillskip -\@pnumwidth
17000       \leavevmode \bfseries
17001       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
17002       \hskip -\if@RTL\rightskip\else\leftskip\fi
17003       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
17004       \penalty\@highpenalty
17005     \endgroup
17006   \fi}
17007 \renewcommand\left@footnoterule{%
17008   \kern-3\p@
17009   \hrule\@width.4\columnwidth
17010   \kern2.6\p@}
17011 \renewcommand\right@footnoterule{%
17012   \kern-3\p@
17013   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17014   \kern2.6\p@}
17015 \renewcommand\theequation
17016   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
17017 \renewcommand \thefigure

```



```

17018     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
17019 \renewcommand \thetable
17020     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
17021 \renewcommand \thechapter {\@arabic\c@chapter}
17022 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
17023 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
17024 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
17025 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
17026 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
17027 \def\@makechapterhead#1{%
17028     \vspace*{50\p@}%
17029     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
17030         \ifnum \c@secnumdepth >\m@ne
17031             \huge\bfseries \@chapapp\space \thechapter
17032             \par\nobreak
17033             \vskip 20\p@
17034         \fi
17035         \interlinepenalty\@M
17036         \Huge \bfseries #1\par\nobreak
17037         \vskip 40\p@
17038     }}
17039 \def\@makeschapterhead#1{%
17040     \vspace*{50\p@}%
17041     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
17042         \normalfont
17043         \interlinepenalty\@M
17044         \Huge \bfseries #1\par\nobreak
17045         \vskip 40\p@
17046     }}
17047 \renewenvironment{thebibliography}[1]
17048     {\chapter*{\bibname}%
17049         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
17050         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17051         \bidi@thebibliography@font@hook%
17052         \list{\@biblabel{\@arabic\c@enumiv}}{%
17053             {\settowidth\labelwidth{\@biblabel{#1}}%
17054             \leftmargin\labelwidth
17055             \advance\leftmargin\labelsep
17056             \@openbib@code
17057             \usecounter{enumiv}%
17058             \let\p@enumiv\@empty
17059             \renewcommand\theenumiv{\@arabic\c@enumiv}}%
17060         \sloppy
17061         \clubpenalty4000
17062         \@clubpenalty \clubpenalty
17063         \widowpenalty4000%
17064         \sfcode`\.\@m}
17065     {\def\@noitemerr
17066         {\@latex@warning{Empty `thebibliography' environment}}%
17067         \endlist}

```

107 File rotating-xetex-bidi.def

17068 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]



```

17069 \def\end@rotfloat{%
17070   \end{minipage}\end{lrbox}%
17071   \stepcounter{r@tfl@t}%
17072   \rot@label{RF\ther@tfl@t}%
17073   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
17074   \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
17075   \rot@mess@toks\expandafter{\@tempa}
17076   \wd\rot@float@box\z@
17077   \ht\rot@float@box\z@
17078   \dp\rot@float@box\z@
17079   \vboxL to \textheight{%
17080     \setkeys{Grot}{units=360}}%
17081     \if@rot@twoside
17082     \else
17083       \let\R@@page\rot@LR
17084     \fi
17085     \ifthenelse{\isodd{\R@@page}}{%
17086       \if@rot@twoside
17087         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
17088       \fi
17089       \vfill
17090       @@line{%
17091         \hskip\rotFPtop
17092         \rotatebox{90}{\box\rot@float@box}%
17093         \hskip\rotFPbot
17094       }%
17095     }{%
17096       \if@rot@twoside
17097         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
17098       \fi
17099       @@line{%
17100         \hskip\rotFPbot
17101         \rotatebox{-90}{\box\rot@float@box}%
17102         \hskip\rotFPtop
17103       }%
17104       \vfill
17105     }%
17106     \rot@message{\the\rot@mess@toks}
17107   }%
17108   \end@float
17109 }
17110 \let\endsidewaysfigure\end@rotfloat
17111 \let\endsidewaystable\end@rotfloat
17112 \def\end@rotdblfloat{%
17113   \end{minipage}\end{lrbox}%
17114   \stepcounter{r@tfl@t}%
17115   \rot@label{RF\ther@tfl@t}%
17116   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
17117   \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
17118   \rot@mess@toks\expandafter{\@tempa}
17119   \@tempdima\ht\rot@float@box
17120   \advance\@tempdima by \dp\rot@float@box
17121   \wd\rot@float@box\z@
17122   \ht\rot@float@box\z@

```



```

17123 \dp\rot@float@box\z@
17124 \vboxL to \textheight{%
17125   \setkeys{Grot}{units=360}%
17126   \if@rot@twoside
17127   \else
17128     \let\R@@page\rot@LR
17129   \fi
17130   \ifthenelse{\isodd{\R@@page}}{%
17131     \ifrot@messages
17132     \if@rot@twoside
17133     \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
17134 \fi
17135   \fi
17136   \vfill
17137   \@@line{%
17138     \hskip\rotFPtop
17139     \rotatebox{90}{\box\rot@float@box}%
17140     \hskip\rotFPbot
17141   }%
17142   }{%
17143     \ifrot@messages
17144     \if@rot@twoside
17145     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
17146 \fi
17147   \fi%
17148   \@@line{%
17149     \hskip\rotFPbot
17150     \rotatebox{-90}{\box\rot@float@box}%
17151     \hskip\rotFPtop
17152   }%
17153   \vfill
17154   }%
17155   \rot@message{\the\rot@mess@toks}%
17156 }%
17157 \end@dblfloat
17158 }
17159 \def\turn#1{%
17160   \Grot@setangle{#1}%
17161   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
17162 \def\endturn{%
17163   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
17164   \unskip\color@endbox
17165   \Grot@x\z@
17166   \Grot@y\z@
17167   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17168 }
17169 \def\rotate#1{%
17170   \Grot@setangle{#1}%
17171   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
17172 \def\endrotate{%
17173   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
17174   \unskip\color@endbox
17175   \Grot@x\z@
17176   \Grot@y\z@

```




```

17177 \wd0\z@\dp0\z@\ht0\z@
17178 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17179 }
17180 \def\turnbox#1#2{%
17181 \Grot@setangle{#1}%
17182 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
17183 \Grot@x\z@\Grot@y\z@
17184 \wd0\z@\dp0\z@\ht0\z@
17185 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17186 }
17187 \def\sideways{%
17188 \Grot@setangle{90}%
17189 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
17190 \def\endsideways{%
17191 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
17192 \unskip\color@endbox
17193 \Grot@x\z@
17194 \Grot@y\z@
17195 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17196 }

```

108 File scrartcl-xetex-bidi.def

```

17197 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class f
17198 \newcommand{\scr@saved@LTRfootnotetext}{}
17199 \newcommand{\scr@saved@RTLfootnotetext}{}
17200 \let\scr@saved@footnotetext\@footnotetext
17201 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17202 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17203 \renewcommand{\@footnotetext}[1]{%
17204 \scr@saved@footnotetext{#1}%
17205 \csname FN@mfp@prepare\endcsname
17206 }
17207 \renewcommand{\@LTRfootnotetext}[1]{%
17208 \scr@saved@LTRfootnotetext{#1}%
17209 \csname FN@mfp@prepare\endcsname
17210 }
17211 \renewcommand{\@RTLfootnotetext}[1]{%
17212 \scr@saved@RTLfootnotetext{#1}%
17213 \csname FN@mfp@prepare\endcsname
17214 }
17215 \renewcommand\deffootnote[4][1]{%
17216 \long\def\@makefn#1{%
17217 \setlength{\@tempdimc}{#3}%
17218 \def\@tempa{#1}\ifx\@tempa\@empty
17219 \setpar{\@par
17220 \@tempdima = \hsize
17221 \addtolength{\@tempdima}{-#2}%
17222 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17223 \else
17224 \addtolength{\@tempdimc}{#2}%
17225 \addtolength{\@tempdimc}{-#1}%
17226 \setpar{\@par
17227 \@tempdima = \hsize

```



```

17228      \addtolength{\@tempdima}{-#1}%
17229      \@tempdimb = \hsize
17230      \addtolength{\@tempdimb}{-#2}%
17231      \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
17232      }%
17233      \fi
17234      \par
17235      \parindent\@tempdimc\noindent
17236      \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17237      }%
17238      \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17239      }
17240      \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17241      \renewcommand*\left@footnoterule{%
17242        \normalsize\ftn@rule@test@values
17243        \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17244        \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17245        {\usekomafont{footnoterule}{%
17246          \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17247        \kern 2.6\p@}
17248      \renewcommand*\right@footnoterule{%
17249        \normalsize\ftn@rule@test@values
17250        \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17251        \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17252        {\usekomafont{footnoterule}{%
17253          \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
17254          \kern 2.6\p@}
17255      \renewcommand*\maketitle[1][1]{%
17256        \if@titlepage
17257          \begin{titlepage}
17258            \setcounter{page}{%
17259              #1%
17260            }%
17261            \let\footnotesize\small
17262            \let\right@footnoterule\relax
17263            \let\left@footnoterule\relax
17264            \let\textwidth\footnoterule\relax
17265            \let\footnote\thanks
17266            \let\LTRfootnote\LTRthanks
17267            \let\RTLfootnote\RTLthanks
17268            \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17269            \let\@oldmakefnmark\@makefnmark
17270            \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
17271            \ifx\@extratitle\@empty \else
17272              \noindent\@extratitle\next@tpage\cleardoubleemptypage
17273              \thispagestyle{empty}%
17274            \fi
17275            \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
17276            \ifx\@titlehead\@empty \else
17277              \begin{minipage}[t]{\textwidth}%
17278                \@titlehead
17279              \end{minipage}\par
17280            \fi
17281            \null\vfill

```



```

17282 \begin{center}
17283 \ifx\@subject\@empty \else
17284 {\subject@font \@subject \par}%
17285 \vskip 3em
17286 \fi
17287 {\titlefont\huge \@title\par}%
17288 \vskip 1em
17289 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17290 \vskip 2em
17291 {\Large \lineskip 0.75em
17292 \begin{tabular}[t]{c}
17293 \@author
17294 \end{tabular}\par
17295 }%
17296 \vskip 1.5em
17297 {\Large \@date \par}%
17298 \vskip \z@ \@plus3fill
17299 {\Large \@publishers \par}%
17300 \vskip 3em
17301 \end{center}\par
17302 \@thanks
17303 \vfill\null
17304 \if@twoside\next@tpage
17305 \begin{minipage}[t]{\textwidth}
17306 \@uppertitleback
17307 \end{minipage}\par
17308 \vfill
17309 \begin{minipage}[b]{\textwidth}
17310 \@lowertitleback
17311 \end{minipage}
17312 \fi
17313 \ifx\@dedication\@empty \else
17314 \next@tpage\null\vfill
17315 {\centering \Large \@dedication \par}%
17316 \vskip \z@ \@plus3fill
17317 \if@twoside \next@tpage\cleardoubleemptypage \fi
17318 \fi
17319 \end{titlepage}
17320 \else
17321 \par
17322 \@tempcnta=%
17323 #1%
17324 \relax\ifnum\@tempcnta=1\else
17325 \ClassWarning{\KOMAClassName}{%
17326 Optional argument of \string\maketitle\space ignored
17327 at\MessageBreak
17328 notitlepage-mode%
17329 }%
17330 \fi
17331 \begingroup
17332 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17333 \let\@oldmakefnmark\@makefnmark
17334 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17335 \if@twocolumn

```



```

17336         \ifnum \col@number=\@ne
17337             \@maketitle
17338         \else
17339             \twocolumn[\@maketitle]%
17340         \fi
17341     \else
17342         \newpage
17343         \global\@topnum\z@
17344         \@maketitle
17345     \fi
17346     \thispagestyle{\titlepagestyle}\@thanks
17347 \endgroup
17348 \fi
17349 \setcounter{footnote}{0}%
17350 \let\thanks\relax
17351 \let\LTRthanks\relax
17352 \let\RTLthanks\relax
17353 \let\maketitle\relax
17354 \let\@maketitle\relax
17355 \global\let\@thanks\@empty
17356 \global\let\@author\@empty
17357 \global\let\@date\@empty
17358 \global\let\@title\@empty
17359 \global\let\@subtitle\@empty
17360 \global\let\@extratitle\@empty
17361 \global\let\@titlehead\@empty
17362 \global\let\@subject\@empty
17363 \global\let\@publishers\@empty
17364 \global\let\@uppertitleback\@empty
17365 \global\let\@lowertitleback\@empty
17366 \global\let\@dedication\@empty
17367 \global\let\author\relax
17368 \global\let\title\relax
17369 \global\let\extratitle\relax
17370 \global\let\titlehead\relax
17371 \global\let\subject\relax
17372 \global\let\publishers\relax
17373 \global\let\uppertitleback\relax
17374 \global\let\lowertitleback\relax
17375 \global\let\dedication\relax
17376 \global\let\date\relax
17377 \global\let\and\relax
17378 }%
17379 \renewcommand*{\@maketitle}{%
17380     \clearpage
17381     \let\footnote\thanks
17382     \let\LTRfootnote\LTRthanks
17383     \let\RTLfootnote\RTLthanks
17384     \ifx\@extratitle\@empty \else
17385         \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17386     \fi
17387     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17388     \ifx\@titlehead\@empty \else
17389         \begin{minipage}[t]{\textwidth}

```



```

17390     \@titlehead
17391     \end{minipage}\par
17392 \fi
17393 \null
17394 \vskip 2em%
17395 \begin{center}%
17396     \ifx\@subject\@empty \else
17397         {\subject@font \@subject \par}
17398         \vskip 1.5em
17399     \fi
17400     {\titlefont\huge \@title \par}%
17401     \vskip .5em
17402     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17403     \vskip 1em
17404     {\Large
17405         \lineskip .5em%
17406         \begin{tabular}[t]{c}
17407             \@author
17408         \end{tabular}\par
17409     }%
17410     \vskip 1em%
17411     {\Large \@date \par}%
17412     \vskip \z@ \@plus 1em
17413     {\Large \@publishers \par}
17414     \ifx\@dedication\@empty \else
17415         \vskip 2em
17416         {\Large \@dedication \par}
17417     \fi
17418 \end{center}%
17419 \par
17420 \vskip 2em
17421 }%
17422 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17423 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
17424 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17425 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17426 \renewcommand*{\thesubsubsection}{%
17427     \thesubsection\@SepMark\@arabic\c@subsubsection
17428 }
17429 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17430 \renewcommand*{\thesubparagraph}{%
17431     \theparagraph\@SepMark\@arabic\c@subparagraph
17432 }
17433 \renewenvironment{thebibliography}[1]{%
17434     \if@bib@break@
17435         \bib@beginhook
17436     \else
17437         \bib@heading
17438         \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17439             \noindent\bibpreamble\par\nobreak
17440         \fi\fi
17441         \bib@beginhook
17442         \bib@before@hook
17443     \fi

```



```

17444 \renewcommand{\BreakBibliography}[1]{%
17445   \@bib@break
17446   \end{thebibliography}%
17447   \begingroup ##1\endgroup
17448   \begin{thebibliography}{#1}
17449 }%
17450 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
17451 \bidi@thebibliography@font@hook%
17452 \list{%
17453   \@biblabel{\@arabic\c@enumiv}%
17454 }{%
17455   \settowidth\labelwidth{\@biblabel{#1}}%
17456   \leftmargin\labelwidth
17457   \advance\leftmargin\labelsep
17458   \@openbib@code
17459   \if@bib@break@
17460     \edef\@tempa{%
17461       \noexpand\usecounter{enumiv}%
17462       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17463     }\@tempa
17464     \no@bib@break
17465   \else
17466     \usecounter{enumiv}%
17467   \fi
17468   \let\p@enumiv\@empty
17469   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17470 }%
17471 \sloppy\clubpenalty4000 \widowpenalty4000
17472 \sfcode`\.=\@m
17473 }{%
17474 \if@bib@break@
17475   \def\@noitemerr{%
17476     \@latex@warning{%
17477       \string\BreakBibliography\space at begin of `thebibliography'
17478       environment\MessageBreak
17479       or following \string\BreakBibliography}%
17480   }%
17481 \else
17482   \def\@noitemerr{%
17483     \@latex@warning{%
17484       Empty `thebibliography' environment or
17485       \string\BreakBibliography\MessageBreak
17486       before end of `thebibliography' environment}%
17487   }%
17488 \fi
17489 \endlist
17490 \if@bib@break@
17491 \else
17492   \bib@after@hook
17493   \let\bib@before@hook\@empty
17494   \let\bib@after@hook\@empty
17495 \fi
17496 \bib@endhook
17497 }

```



```

17498 \renewcommand*\left@footnoterule{%
17499   \kern-3\p@
17500   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17501   \hrule\@width.4\columnwidth
17502   \kern 2.6\p@}
17503 \renewcommand*\right@footnoterule{%
17504   \kern-3\p@
17505   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17506   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17507   \kern2.6\p@}
17508 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
17509 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
17510 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
17511 \renewcommand\marginline[1]{%
17512   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}
17513 }
17514 \renewcommand{\@@makecaption}[3]{%
17515   \cap@margin
17516   \ifonelinecaptions
17517     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17518     \let\scr@tmp@footnotetext=\@footnotetext
17519     \let\@footnotetext=\@gobble
17520     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17521     \let\@LTRfootnotetext=\@gobble
17522     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17523     \let\@RTLfootnotetext=\@gobble
17524     \sbox\@tempboxa{%
17525       {\capfont{\strut\ignorespaces
17526         #1{\caplabelfont{#2\captionformat}}}%
17527       #3\unskip\strut}}%
17528     }%
17529     \let\@footnotetext=\scr@tmp@footnotetext
17530     \let\scr@tmp@footnotetext=\undefined
17531     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17532     \let\scr@tmp@LTRfootnotetext=\undefined
17533     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17534     \let\scr@tmp@RTLfootnotetext=\undefined
17535     \setcounter{footnote}{\@tempcntb}%
17536     \setcounter{mpfootnote}{\@tempcnta}%
17537   \else
17538     \sbox\@tempboxa{\hspace*{2\cap@width}}%
17539   \fi
17540   \begingroup%
17541     \setlength{\@tempdima}{\cap@width}%
17542     \ifdim \wd\@tempboxa >\@tempdima
17543       \hb@xt@\hsize{%
17544         \setbox\@tempboxa\vbox{\hsize=\cap@width
17545           \ifdofullcap
17546             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17547               #1{\caplabelfont{#2\captionformat}}}}}%
17548             {#3\unskip\strut\par}}}%
17549       \else%
17550         \ifdim\cap@indent<\z@
17551           {\capfont{\strut\ignorespaces

```



```

17552         #1{\caplabelfont{#2\captionformat\par}}}%
17553         \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17554     \else%
17555         \if@capbreak
17556             {\capfont{\strut\ignorespaces
17557                 #1{\caplabelfont{#2\captionformat\par}}}%
17558                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17559         \else
17560             {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17561                 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17562                     {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17563         \fi
17564     \fi
17565 \fi
17566 }%
17567 \setlength{\@tempdima}{\ht\@tempboxa}%
17568 \addtolength{\@tempdima}{\dp\@tempboxa}%
17569 \addtolength{\@tempdima}{-\ht\strutbox}%
17570 \ht\@tempboxa\ht\strutbox
17571 \dp\@tempboxa\@tempdima
17572 \strut\cap@left
17573 \box\@tempboxa
17574 \cap@right\strut
17575 }%
17576 \else
17577     \global \@minipagefalse
17578     \sbox\@tempboxa{%
17579         {\capfont{\scr@smashdp{\strut\ignorespaces
17580             #1{\caplabelfont{#2\captionformat}}}%
17581             #3}}%
17582     }%
17583     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi}}
17584     \fi
17585 \endgroup
17586 }
17587 \renewcommand{\@makecaption}[2]{%
17588     \if@captionabove
17589         \vskip\belowcaptionskip
17590     \else
17591         \vskip\abovecaptionskip
17592     \fi
17593     \@makecaption\@firstofone{#1}{#2}%
17594     \if@captionabove
17595         \vskip\abovecaptionskip
17596     \else
17597         \vskip\belowcaptionskip
17598     \fi
17599 }
17600 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17601     \ifpackageloaded{caption2}{\@komalongtablefalse
17602         \scr@caption@before@longtable@warning{caption2}}%
17603     }{%
17604     \if@komalongtable
17605         \renewcommand{LT@makecaption}[3]{%

```




```

17606 \noalign{%
17607 \if@captionabove
17608 \vskip\belowcaptionskip
17609 \else
17610 \vskip\abovecaptionskip
17611 \fi
17612 }%
17613 \LT@mcol\LT@cols c{%
17614 \hbox to\z@{\hss\parbox[t]{\linewidth{%
17615 \@makecaption{#1}{#2}{#3}%
17616 \endgraf
17617 \if@captionabove
17618 \vskip\abovecaptionskip
17619 \else
17620 \vskip\belowcaptionskip
17621 \fi
17622 }%
17623 \hss
17624 }%
17625 }%
17626 }%
17627 \renewcommand*{\scr@LT@array}{}%
17628 \let\scr@LT@array=\LT@array
17629 \renewcommand*{\LT@array}{%
17630 \let\scr@caption=\LT@caption
17631 \def\captionabove{\noalign{\global\@captionabovetrue}%
17632 \scr@caption}%
17633 \def\captionbelow{\noalign{\global\@captionabovefalse}%
17634 \scr@caption}%
17635 \if@tablecaptionabove
17636 \let\LT@caption=\captionabove
17637 \else
17638 \let\LT@caption=\captionbelow
17639 \fi
17640 \scr@LT@array
17641 }%
17642 \ClassInfo{\KOMAClassName}{%
17643 longtable captions redefined%
17644 }%
17645 \fi
17646 }
17647
17648 \CloneTOCEntryStyle{tocline}{part}
17649 \TOCEntryStyleStartInitCode{part}{%
17650 \expandafter\renewcommand%
17651 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17652 \expandafter\renewcommand%
17653 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17654 \expandafter\renewcommand%
17655 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17656 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17657 \expandafter\renewcommand\expandafter*%
17658 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17659 }

```



```

17660
17661 \CloneTOCEntryStyle{tocline}{section}
17662 \TOCEntryStyleStartInitCode{section}{%
17663   \expandafter\renewcommand%
17664   \csname scr@tso@#1@linefill\endcsname{%
17665     \if@sectionentrywithdots
17666       \TOCLineLeaderFill\relax
17667     \else
17668       \hfill
17669     \fi
17670   }%
17671   % F^fcr die Eintr^e4ge die Schrift von Element sectionentry verwenden.
17672   \expandafter\renewcommand%
17673   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
17674   \expandafter\renewcommand%
17675   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{s
17676   \expandafter\renewcommand\expandafter*%
17677   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17678 }
17679
17680 \CloneTOCEntryStyle{tocline}{subsection}
17681 \TOCEntryStyleStartInitCode{subsection}{%
17682   \expandafter\renewcommand%
17683   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17684 }
17685
17686 \CloneTOCEntryStyle{subsection}{default}
17687
17688 \DeclareSectionCommand[%
17689   style=part,%
17690   level=\z@,%
17691   tocstyle=part,%
17692   toplevel=\m@ne,%
17693   tocindent=\z@,%
17694   tocnumwidth=2em%
17695 ]{part}
17696 \DeclareSectionCommand[%
17697   style=section,%
17698   level=1,%
17699   indent=\z@,%
17700   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
17701   afterskip=2.3ex \@plus .2ex,%
17702   tocstyle=section,%
17703   tocindent=0pt,%
17704   tocnumwidth=1.5em%
17705 ]{section}
17706 \DeclareSectionCommand[%
17707   style=section,%
17708   level=2,%
17709   indent=\z@,%
17710   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
17711   afterskip=1.5ex \@plus .2ex,%
17712   tocstyle=subsection,%
17713   tocindent=1.5em,%

```



```

17714 tocnumwidth=2.3em%
17715 ]{subsection}
17716 \DeclareSectionCommand[%
17717   style=section,%
17718   level=3,%
17719   indent=\z@,%
17720   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17721   afterskip=1.5ex \@plus .2ex,%
17722   tocstyle=subsection,%
17723   tocindent=3.8em,%
17724   tocnumwidth=3.2em%
17725 ]{subsubsection}
17726 \DeclareSectionCommand[%
17727   style=section,%
17728   level=4,%
17729   indent=\z@,%
17730   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17731   afterskip=-1em,%
17732   tocstyle=subsection,%
17733   tocindent=7.0em,%
17734   tocnumwidth=4.1em%
17735 ]{paragraph}
17736 \DeclareSectionCommand[%
17737   style=section,%
17738   level=5,%
17739   indent=\scr@parindent,%
17740   beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17741   afterskip=-1em,%
17742   tocstyle=subsection,%
17743   tocindent=10em,%
17744   tocnumwidth=5em%
17745 ]{subparagraph}

```

109 File scrbook-xetex-bidi.def

```

17746 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for
17747 \newcommand{\scr@saved@LTRfootnotetext}{}
17748 \newcommand{\scr@saved@RTLfootnotetext}{}
17749 \let\scr@saved@footnotetext\@footnotetext
17750 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17751 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17752 \renewcommand{\@footnotetext}[1]{%
17753   \scr@saved@footnotetext{#1}%
17754   \csname FN@mfb@prepare\endcsname
17755 }
17756 \renewcommand{\@LTRfootnotetext}[1]{%
17757   \scr@saved@LTRfootnotetext{#1}%
17758   \csname FN@mfb@prepare\endcsname
17759 }
17760 \renewcommand{\@RTLfootnotetext}[1]{%
17761   \scr@saved@RTLfootnotetext{#1}%
17762   \csname FN@mfb@prepare\endcsname
17763 }
17764 \renewcommand\deffootnote[4][]{%

```



```

17765 \long\def\@makefnttext##1{%
17766   \setlength{\@tempdimc}{#3}%
17767   \def\@tempa{#1}\ifx\@tempa\@empty
17768     \setpar{\@par
17769       \@tempdima = \hsize
17770       \addtolength{\@tempdima}{-#2}%
17771       \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17772   \else
17773     \addtolength{\@tempdimc}{#2}%
17774     \addtolength{\@tempdimc}{-#1}%
17775     \setpar{\@par
17776       \@tempdima = \hsize
17777       \addtolength{\@tempdima}{-#1}%
17778       \@tempdimb = \hsize
17779       \addtolength{\@tempdimb}{-#2}%
17780       \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
17781     }%
17782     \fi
17783     \par
17784     \parindent\@tempdimc\noindent
17785     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17786   }%
17787   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17788 }
17789 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17790 \renewcommand*\left@footnoterule{%
17791   \normalsize\ftn@rule@test@values
17792   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17793   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17794   {\usekomafont{footnoterule}{%
17795     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17796   \kern 2.6\p@}
17797 \renewcommand*\right@footnoterule{%
17798   \normalsize\ftn@rule@test@values
17799   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17800   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17801   {\usekomafont{footnoterule}{%
17802     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
17803   \kern 2.6\p@}
17804 \renewcommand*\maketitle[1][1]{%
17805   \if@titlepage
17806     \begin{titlepage}
17807       \setcounter{page}{%
17808         #1%
17809       }%
17810       \let\footnotesize\small
17811       \let\right@footnoterule\relax
17812       \let\left@footnoterule\relax
17813       \let\textwidth\footnoterule\relax
17814       \let\footnote\thanks
17815       \let\LTRfootnote\LTRthanks
17816       \let\RTLfootnote\RTLthanks
17817       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17818       \let\@oldmakefnmark\@makefnmark

```



```

17819 \renewcommand*{\@makefnmark}{\rlap{\oldmakefnmark}}%
17820 \ifx\@extratitle\@empty \else
17821 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17822 \thispagestyle{empty}%
17823 \fi
17824 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17825 \ifx\@titlehead\@empty \else
17826 \begin{minipage}[t]{\textwidth}%
17827 \@titlehead
17828 \end{minipage}\par
17829 \fi
17830 \null\vfill
17831 \begin{center}
17832 \ifx\@subject\@empty \else
17833 {\subject@font \@subject \par}%
17834 \vskip 3em
17835 \fi
17836 {\titlefont\huge \@title\par}%
17837 \vskip 1em
17838 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17839 \vskip 2em
17840 {\Large \lineskip 0.75em
17841 \begin{tabular}[t]{c}
17842 \@author
17843 \end{tabular}\par
17844 }%
17845 \vskip 1.5em
17846 {\Large \@date \par}%
17847 \vskip \z@ \@plus3fill
17848 {\Large \@publishers \par}%
17849 \vskip 3em
17850 \end{center}\par
17851 \@thanks
17852 \vfill\null
17853 \if@twoside\next@tpage
17854 \begin{minipage}[t]{\textwidth}
17855 \@uppertitleback
17856 \end{minipage}\par
17857 \vfill
17858 \begin{minipage}[b]{\textwidth}
17859 \@lowertitleback
17860 \end{minipage}
17861 \fi
17862 \ifx\@dedication\@empty \else
17863 \next@tpage\null\vfill
17864 {\centering \Large \@dedication \par}%
17865 \vskip \z@ \@plus3fill
17866 \if@twoside \next@tpage\cleardoubleemptypage \fi
17867 \fi
17868 \end{titlepage}
17869 \else
17870 \par
17871 \@tempcnta=%
17872 #1%

```



```

17873 \relax\ifnum \@tempcnta=1\else
17874 \ClassWarning{\KOMAClassName}{%
17875   Optional argument of \string\maketitle\space ignored
17876   at\MessageBreak
17877   notitlepage-mode%
17878 }%
17879 \fi
17880 \begingroup
17881 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17882 \let\@oldmakefnmark\@makefnmark
17883 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}
17884 \if@twocolumn
17885   \ifnum \col@number=\@one
17886     \@maketitle
17887   \else
17888     \twocolumn[\@maketitle]%
17889   \fi
17890 \else
17891   \newpage
17892   \global\@topnum\z@
17893   \@maketitle
17894 \fi
17895 \thispagestyle{\titlepagestyle}\@thanks
17896 \endgroup
17897 \fi
17898 \setcounter{footnote}{0}%
17899 \let\thanks\relax
17900 \let\LTRthanks\relax
17901 \let\RTLthanks\relax
17902 \let\maketitle\relax
17903 \let\@maketitle\relax
17904 \global\let\@thanks\@empty
17905 \global\let\@author\@empty
17906 \global\let\@date\@empty
17907 \global\let\@title\@empty
17908 \global\let\@subtitle\@empty
17909 \global\let\@extratitle\@empty
17910 \global\let\@titlehead\@empty
17911 \global\let\@subject\@empty
17912 \global\let\@publishers\@empty
17913 \global\let\@uppertitleback\@empty
17914 \global\let\@lowertitleback\@empty
17915 \global\let\@dedication\@empty
17916 \global\let\author\relax
17917 \global\let\title\relax
17918 \global\let\extratitle\relax
17919 \global\let\titlehead\relax
17920 \global\let\subject\relax
17921 \global\let\publishers\relax
17922 \global\let\uppertitleback\relax
17923 \global\let\lowertitleback\relax
17924 \global\let\dedication\relax
17925 \global\let\date\relax
17926 \global\let\and\relax

```



```

17927 }%
17928 \renewcommand*{\@maketitle}{%
17929   \clearpage
17930   \let\footnote\thanks
17931   \let\LTRfootnote\LTRthanks
17932   \let\RTLfootnote\RTLthanks
17933   \ifx\@extratitle\@empty \else
17934     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17935   \fi
17936   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17937   \ifx\@titlehead\@empty \else
17938     \begin{minipage}[t]{\textwidth}
17939       \@titlehead
17940     \end{minipage}\par
17941   \fi
17942   \null
17943   \vskip 2em%
17944   \begin{center}%
17945     \ifx\@subject\@empty \else
17946       {\subject@font \@subject \par}
17947       \vskip 1.5em
17948     \fi
17949     {\titlefont\huge \@title \par}%
17950     \vskip .5em
17951     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17952     \vskip 1em
17953     {\Large
17954       \lineskip .5em%
17955       \begin{tabular}[t]{c}
17956         \@author
17957       \end{tabular}\par
17958     }%
17959     \vskip 1em%
17960     {\Large \@date \par}%
17961     \vskip \z@ \@plus 1em
17962     {\Large \@publishers \par}
17963     \ifx\@dedication\@empty \else
17964       \vskip 2em
17965       {\Large \@dedication \par}
17966     \fi
17967   \end{center}%
17968   \par
17969   \vskip 2em
17970 }%
17971 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17972 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17973 \renewcommand*\thesection{%
17974   \ifnum \scr@compatibility>\@nameuse{scr@v02.97d}\relax
17975     \if@mainmatter\thechapter\@SepMark\fi
17976   \else
17977     \thechapter\@SepMark%
17978   \fi
17979   \@arabic\c@section
17980 }

```



```

17981 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17982 \renewcommand*{\thesubsubsection}{%
17983   \thesubsection\@SepMark\@arabic\c@subsubsection
17984 }
17985 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17986 \renewcommand*{\thesubparagraph}{%
17987   \theparagraph\@SepMark\@arabic\c@subparagraph
17988 }
17989 \renewcommand*{\thefigure{%
17990   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17991     \if@mainmatter\thechapter\@SepMark\fi
17992   \else
17993     \thechapter\@SepMark%
17994   \fi
17995   \@arabic\c@figure
17996 }
17997 \renewcommand*{\thetable{%
17998   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17999     \if@mainmatter\thechapter\@SepMark\fi
18000   \else
18001     \thechapter\@SepMark%
18002   \fi
18003   \@arabic\c@table
18004 }
18005 \renewcommand*{\theequation{%
18006   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
18007     \if@mainmatter\thechapter\@SepMark\fi
18008   \else
18009     \thechapter\@SepMark%
18010   \fi
18011   \@arabic\c@equation
18012 }
18013 \renewenvironment{thebibliography}[1]{%
18014   \if@bib@break@
18015     \bib@beginhook
18016   \else
18017     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18018       \setchapterpreamble{\bibpreamble}%
18019     \fi\fi
18020     \bib@heading
18021     \bib@beginhook
18022     \bib@before@hook
18023   \fi
18024   \renewcommand{\BreakBibliography}[1]{%
18025     \@bib@break
18026     \end{thebibliography}%
18027     \begingroup ##1\endgroup
18028     \begin{thebibliography}{#1}
18029   }%
18030   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18031   \bidi@thebibliography@font@hook%
18032   \list{%
18033     \@biblabel{\@arabic\c@enumiv}%
18034   }{%

```




```

18035 \settowidth\labelwidth{\@biblabel{#1}}%
18036 \leftmargin\labelwidth
18037 \advance\leftmargin\labelsep
18038 \@openbib@code
18039 \if@bib@break@
18040 \edef\@tempa{%
18041 \noexpand\usecounter{enumiv}}%
18042 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18043 }\@tempa
18044 \no@bib@break
18045 \else
18046 \usecounter{enumiv}%
18047 \fi
18048 \let\p@enumiv\@empty
18049 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18050 }%
18051 \sloppy\clubpenalty4000 \widowpenalty4000
18052 \sfcode`\.=\@m
18053 }{%
18054 \if@bib@break@
18055 \def\@noitemerr{%
18056 \@latex@warning{%
18057 \string\BreakBibliography\space at begin of `thebibliography'
18058 environment\MessageBreak
18059 or following \string\BreakBibliography}%
18060 }%
18061 \else
18062 \def\@noitemerr{%
18063 \@latex@warning{%
18064 Empty `thebibliography' environment or
18065 \string\BreakBibliography\MessageBreak
18066 before end of `thebibliography' environment}%
18067 }%
18068 \fi
18069 \endlist
18070 \if@bib@break@
18071 \else
18072 \bib@after@hook
18073 \let\bib@before@hook\@empty
18074 \let\bib@after@hook\@empty
18075 \fi
18076 \bib@endhook
18077 }
18078 \renewcommand*\left@footnoterule{%
18079 \kern-3\p@
18080 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18081 \hrule\@width.4\columnwidth
18082 \kern 2.6\p@}
18083 \renewcommand*\right@footnoterule{%
18084 \kern-3\p@
18085 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18086 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18087 \kern2.6\p@}
18088 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}

```



```

18089 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
18090 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18091 \renewcommand\marginline[1]{%
18092   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18093 }
18094 \renewcommand{\@makecaption}[3]{%
18095   \cap@margin
18096   \ifonelinecaptions
18097     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18098     \let\scr@tmp@footnotetext=\@footnotetext
18099     \let\@footnotetext=\@gobble
18100     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18101     \let\@LTRfootnotetext=\@gobble
18102     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18103     \let\@RTLfootnotetext=\@gobble
18104     \sbox\@tempboxa{%
18105       {\capfont{\strut\ignorespaces
18106         #1{\caplabelfont{#2\captionformat}}}%
18107         #3\unskip\strut}}%
18108     }%
18109     \let\@footnotetext=\scr@tmp@footnotetext
18110     \let\scr@tmp@footnotetext=\undefined
18111     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18112     \let\scr@tmp@LTRfootnotetext=\undefined
18113     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18114     \let\scr@tmp@RTLfootnotetext=\undefined
18115     \setcounter{footnote}{\@tempcntb}%
18116     \setcounter{mpfootnote}{\@tempcnta}%
18117   \else
18118     \sbox\@tempboxa{\hspace*{2\cap@width}}%
18119   \fi
18120   \begingroup%
18121     \setlength{\@tempdima}{\cap@width}%
18122     \ifdim \wd\@tempboxa >\@tempdima
18123       \hb@xt@\hsize{%
18124         \setbox\@tempboxa\vbox{\hsize=\cap@width
18125           \ifdoofullc@p
18126             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18127               #1{\caplabelfont{#2\captionformat}}}}}%
18128               {\#3\unskip\strut\par}}}%
18129           \else%
18130             \ifdim\cap@indent<\z@
18131               {\capfont{\strut\ignorespaces
18132                 #1{\caplabelfont{#2\captionformat\par}}}%
18133                 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
18134             \else%
18135               \if@capbreak
18136                 {\capfont{\strut\ignorespaces
18137                   #1{\caplabelfont{#2\captionformat\par}}}%
18138                   \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
18139               \else
18140                 {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}%
18141                   {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18142                     {\caplabelfont{#2\captionformat}}}}{\#3\unskip\strut\par}}}%

```



```

18143         \fi
18144     \fi
18145     \fi
18146     }%
18147     \setlength{\@tempdima}{\ht\@tempboxa}%
18148     \addtolength{\@tempdima}{\dp\@tempboxa}%
18149     \addtolength{\@tempdima}{-\ht\strutbox}%
18150     \ht\@tempboxa\ht\strutbox
18151     \dp\@tempboxa\@tempdima
18152     \strut\cap@left
18153     \box\@tempboxa
18154     \cap@right\strut
18155     }%
18156     \else
18157         \global \@minipagefalse
18158         \sbox\@tempboxa{%
18159             {\capfont{\scr@smashdp{\strut\ignorespaces
18160                 #1{\caplabelfont{#2\captionformat}}}}}%
18161             #3}%
18162         }%
18163         {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi}
18164         \fi
18165     \endgroup
18166 }
18167 \renewcommand{\@makecaption}[2]{%
18168     \if@captionabove
18169         \vskip\belowcaptionskip
18170     \else
18171         \vskip\abovecaptionskip
18172     \fi
18173     \@makecaption\@firstofone{#1}{#2}%
18174     \if@captionabove
18175         \vskip\abovecaptionskip
18176     \else
18177         \vskip\belowcaptionskip
18178     \fi
18179 }
18180 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18181     \ifpackageloaded{caption2}{\@komalongtablefalse
18182         \scr@caption@before@longtable@warning{caption2}%
18183     }{}%
18184     \if@komalongtable
18185         \renewcommand{\LT@makecaption}[3]{%
18186             \noalign{%
18187                 \if@captionabove
18188                     \vskip\belowcaptionskip
18189                 \else
18190                     \vskip\abovecaptionskip
18191                 \fi
18192             }%
18193             \LT@mc\LT@cols c{%
18194                 \hbox to\z@{\hss\parbox[t]{\linewidth}{%
18195                     \@makecaption{#1}{#2}{#3}%
18196                 \endgraf

```



```

18197         \if@captionabove
18198             \vskip\abovecaptionskip
18199         \else
18200             \vskip\belowcaptionskip
18201         \fi
18202     }%
18203     \hss
18204 }%
18205 }%
18206 }%
18207 \renewcommand*{\scr@LT@array}{}%
18208 \let\scr@LT@array=\LT@array
18209 \renewcommand*{\LT@array}{%
18210     \let\scr@caption=\LT@caption
18211     \def\captionabove{\noalign{\global\@captionabovetrue}%
18212         \scr@caption}%
18213     \def\captionbelow{\noalign{\global\@captionabovetrue}%
18214         \scr@caption}%
18215     \if@tablecaptionabove
18216         \let\LT@caption=\captionabove
18217     \else
18218         \let\LT@caption=\captionbelow
18219     \fi
18220     \scr@LT@array
18221 }%
18222 \ClassInfo{\KOMAClassName}{%
18223     longtable captions redefined%
18224 }%
18225 \fi
18226 }
18227
18228 \CloneTOCEntryStyle{tocline}{part}
18229 \TOCEntryStyleStartInitCode{part}{%
18230     \expandafter\renewcommand%
18231     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18232     \expandafter\renewcommand%
18233     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18234     \expandafter\renewcommand%
18235     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18236         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18237     \expandafter\renewcommand\expandafter*%
18238     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18239 }
18240
18241 \CloneTOCEntryStyle{tocline}{chapter}
18242 \TOCEntryStyleStartInitCode{chapter}{%
18243     \expandafter\renewcommand%
18244     \csname scr@tso@#1@linefill\endcsname{%
18245         \if@chapterentrywithdots
18246             \TOCLineLeaderFill\relax
18247         \else
18248             \hfill
18249         \fi
18250     }%

```



```

18251 \expandafter\renewcommand%
18252 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}}%
18253 \expandafter\renewcommand%
18254 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18255   \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18256 \expandafter\renewcommand\expandafter*%
18257 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18258 }
18259
18260 \CloneTOCEntryStyle{tocline}{section}
18261 \TOCEntryStyleStartInitCode{section}{%
18262   \expandafter\renewcommand%
18263   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18264 }
18265
18266 \CloneTOCEntryStyle{section}{default}
18267
18268 \DeclareSectionCommand[%
18269   style=part,%
18270   level=\m@ne,%
18271   pagestyle=plain,%
18272   tocstyle=part,%
18273   toplevel=\m@ne,%
18274   tocindent=\z@,%
18275   tocnumwidth=2em%
18276 ]{part}
18277 \DeclareSectionCommand[%
18278   style=chapter,%
18279   level=\z@,%
18280   pagestyle=plain,%
18281   tocstyle=chapter,%
18282   tocindent=\z@,%
18283   tocnumwidth=1.5em%
18284 ]{chapter}
18285 \DeclareSectionCommand[%
18286   style=section,%
18287   level=1,%
18288   indent=\z@,%
18289   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
18290   afterskip=2.3ex \@plus .2ex,%
18291   tocstyle=section,%
18292   tocindent=1.5em,%
18293   tocnumwidth=2.3em%
18294 ]{section}
18295 \DeclareSectionCommand[%
18296   style=section,%
18297   level=2,%
18298   indent=\z@,%
18299   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18300   afterskip=1.5ex \@plus .2ex,%
18301   tocstyle=section,%
18302   tocindent=3.8em,%
18303   tocnumwidth=3.2em%
18304 ]{subsection}

```



```

18305 \DeclareSectionCommand[%
18306   style=section,%
18307   level=3,%
18308   indent=\z@,%
18309   beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
18310   afterskip=1.5ex \@plus .2ex,%
18311   tocstyle=section,%
18312   tocindent=7.0em,%
18313   tocnumwidth=4.1em%
18314 ]{subsubsection}
18315 \DeclareSectionCommand[%
18316   style=section,%
18317   level=4,%
18318   indent=\z@,%
18319   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
18320   afterskip=-1em,%
18321   tocstyle=section,%
18322   tocindent=10em,%
18323   tocnumwidth=5em%
18324 ]{paragraph}
18325 \DeclareSectionCommand[%
18326   style=section,%
18327   level=5,%
18328   indent=\scr@parindent,%
18329   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
18330   afterskip=-1em,%
18331   tocstyle=section,%
18332   tocindent=12em,%
18333   tocnumwidth=6em%
18334 ]{subparagraph}
18335
18336

```

110 File scrlettr-xetex-bidi.def

```

18337 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class f
18338 \renewcommand\deffootnote[4] [] {%
18339   \long\def\@makefnmark##1{%
18340     \edef\@tempa{#1}\ifx\@tempa\@empty
18341       \setpar{\@par
18342         \@tempdima = \hsize
18343         \addtolength{\@tempdima}{-#2}
18344         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
18345     \else
18346       \setpar{\@par
18347         \@tempdima = \hsize
18348         \addtolength{\@tempdima}{-#1}
18349         \@tempdimb = \hsize
18350         \addtolength{\@tempdimb}{-#2}
18351         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
18352       \fi
18353       \par
18354       \parindent #3\noindent
18355       \hbox to \z@{\hss\@makefnmark}##1}

```



```

18356 \def\@@makefnmark{\hbox{#4}}
18357 }
18358 \deffootnote[1em]{1.5em}{1em}
18359 {\textsuperscript{\thefootnotemark}}
18360 \def\left@footnoterule{\kern-1\p@
18361 \hrule width 0.4\columnwidth
18362 \kern .6\p@}
18363 \def\right@footnoterule{%
18364 \kern-1\p@
18365 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18366 \kern .6\p@}
18367 \def\@datefield{\@reffalse
18368 \ifx\varyourref\@empty \else \@reftrue \fi
18369 \ifx\varyourmail\@empty \else \@reftrue \fi
18370 \ifx\varmyref\@empty \else \@reftrue \fi
18371 \ifx\varcustomer\@empty \else \@reftrue \fi
18372 \ifx\varinvoice\@empty \else \@reftrue \fi
18373 \ifx\varrefitemi\@empty \else \@reftrue \fi
18374 \ifx\varrefitemii\@empty \else \@reftrue \fi
18375 \ifx\varrefitemiii\@empty \else \@reftrue \fi
18376 \vskip -\parskip
18377 \vskip \refvskip
18378 \if@ref
18379 \ifx\varyourref\@empty \else
18380 \settowidth{\sc@temp}{\varyourref}
18381 \setbox0\hbox{\scriptsize \sf \yourrefname}
18382 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18383 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
18384 \fi
18385 \ifx\varyourmail\@empty \else
18386 \settowidth{\sc@temp}{\varyourmail}
18387 \setbox0\hbox{\scriptsize \sf \yourmailname}
18388 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18389 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
18390 \fi
18391 \ifx\varmyref\@empty \else
18392 \settowidth{\sc@temp}{\varmyref}
18393 \setbox0\hbox{\scriptsize \sf \myrefname}
18394 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18395 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
18396 \fi
18397 \ifx\varcustomer\@empty \else
18398 \settowidth{\sc@temp}{\varcustomer}
18399 \setbox0\hbox{\scriptsize \sf \customername}
18400 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18401 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
18402 \fi
18403 \ifx\varinvoice\@empty \else
18404 \settowidth{\sc@temp}{\varinvoice}
18405 \setbox0\hbox{\scriptsize \sf \invoicename}
18406 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18407 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
18408 \fi
18409 \ifx\varrefitemi\@empty \else

```



```

18410 \settowidth{\sc@temp}{\varrefitemi}
18411 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
18412 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18413 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
18414 \fi
18415 \ifx\varrefitemii\@empty \else
18416 \settowidth{\sc@temp}{\varrefitemii}
18417 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
18418 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18419 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
18420 \fi
18421 \ifx\varrefitemiii\@empty \else
18422 \settowidth{\sc@temp}{\varrefitemiii}
18423 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
18424 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18425 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
18426 \fi
18427 \ifx\@date\@empty \else
18428 \settowidth{\sc@temp}{\@date}
18429 \setbox0\hbox{\scriptsize \sf \datename}
18430 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18431 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
18432 \fi
18433 \par
18434 \vspace{2.5\baselineskip}
18435 \else
18436 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
18437 \vspace{1.5\baselineskip}
18438 \fi}
18439 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
18440 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
18441 -\sigindent \hspace{\sigindent}}%
18442 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}\\[\presig@
18443 \fromsig\strut}\par
18444 \vspace{1.5\baselineskip}}

```

111 File scrreprt-xetex-bidi.def

```

18445 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class f
18446 \newcommand{\scr@saved@LTRfootnotetext}{}
18447 \newcommand{\scr@saved@RTLfootnotetext}{}
18448 \let\scr@saved@footnotetext\@footnotetext
18449 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18450 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18451 \renewcommand{\@footnotetext}[1]{%
18452 \scr@saved@footnotetext{#1}%
18453 \csname FN@mfp@prepare\endcsname
18454 }
18455 \renewcommand{\@LTRfootnotetext}[1]{%
18456 \scr@saved@LTRfootnotetext{#1}%
18457 \csname FN@mfp@prepare\endcsname
18458 }
18459 \renewcommand{\@RTLfootnotetext}[1]{%
18460 \scr@saved@RTLfootnotetext{#1}%

```




```

18461 \csname FN@mfb@prepare\endcsname
18462 }
18463 \renewcommand\deffootnote[4] [] {%
18464   \long\def\@makefnmark##1{%
18465     \setlength{\@tempdimc}{#3}%
18466     \def\@tempa{#1}\ifx\@tempa\@empty
18467       \setpar{\@par
18468         \@tempdima = \hsize
18469         \addtolength{\@tempdima}{-#2}%
18470         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
18471     \else
18472       \addtolength{\@tempdimc}{#2}%
18473       \addtolength{\@tempdimc}{-#1}%
18474       \setpar{\@par
18475         \@tempdima = \hsize
18476         \addtolength{\@tempdima}{-#1}%
18477         \@tempdimb = \hsize
18478         \addtolength{\@tempdimb}{-#2}%
18479         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
18480       }%
18481     \fi
18482     \par
18483     \parindent\@tempdimc\noindent
18484     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18485   }%
18486   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
18487 }
18488 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18489 \renewcommand*\left@footnoterule{%
18490   \normalsize\ftn@rule@test@values
18491   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18492   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18493   {\usekomafont{footnoterule}{%
18494     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18495   \kern 2.6\p@}
18496 \renewcommand*\right@footnoterule{%
18497   \normalsize\ftn@rule@test@values
18498   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18499   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18500   {\usekomafont{footnoterule}{%
18501     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
18502     \kern 2.6\p@}
18503 \renewcommand*\maketitle[1] [1] {%
18504   \if@titlepage
18505     \begin{titlepage}
18506       \setcounter{page}{%
18507         #1%
18508       }%
18509       \let\footnotesize\small
18510       \let\right@footnoterule\relax
18511       \let\left@footnoterule\relax
18512       \let\textwidth\footnoterule\relax
18513       \let\footnote\thanks
18514       \let\LTRfootnote\LTRthanks

```



```

18515 \let\RTLfootnote\RTLthanks
18516 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18517 \let\@oldmakefnmark\@makefnmark
18518 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
18519 \ifx\@extratitle\@empty \else
18520 \noindent\@extratitle\next@tpage\cleardoubleemptypage
18521 \thispagestyle{empty}%
18522 \fi
18523 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18524 \ifx\@titlehead\@empty \else
18525 \begin{minipage}[t]{\textwidth}%
18526 \@titlehead
18527 \end{minipage}\par
18528 \fi
18529 \null\vfill
18530 \begin{center}
18531 \ifx\@subject\@empty \else
18532 {\subject@font \@subject \par}%
18533 \vskip 3em
18534 \fi
18535 {\titlefont\huge \@title\par}%
18536 \vskip 1em
18537 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18538 \vskip 2em
18539 {\Large \lineskip 0.75em
18540 \begin{tabular}[t]{c}
18541 \@author
18542 \end{tabular}\par
18543 }%
18544 \vskip 1.5em
18545 {\Large \@date \par}%
18546 \vskip \z@ \@plus3fill
18547 {\Large \@publishers \par}%
18548 \vskip 3em
18549 \end{center}\par
18550 \@thanks
18551 \vfill\null
18552 \if@twoside\next@tpage
18553 \begin{minipage}[t]{\textwidth}
18554 \@uppertitleback
18555 \end{minipage}\par
18556 \vfill
18557 \begin{minipage}[b]{\textwidth}
18558 \@lowertitleback
18559 \end{minipage}
18560 \fi
18561 \ifx\@dedication\@empty \else
18562 \next@tpage\null\vfill
18563 {\centering \Large \@dedication \par}%
18564 \vskip \z@ \@plus3fill
18565 \if@twoside \next@tpage\cleardoubleemptypage \fi
18566 \fi
18567 \end{titlepage}
18568 \else

```



```

18569 \par
18570 \@tempcnta=%
18571 #1%
18572 \relax\ifnum\@tempcnta=1\else
18573 \ClassWarning{\KOMAClassName}{%
18574 Optional argument of \string\maketitle\space ignored
18575 at\MessageBreak
18576 notitlepage-mode%
18577 }%
18578 \fi
18579 \begingroup
18580 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18581 \let\@oldmakefnmark\@makefnmark
18582 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
18583 \if@twocolumn
18584 \ifnum \col@number=\@one
18585 \@maketitle
18586 \else
18587 \twocolumn[\@maketitle]%
18588 \fi
18589 \else
18590 \newpage
18591 \global\@topnum\z@
18592 \@maketitle
18593 \fi
18594 \thispagestyle{\titlepagestyle}\@thanks
18595 \endgroup
18596 \fi
18597 \setcounter{footnote}{0}%
18598 \let\thanks\relax
18599 \let\LTRthanks\relax
18600 \let\RTLthanks\relax
18601 \let\maketitle\relax
18602 \let\@maketitle\relax
18603 \global\let\@thanks\@empty
18604 \global\let\@author\@empty
18605 \global\let\@date\@empty
18606 \global\let\@title\@empty
18607 \global\let\@subtitle\@empty
18608 \global\let\@extratitle\@empty
18609 \global\let\@titlehead\@empty
18610 \global\let\@subject\@empty
18611 \global\let\@publishers\@empty
18612 \global\let\@uppertitleback\@empty
18613 \global\let\@lowertitleback\@empty
18614 \global\let\@dedication\@empty
18615 \global\let\author\relax
18616 \global\let\title\relax
18617 \global\let\extratitle\relax
18618 \global\let\titlehead\relax
18619 \global\let\subject\relax
18620 \global\let\publishers\relax
18621 \global\let\uppertitleback\relax
18622 \global\let\lowertitleback\relax

```



```

18623 \global\let\dedication\relax
18624 \global\let\date\relax
18625 \global\let\and\relax
18626 }%
18627 \renewcommand*{\@maketitle}{%
18628 \clearpage
18629 \let\footnote\thanks
18630 \let\LTRfootnote\LTRthanks
18631 \let\RTLfootnote\RTLthanks
18632 \ifx\extratitle\empty \else
18633 \noindent\extratitle \next@tpage \if@twoside \null\next@tpage \fi
18634 \fi
18635 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18636 \ifx\@titlehead\empty \else
18637 \begin{minipage}[t]{\textwidth}
18638 \titlehead
18639 \end{minipage}\par
18640 \fi
18641 \null
18642 \vskip 2em%
18643 \begin{center}%
18644 \ifx\@subject\empty \else
18645 {\subject@font \@subject \par}
18646 \vskip 1.5em
18647 \fi
18648 {\titlefont\huge \@title \par}%
18649 \vskip .5em
18650 {\ifx\@subtitle\empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18651 \vskip 1em
18652 {\Large
18653 \lineskip .5em%
18654 \begin{tabular}[t]{c}
18655 \@author
18656 \end{tabular}\par
18657 }%
18658 \vskip 1em%
18659 {\Large \@date \par}%
18660 \vskip \z@ \@plus 1em
18661 {\Large \@publishers \par}
18662 \ifx\@dedication\empty \else
18663 \vskip 2em
18664 {\Large \@dedication \par}
18665 \fi
18666 \end{center}%
18667 \par
18668 \vskip 2em
18669 }%
18670 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18671 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18672 \renewcommand*\thesection{%
18673 \thechapter\@SepMark%
18674 \@arabic\c@section
18675 }
18676 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}

```



```

18677 \renewcommand*{\thesubsubsection}{%
18678   \thesubsection\@SepMark\@arabic\c@subsubsection
18679 }
18680 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18681 \renewcommand*{\thesubparagraph}{%
18682   \theparagraph\@SepMark\@arabic\c@subparagraph
18683 }
18684 \renewcommand*\thefigure{%
18685   \thechapter\@SepMark%
18686   \@arabic\c@figure
18687 }
18688 \renewcommand*\thetable{%
18689   \thechapter\@SepMark%
18690   \@arabic\c@table
18691 }
18692 \renewcommand*\theequation{%
18693   \thechapter\@SepMark%
18694   \@arabic\c@equation
18695 }
18696 \renewenvironment{thebibliography}[1]{%
18697   \if@bib@break@
18698     \bib@beginhook
18699   \else
18700     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18701       \setchapterpreamble{\bibpreamble}%
18702     \fi\fi
18703     \bib@heading
18704     \bib@beginhook
18705     \bib@before@hook
18706   \fi
18707   \renewcommand{\BreakBibliography}[1]{%
18708     \@bib@break
18709     \end{thebibliography}%
18710     \begingroup ##1\endgroup
18711     \begin{thebibliography}{#1}
18712   }%
18713   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18714   \bidi@thebibliography@font@hook%
18715   \list{%
18716     \@biblabel{\@arabic\c@enumiv}%
18717   }{%
18718     \settowidth\labelwidth{\@biblabel{#1}}%
18719     \leftmargin\labelwidth
18720     \advance\leftmargin\labelsep
18721     \@openbib@code
18722     \if@bib@break@
18723       \edef\@tempa{%
18724         \noexpand\usecounter{enumiv}%
18725         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18726       }\@tempa
18727       \no@bib@break
18728     \else
18729       \usecounter{enumiv}%
18730     \fi

```



```

18731 \let\p@enumiv\@empty
18732 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18733 }%
18734 \sloppy\clubpenalty4000 \widowpenalty4000
18735 \sfcode`\.\=\@m
18736 }{%
18737 \if@bib@break@
18738 \def\@noitemerr{%
18739 \latex@warning{%
18740 \string\BreakBibliography\space at begin of `thebibliography'
18741 environment\MessageBreak
18742 or following \string\BreakBibliography}%
18743 }%
18744 \else
18745 \def\@noitemerr{%
18746 \latex@warning{%
18747 Empty `thebibliography' environment or
18748 \string\BreakBibliography\MessageBreak
18749 before end of `thebibliography' environment}%
18750 }%
18751 \fi
18752 \endlist
18753 \if@bib@break@
18754 \else
18755 \bib@after@hook
18756 \let\bib@before@hook\@empty
18757 \let\bib@after@hook\@empty
18758 \fi
18759 \bib@endhook
18760 }
18761 \renewcommand*\left@footnoterule{%
18762 \kern-3\p@
18763 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18764 \hrule\@width.4\columnwidth
18765 \kern 2.6\p@}
18766 \renewcommand*\right@footnoterule{%
18767 \kern-3\p@
18768 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18769 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18770 \kern2.6\p@}
18771 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
18772 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
18773 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18774 \renewcommand\marginline[1]{%
18775 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18776 }
18777 \renewcommand{\@makecaption}[3]{%
18778 \cap@margin
18779 \ifonelinecaptions
18780 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18781 \let\scr@tmp@footnotetext=\@footnotetext
18782 \let\@footnotetext=\@gobble
18783 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18784 \let\@LTRfootnotetext=\@gobble

```



```

18785 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18786 \let\@RTLfootnotetext=\@gobble
18787 \sbox\@tempboxa{%
18788   {\capfont{\strut\ignorespaces
18789     #1{\caplabelfont{#2\captionformat}}}%
18790     #3\unskip\strut}}%
18791 }%
18792 \let\@footnotetext=\scr@tmp@footnotetext
18793 \let\scr@tmp@footnotetext=\undefined
18794 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18795 \let\scr@tmp@LTRfootnotetext=\undefined
18796 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18797 \let\scr@tmp@RTLfootnotetext=\undefined
18798 \setcounter{footnote}{\@tempcntb}%
18799 \setcounter{mpfootnote}{\@tempcnta}%
18800 \else
18801   \sbox\@tempboxa{\hspace*{2\cap@width}}%
18802 \fi
18803 \begingroup%
18804   \setlength{\@tempdima}{\cap@width}%
18805   \ifdim \wd\@tempboxa >\@tempdima
18806     \hb@xt@\hsize{%
18807       \setbox\@tempboxa\vbox{\hsize=\cap@width
18808         \ifdoofullc@p
18809           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18810             #1{\caplabelfont{#2\captionformat}}}}}%
18811             #3\unskip\strut\par}}}%
18812         \else%
18813           \ifdim\cap@indent<\z@
18814             {\capfont{\strut\ignorespaces
18815               #1{\caplabelfont{#2\captionformat\par}}}%
18816               \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
18817           \else%
18818             \if@capbreak
18819               {\capfont{\strut\ignorespaces
18820                 #1{\caplabelfont{#2\captionformat\par}}}%
18821                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
18822             \else
18823               {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
18824                 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18825                   {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
18826             \fi
18827           \fi
18828         \fi
18829       }%
18830       \setlength{\@tempdima}{\ht\@tempboxa}%
18831       \addtolength{\@tempdima}{\dp\@tempboxa}%
18832       \addtolength{\@tempdima}{-\ht\strutbox}%
18833       \ht\@tempboxa\ht\strutbox
18834       \dp\@tempboxa\@tempdima
18835       \strut\cap@left
18836       \box\@tempboxa
18837       \cap@right\strut
18838     }%

```



```

18839 \else
18840 \global \@minipagefalse
18841 \sbox\@tempboxa{%
18842 {\capfont{\scr@smashdp{\strut\ignorespaces
18843 #1{\caplabelfont{#2\captionformat}}}}}%
18844 #3}}%
18845 }%
18846 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi
18847 \fi
18848 \endgroup
18849 }
18850 \renewcommand{\@makecaption}[2]{%
18851 \if@captionabove
18852 \vskip\belowcaptionskip
18853 \else
18854 \vskip\abovecaptionskip
18855 \fi
18856 \@@makecaption\@firstofone{#1}{#2}%
18857 \if@captionabove
18858 \vskip\abovecaptionskip
18859 \else
18860 \vskip\belowcaptionskip
18861 \fi
18862 }
18863 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18864 \ifpackageloaded{caption2}{\@komalongtablefalse
18865 \scr@caption@before@longtable@warning{caption2}%
18866 }{}%
18867 \if@komalongtable
18868 \renewcommand{\LT@makecaption}[3]{%
18869 \noalign{%
18870 \if@captionabove
18871 \vskip\belowcaptionskip
18872 \else
18873 \vskip\abovecaptionskip
18874 \fi
18875 }%
18876 \LT@mcol\LT@cols c{%
18877 \hbox to\z@{\hss\parbox[t]\linewidth{%
18878 \@@makecaption{#1}{#2}{#3}%
18879 \endgraf
18880 \if@captionabove
18881 \vskip\abovecaptionskip
18882 \else
18883 \vskip\belowcaptionskip
18884 \fi
18885 }%
18886 \hss
18887 }%
18888 }%
18889 }%
18890 \renewcommand*{\scr@LT@array}{}%
18891 \let\scr@LT@array=\LT@array
18892 \renewcommand*{\LT@array}{%

```




```

18893 \let\scr@caption=\LT@caption
18894 \def\captionabove{\noalign{\global\@captionabovetrue}%
18895 \scr@caption}%
18896 \def\captionbelow{\noalign{\global\@captionabovefalse}%
18897 \scr@caption}%
18898 \if@tablecaptionabove
18899 \let\LT@caption=\captionabove
18900 \else
18901 \let\LT@caption=\captionbelow
18902 \fi
18903 \scr@LT@array
18904 }%
18905 \ClassInfo{\KOMAClassName}{%
18906 longtable captions redefined%
18907 }%
18908 \fi
18909 }
18910
18911 \CloneTOCEntryStyle{tocline}{part}
18912 \TOCEntryStyleStartInitCode{part}{%
18913 \expandafter\renewcommand%
18914 \csname scr@tso@#1@linefill\endcsname{\hfill}%
18915 \expandafter\renewcommand%
18916 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18917 \expandafter\renewcommand%
18918 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18919 \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18920 \expandafter\renewcommand\expandafter*%
18921 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18922 }
18923
18924 \CloneTOCEntryStyle{tocline}{chapter}
18925 \TOCEntryStyleStartInitCode{chapter}{%
18926 \expandafter\renewcommand%
18927 \csname scr@tso@#1@linefill\endcsname{%
18928 \if@chapterentrywithdots
18929 \TOCLineLeaderFill\relax
18930 \else
18931 \hfill
18932 \fi
18933 }%
18934 \expandafter\renewcommand%
18935 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18936 \expandafter\renewcommand%
18937 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18938 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18939 \expandafter\renewcommand\expandafter*%
18940 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18941 }
18942
18943 \CloneTOCEntryStyle{tocline}{section}
18944 \TOCEntryStyleStartInitCode{section}{%
18945 \expandafter\renewcommand%
18946 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%

```



```

18947 }
18948
18949 \CloneTOCEntryStyle{section}{default}
18950
18951 \DeclareSectionCommand[%
18952   style=part,%
18953   level=\m@ne,%
18954   pagestyle=plain,%
18955   tocstyle=part,%
18956   toplevel=\m@ne,%
18957   tocindent=\z@,%
18958   tocnumwidth=2em%
18959 ]{part}
18960 \DeclareSectionCommand[%
18961   style=chapter,%
18962   level=\z@,%
18963   pagestyle=plain,%
18964   tocstyle=chapter,%
18965   tocindent=\z@,%
18966   tocnumwidth=1.5em%
18967 ]{chapter}
18968 \DeclareSectionCommand[%
18969   style=section,%
18970   level=1,%
18971   indent=\z@,%
18972   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
18973   afterskip=2.3ex \@plus .2ex,%
18974   tocstyle=section,%
18975   tocindent=1.5em,%
18976   tocnumwidth=2.3em%
18977 ]{section}
18978 \DeclareSectionCommand[%
18979   style=section,%
18980   level=2,%
18981   indent=\z@,%
18982   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
18983   afterskip=1.5ex \@plus .2ex,%
18984   tocstyle=section,%
18985   tocindent=3.8em,%
18986   tocnumwidth=3.2em%
18987 ]{subsection}
18988 \DeclareSectionCommand[%
18989   style=section,%
18990   level=3,%
18991   indent=\z@,%
18992   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
18993   afterskip=1.5ex \@plus .2ex,%
18994   tocstyle=section,%
18995   tocindent=7.0em,%
18996   tocnumwidth=4.1em%
18997 ]{subsubsection}
18998 \DeclareSectionCommand[%
18999   style=section,%
19000   level=4,%

```



```

19001 indent=\z@,%
19002 beforeskip=3.25ex \@plus1ex \@minus.2ex,%
19003 afterskip=-1em,%
19004 tocstyle=section,%
19005 tocindent=10em,%
19006 tocnumwidth=5em%
19007 ]{paragraph}
19008 \DeclareSectionCommand[%
19009 style=section,%
19010 level=5,%
19011 indent=\scr@parindent,%
19012 beforeskip=3.25ex \@plus1ex \@minus.2ex,%
19013 afterskip=-1em,%
19014 tocstyle=section,%
19015 tocindent=12em,%
19016 tocnumwidth=6em%
19017 ]{subparagraph}
19018
19019

```

112 File sidecap-xetex-bidi.def

```

19020 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package f
19021 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
19022 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}}\else%
19023 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}}\fi}
19024 \renewcommand*{\SC@justify@caption}{\if@RTL%
19025 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
19026 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

113 File soul-xetex-bidi.def

```

19027 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeT
19028 \long\def\SOUL@start#1{%
19029 \let\bid@RTL@everypar\@empty
19030 \let\<\SOUL@lowerthan
19031 \let\>\empty
19032 \def\soulomit{\noexpand\soulomit}%
19033 \gdef\SOUL@eventuallyexhyphen##1{%
19034 \let\SOUL@soeventuallyskip\relax
19035 \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@@\font
19036 \@minus\fontdimen4\font
19037 \SOUL@ignorespacesfalse
19038 \leavevmode
19039 \SOUL@preamble
19040 \SOUL@lasttoken={}%
19041 \SOUL@word={}%
19042 \SOUL@minus\z@
19043 \SOUL@comma\z@
19044 \SOUL@apo\z@
19045 \SOUL@grave\z@
19046 \SOUL@do{#1}%
19047 \SOUL@postamble
19048 }}

```



```

19049 \def\SOUL@ulunderline#1{%
19050     \setbox\z@\hbox{#1}%
19051     \dimen@=\wd\z@
19052     \dimen@i=\SOUL@uloverlap
19053     \advance\dimen@2\dimen@i
19054     \if@RTL
19055     \unhcopy\z@
19056     \llap{%
19057         \null
19058         \kern-\dimen@i
19059         \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
19060     }%
19061     \else
19062     \rlap{%
19063         \null
19064         \kern-\dimen@i
19065         \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
19066     }%
19067     \unhcopy\z@
19068     \fi
19069 }%
19070 \def\bidi@SOUL@ulleaders{%
19071     \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\n
19072 }%
19073 \def\SOUL@uleveryspace#1{%
19074     \if@RTL
19075     #1%
19076     \bidi@SOUL@ulleaders
19077     \hskip\spaceskip
19078     \else
19079     \SOUL@ulcolor{%
19080     #1%
19081     \SOUL@ulleaders
19082     \hskip\spaceskip
19083     }%
19084     \fi
19085     \null
19086 }%

```

114 File stabular-xetex-bidi.def

```

19087 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
19088 \def\@stabular{%
19089     \leavevmode \bgroup \if@RTLtab\beginR \fi
19090     \let\@acol\@tabacol
19091     \let\@classz\@tabclassz
19092     \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
19093 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
19094     \egroup \if@RTLtab\endR\fi\egroup}
19095 \expandafter \let \csname endstabular*\endcsname = \endstabular
19096 \def\@sarray[#1]#2{%
19097     \bgroup
19098     \setbox\@arstrutbox\hbox{%
19099         \vrule \@height\arraystretch\ht\strutbox

```



```

19100         \@depth\arraystretch \dp\strutbox
19101         \@width\z}%
19102 \mkpream{#2}%
19103 \edef\@preamble{%
19104     \ialign \noexpand\@halignto
19105         \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
19106 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
19107 \let\tabularnewline\\%
19108 \let\@sharp##%
19109 \set@typeset@protect
19110 \lineskip\z@skip\baselineskip\z@skip
19111 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
19112 \preamble}

```

115 File subfigure-xetex-bidi.def

```

19113 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure packa
19114 \AtBeginDocument{%
19115 \let\p@subfigure=\thefigure
19116 \let\p@subtable=\thetable%
19117 }

```

116 File tabs-xetex-bidi.def

```

19118 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for X
19119 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
19120
19121 \expandafter\let\csname endtabular*\endcsname=\endtabular
19122
19123 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
19124 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
19125 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
19126
19127 \def\@array[#1]#2{% remember global variables to allow recursion:
19128 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
19129     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
19130 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
19131 \ifx@classz\@arrayclassz \let\@tarlinesep\arraylinesep
19132 \else \let\@tarlinesep\tablinesep \fi
19133 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
19134 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
19135 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
19136 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
19137 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
19138 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
19139 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
19140     \vrule \@height\@tempdima \@depth\@tempdimb \@width\z}%
19141 \let\protect\noexpand
19142 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
19143     \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
19144 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
19145 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
19146 \bgroup \let\par\empty
19147 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox

```



```

19148 \advance\extrarulesep.5\arrayrulewidth
19149 \let\@sharp#\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
19150 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
19151 \@preamble}

```

117 File tabularx-xetex-bidi.def

```

19152 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
19153 \def\TX@endtabularx{%
19154   \expandafter\expandafter\expandafter
19155     \TX@find@endtabularxa\csname end\TX@\endcsname
19156     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
19157   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}}%
19158   \let\verb\TX@verb
19159   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
19160   \edef\TX@ckpt{\cl@ckpt}%
19161   \let\@elt\relax
19162   \TX@old@table\maxdimen
19163   \TX@col@width\TX@target
19164   \global\TX@cols\@ne
19165   \TX@typeout@
19166     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
19167   \TX@trial{\def\NC@rewriteX{%
19168     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
19169   \loop
19170     \TX@arith
19171     \ifTX@
19172       \TX@trial{%
19173       \repeat
19174       {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
19175        \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
19176        \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
19177        \csname tabular*\expandafter\endcsname\expandafter\TX@target
19178          \the\toks@
19179        \csname endtabular*\endcsname}%
19180       \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
19181       \ifnum0=`\fi}%
19182       \expandafter\expandafter\expandafter
19183       \TX@find@endtabularxbb
19184       \expandafter\end\expandafter{\TX@}%
19185       \endtabularx\TX@\endtabularx\TX@find@endtabularxb
19186 }
19187
19188 \def\TX@trial#1{%
19189   \setbox\@tempboxa\hbox{%
19190     #1\relax
19191     \let\@footnotetext\TX@trial@ftn
19192     \let\@LTRfootnotetext\TX@trial@ftn
19193     \let\@RTLfootnotetext\TX@trial@ftn
19194     \let\TX@vwarn\@empty
19195     \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
19196     \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
19197     \def\write{\begingroup
19198       \def\let{\afterassignment\endgroup\toks@}%

```



```

19199      \afterassignment\let\count@}%
19200      \hbadness\@M
19201      \hfuzz\maxdimen
19202      \let\hbadness\@tempcnta
19203      \let\hfuzz\@tempdima
19204      \expandafter\tabular\the\toks@
19205      \endtabular}%
19206      \TX@ckpt
19207      \TX@typeout@\spaces
19208      \expandafter\TX@align
19209      \the\wd\@tempboxa\space\space\space\space\space\@@
19210      \expandafter\TX@align
19211      \the\TX@col@width\space\space\space\space\space\@@
19212      \@spaces\the\TX@cols}}
19213
19214 \long\def\TX@LTRftntext#1{%
19215   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
19216             [\the\csname c@\@mpfn\endcsname]}%
19217   \global\TX@ftn\expandafter{\@tempa{#1}}}%
19218 \long\def\TX@xLTRftntext[#1]#2{%
19219   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
19220
19221 \long\def\TX@RTLftntext#1{%
19222   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
19223             [\the\csname c@\@mpfn\endcsname]}%
19224   \global\TX@ftn\expandafter{\@tempa{#1}}}%
19225 \long\def\TX@xRTLftntext[#1]#2{%
19226   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

118 File tabulary-xetex-bidi.def

```

19227 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
19228 \def\@testpach{\@chclass
19229   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
19230   \ifnum \@lastchclass=7 5 \else
19231   \ifnum \@lastchclass=8 \tw@ \else
19232   \ifnum \@lastchclass=9 \thr@@
19233   \else \z@
19234   \ifnum \@lastchclass = 10 \else
19235   \edef\@nextchar{\expandafter\string\@nextchar}%
19236   \@chnum
19237   \if \@nextchar c\z@ \else
19238   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
19239   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
19240   \if \@nextchar C7 \else
19241   \if \@nextchar L8 \else
19242   \if \@nextchar R9 \else
19243   \if \@nextchar J10 \else
19244   \z@ \@chclass
19245   \if \@nextchar |\@ne \else
19246   \if \@nextchar !6 \else
19247   \if \@nextchar @7 \else
19248   \if \@nextchar <8 \else
19249   \if \@nextchar >9 \else

```



```

19250 10
19251 \@chnum
19252 \if \@nextchar m\thr@@\else
19253 \if \@nextchar p4 \else
19254 \if \@nextchar b5 \else
19255 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
19256 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

119 File tc-xetex-bidi.def

```

19257 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for Xe
19258 \def\@cliptoboxdim#1{%
19259 \setbox#1=\hbox{%
19260 \Gin@defaultbp\WIDTH{\wd#1}%
19261 \Gin@defaultbp\DEPTH{\dp#1}%
19262 \@tempdima\ht#1%
19263 \advance\@tempdima\dp#1%
19264 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
19265 \beginL\special{pdf:bcontent }%
19266 \special{%
19267 pdf:literal direct
19268 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
19269 }%
19270 \special{pdf:literal direct W }%
19271 \special{pdf:literal direct n }%
19272 \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
19273 \special{pdf:econtent }\endL%
19274 }%
19275 }

```

120 File tcolorbox-xetex-bidi.def

```

19276 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
19277 \let\endtcblrbox=\endminipage
19278 \let\endtcbsavebox=\endtcblrbox
19279
19280 \bidi@patchcmd{\tcb@vbox}{%
19281 \let\@footnotetext\@mpfootnotetext%
19282 }{%
19283 \let\@footnotetext\@mpfootnotetext%
19284 \let\@LTRfootnotetext\@mpLTRfootnotetext%
19285 \let\@RTLfootnotetext\@mpRTLfootnotetext%
19286 }{}{}
19287
19288 \bidi@patchcmd{\endtcbsavebox}{%
19289 \footnoterule%
19290 }{%
19291 \bidi@mpfootnoterule%
19292 }{}{}
19293 \bidi@apptocmd\tcb@icolorbox{%
19294 \@bidi@list@minipage@parboxfalse
19295 }{}{}

```



121 File titlesec-xetex-bidi.def

```
19296 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
19297 \renewcommand\filright{%
19298   \gdef\ttl@filleft##1{\hskip##1}%
19299   \gdef\ttl@filright##1{\hfill}%
19300   \let\\\@centercr
19301   \advance\rightskip\z@ \@plus 1fil
19302   \parfillskip\z@}
19303 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
19304   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
19305   \setlength\leftskip{#6}%
19306   \setlength\rightskip{#7}%
19307   \interlinepenalty\@M
19308   \ttl@change@centercr
19309   \ttl@beginlongest
19310   #1{\ifhmode\ttl@hmode@error\fi
19311     \ttl@glcmds
19312     \parindent\z@
19313     \leavevmode
19314     \begin@group
19315     \ifttl@label
19316       \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
19317       \ifRTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
19318       \llap{\box\z@}%
19319     \fi
19320     #4{#8}%
19321     \kern\z@\strut\@par
19322   \endgroup
19323   \nobreak\ttl@midlongest#5\@par}%
19324 \ttl@endlongest}
```

122 File titletoc-xetex-bidi.def

```
19325 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
19326 \renewcommand\filright{%
19327   \gdef\ttl@filleft##1{\hskip##1}%
19328   \gdef\ttl@filright##1{\hfill}%
19329   \let\\\@centercr
19330   \advance\rightskip\z@ \@plus 1fil
19331   \parfillskip\z@}
19332 \renewcommand\contentspush[1]{%
19333   \sbox\z@{#1}%
19334   \xdef\ttl@b{\advance\ifRTL\rightskip\else\leftskip\fi\the\wd\z@}%
19335   \aftergroup\ttl@b
19336   \leavevmode\llap{\box\z@}}
19337 \def\ttl@outnoblock#1#2#3{%
19338   \begin@group
19339   \ifnum\ttl@b>\ttl@a
19340     \nobreak
19341   \else\ifnum\ttl@b<\ttl@a
19342     \addpenalty{\@secpenalty}%
19343   \else
19344     \addpenalty{\z@}%
19345   \fi
19346   \endgroup}
```



```

19345 \fi\fi
19346 \ttl@contentsstretch
19347 \nobreak
19348 \ifcase#1\relax\else\interlinepenalty\@M\fi
19349 \parindent\z@
19350 \ifx\@nil#2%
19351   \PackageError{titletoc}{Unimplemented}%
19352   {The optional argument is currently mandatory}%
19353 \else
19354   \if@RTL\setlength\rightskip{#2}\else
19355   \setlength\leftskip{#2}\fi%
19356 \fi
19357 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
19358 \let\contentsmargin\ttl@margin
19359 \def\ttl@makeline##1{##1}%
19360 #3%
19361 \addtolength{\parfillskip}{-\ttl@corr}%
19362 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
19363 \let\ttl@leaders\leaders}
19364 \renewcommand\ttl@margin[2][\z@]{%
19365   \def\ttl@corr{#1}%
19366   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
19367   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
19368   \def\@pnumwidth{#2}}
19369 \let\ttl@savel@part\l@part
19370 \def\l@part{\ttl@lselect{part}}
19371
19372 \let\ttl@savel@chapter\l@chapter
19373 \def\l@chapter{\ttl@lselect{chapter}}

```

123 File tocbibbind-xetex-bidi.def

```

19374 \ProvidesFile{tocbibbind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibbind packa
19375 \if@dotocbib
19376 \ifpackageloaded{natbib}{\% natbib not loaded
19377   \renewcommand{\bibsection}{\tcb@bchapsec}
19378   \renewenvironment{thebibliography}[1]{%
19379     \bibsection
19380     \begin{thebibitemlist}{#1}\end{thebibitemlist}}{
19381 \renewenvironment{thebibitemlist}[1]{
19382   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19383   \bidi@thebibliography@font@hook%
19384   \list{\@biblabel{\@arabic{c@enumiv}}}%
19385     {\settowidth\labelwidth{\@biblabel{#1}}%
19386     \leftmargin\labelwidth
19387     \advance\leftmargin\labelsep
19388     \@openbib@code
19389     \usecounter{enumiv}%
19390     \let\p@enumiv\@empty
19391     \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
19392 \sloppy
19393 \clubpenalty4000
19394 \@clubpenalty \clubpenalty
19395 \widowpenalty4000%

```



```

19396 \sfcode`.\@m}
19397 {\def\@noitemerr
19398 {\@latex@warning{Empty `thebibliography' environment}}}%
19399 \endlist}
19400
19401 \@ifpackagewith{chapterbib}{sectionbib}%
19402 {\renewcommand{\sectionbib}[2]{}}%
19403 {}
19404
19405 \fi
19406 \if@inltxdoc\else
19407 \renewenvironment{theindex}%
19408 {\if@twocolumn
19409 \@restonecolfalse
19410 \else
19411 \@restonecoltrue
19412 \fi
19413 \if@bibchapter
19414 \if@donumindex
19415 \refstepcounter{chapter}
19416 \twocolumn[\vspace*{2\topskip}%
19417 \@makechapterhead{\indexname}]]%
19418 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
19419 \chaptermark{\indexname}
19420 \else
19421 \if@dotocind
19422 \twocolumn[\vspace*{2\topskip}%
19423 \@makeschapterhead{\indexname}]]%
19424 \prw@mkboth{\indexname}
19425 \addcontentsline{toc}{chapter}{\indexname}
19426 \else
19427 \twocolumn[\vspace*{2\topskip}%
19428 \@makeschapterhead{\indexname}]]%
19429 \prw@mkboth{\indexname}
19430 \fi
19431 \fi
19432 \else
19433 \if@donumindex
19434 \twocolumn[\vspace*{-1.5\topskip}%
19435 \@nameuse{\@tocextra}{\indexname}]]%
19436 \csname \@tocextra mark\endcsname{\indexname}
19437 \else
19438 \if@dotocind
19439 \twocolumn[\vspace*{-1.5\topskip}%
19440 \toc@headstar{\@tocextra}{\indexname}]]%
19441 \prw@mkboth{\indexname}
19442 \addcontentsline{toc}{\@tocextra}{\indexname}
19443 \else
19444 \twocolumn[\vspace*{-1.5\topskip}%
19445 \toc@headstar{\@tocextra}{\indexname}]]%
19446 \prw@mkboth{\indexname}
19447 \fi
19448 \fi
19449 \fi

```



```

19450 \thispagestyle{plain}\parindent\z@
19451 \parskip\z@ \@plus .3\p@\relax
19452 \let\item\@idxitem}
19453 {\if@restonecol\onecolumn\else\clearpage\fi}
19454 \fi

```

124 File tocloft-xetex-bidi.def

```

19455 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package f
19456 \let\cftdot\@SepMark
19457 \if@cfthaspart
19458 \renewcommand*{\l@part}[2]{
19459   \@cftdopartfalse
19460   \ifnum \c@tocdepth >-2\relax
19461     \if@cfthaschapter
19462       \@cftdoparttrue
19463     \fi
19464     \ifnum \c@tocdepth >\m@ne
19465       \if@cfthaschapter\else
19466         \@cftdoparttrue
19467       \fi
19468     \fi
19469   \fi
19470   \if@cftdopart
19471     \if@cfthaschapter
19472       \addpenalty{-\@highpenalty}
19473     \else
19474       \addpenalty\@secpenalty
19475     \fi
19476     \addvspace{\cftbeforepartskip}
19477     \begingroup
19478     {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
19479     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19480     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19481     \parindent \cftpartindent\relax\@afterindenttrue
19482     \interlinepenalty\@M
19483     \leavevmode
19484     \@tempdima \cftpartnumwidth\relax
19485     \let\@cftbsnum \cftpartpresnum
19486     \let\@cftasnum \cftpartaftersnum
19487     \let\@cftasnumb \cftpartaftersnumb
19488     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
19489     {\cftpartfont \cftpartpresnum #1}
19490     \cftpartfillnum{#2}}
19491   \nobreak
19492   \if@cfthaschapter
19493     \global\@nobreaktrue
19494     \everypar{\global\@nobreakfalse\everypar{}}
19495   \else
19496     \if@compatibility
19497       \global\@nobreaktrue
19498       \everypar{\global\@nobreakfalse\everypar{}}
19499     \fi
19500   \fi

```



```

19501 \endgroup
19502 \fi}
19503 \fi
19504 \if@cfthaschapter
19505 \renewcommand*{\l@chapter}[2]{
19506 \ifnum \c@tocdepth >\m@ne
19507 \addpenalty{-\@highpenalty}
19508 \vskip \cftbeforechapskip
19509 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19510 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19511 \parfillskip -\if@RTL\leftskip\else\righskip\fi
19512 \parindent \cftchapindent\relax\@afterindenttrue
19513 \interlinepenalty\@M
19514 \leavevmode
19515 \@tempdima \cftchapnumwidth\relax
19516 \let\@cftbsnum \cftchappresnum
19517 \let\@cftasnum \cftchapaftersnum
19518 \let\@cftasnumb \cftchapaftersnumb
19519 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19520 {\cftchapfont #1}\nobreak
19521 \cftchapfillnum{#2}}
19522 \fi}
19523 \fi
19524 \renewcommand*{\l@section}[2]{%
19525 \ifnum \c@tocdepth >\z@
19526 \if@cfthaschapter
19527 \vskip \cftbeforesecskip
19528 \else
19529 \addpenalty\@secpenalty
19530 \addvspace{\cftbeforesecskip}
19531 \fi
19532 {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
19533 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19534 \parfillskip -\if@RTL\leftskip\else\righskip\fi
19535 \parindent \cftsecindent\relax\@afterindenttrue
19536 \interlinepenalty\@M
19537 \leavevmode
19538 \@tempdima \cftsecnumwidth\relax
19539 \let\@cftbsnum \cftsecpresnum
19540 \let\@cftasnum \cftsecaftersnum
19541 \let\@cftasnumb \cftsecaftersnumb
19542 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19543 {\cftsecfont #1}\nobreak
19544 \cftsecfillnum{#2}}
19545 \fi}
19546 \renewcommand*{\l@subsection}[2]{%
19547 \ifnum \c@tocdepth >\@one
19548 \vskip \cftbeforesubsecskip
19549 {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
19550 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19551 \parfillskip -\if@RTL\leftskip\else\righskip\fi
19552 \parindent \cftsubsecindent\relax\@afterindenttrue
19553 \interlinepenalty\@M
19554 \leavevmode

```



```

19555 \@tempdima \cftsubsecnumwidth\relax
19556 \let\@cftbsnum \cftsubsecpresnum
19557 \let\@cftasnum \cftsubsecaftersnum
19558 \let\@cftasnumb \cftsubsecaftersnumb
19559 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19560 {\cftsubsecfont #1}\nobreak
19561 \cftsubsecfillnum{#2}}
19562 \fi}
19563 \renewcommand*{\l@subsubsection}[2]{%
19564 \ifnum \c@tocdepth >\tw@
19565 \vskip \cftbeforesubsubsecskip
19566 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
19567 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19568 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19569 \parindent \cftsubsubsecindent\relax\@afterindenttrue
19570 \interlinepenalty\@M
19571 \leavevmode
19572 \@tempdima \cftsubsubsecnumwidth\relax
19573 \let\@cftbsnum \cftsubsubsecpresnum
19574 \let\@cftasnum \cftsubsubsecaftersnum
19575 \let\@cftasnumb \cftsubsubsecaftersnumb
19576 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19577 {\cftsubsubsecfont #1}\nobreak
19578 \cftsubsubsecfillnum{#2}}
19579 \fi}
19580 \renewcommand*{\l@paragraph}[2]{%
19581 \ifnum \c@tocdepth >3\relax
19582 \vskip \cftbeforeparaskip
19583 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
19584 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19585 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19586 \parindent \cftparaindent\relax\@afterindenttrue
19587 \interlinepenalty\@M
19588 \leavevmode
19589 \@tempdima \cftparanumwidth\relax
19590 \let\@cftbsnum \cftparapresnum
19591 \let\@cftasnum \cftparaaftersnum
19592 \let\@cftasnumb \cftparaaftersnumb
19593 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19594 {\cftparafont #1}\nobreak
19595 \cftparafillnum{#2}}
19596 \fi}
19597 \renewcommand*{\l@subparagraph}[2]{%
19598 \ifnum \c@tocdepth >4\relax
19599 \vskip \cftbeforesubparaskip
19600 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
19601 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19602 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19603 \parindent \cftsubparaindent\relax\@afterindenttrue
19604 \interlinepenalty\@M
19605 \leavevmode
19606 \@tempdima \cftsubparanumwidth\relax
19607 \let\@cftbsnum \cftsubparapresnum
19608 \let\@cftasnum \cftsubparaaftersnum

```



```

19609 \let\@cftasnumb \cftsubparaaftersnumb
19610 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19611 {\cftsubparafont #1}\nobreak
19612 \cftsubparafillnum{#2}}
19613 \fi}
19614 \renewcommand*{\l@figure}[2]{%
19615 \ifnum \c@lofdepth >\z@
19616 \vskip \cftbeforefigskip
19617 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
19618 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19619 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19620 \parindent \cftfigindent\relax\@afterindenttrue
19621 \interlinepenalty\@M
19622 \leavevmode
19623 \@tempdima \cftfignumwidth\relax
19624 \let\@cftbsnum \cftfigpresnum
19625 \let\@cftasnum \cftfigaftersnum
19626 \let\@cftasnumb \cftfigaftersnumb
19627 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19628 {\cftfigfont #1}\nobreak
19629 \cftfigfillnum{#2}}
19630 \fi
19631 }
19632 \renewcommand*{\l@table}[2]{%
19633 \ifnum\c@lotdepth >\z@
19634 \vskip \cftbeforetabskip
19635 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
19636 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19637 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19638 \parindent \cfttabindent\relax\@afterindenttrue
19639 \interlinepenalty\@M
19640 \leavevmode
19641 \@tempdima \cfttabnumwidth\relax
19642 \let\@cftbsnum \cfttabpresnum
19643 \let\@cftasnum \cfttabaftersnum
19644 \let\@cftasnumb \cfttabaftersnumb
19645 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19646 {\cfttabfont #1}\nobreak
19647 \cfttabfillnum{#2}}
19648 \fi
19649 }
19650 \renewcommand{\@cftl@subfig}{
19651 \renewcommand*{\l@subfigure}[2]{%
19652 \ifnum \c@lofdepth > \toclevel@subfigure
19653 \vskip \cftbeforesubfigskip
19654 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
19655 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19656 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19657 \parindent \cftsubfigindent\relax\@afterindenttrue
19658 \interlinepenalty\@M
19659 \leavevmode
19660 \@tempdima \cftsubfignumwidth\relax
19661 \let\@cftbsnum \cftsubfigpresnum
19662 \let\@cftasnum \cftsubfigaftersnum

```



```

19663 \let\@cftasnumb \cftsubfigaftersnumb
19664 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19665 {\cftsubfigfont ##1}\nobreak
19666 \cftsubfigfillnum{##2}}
19667 \fi
19668 }
19669 }
19670 \renewcommand{\@cftl@subtab}{
19671 \renewcommand*\@l@subtable}[2]{%
19672 \ifnum \c@lotdepth > \toclevel@subtable
19673 \vskip \cftbeforesubtabskip
19674 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
19675 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19676 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19677 \parindent \cftsubtabindent\relax\@afterindenttrue
19678 \interlinepenalty\@M
19679 \leavevmode
19680 \@tempdima \cftsubtabnumwidth\relax
19681 \let\@cftbsnum \cftsubtabpresnum
19682 \let\@cftasnum \cftsubtabaftersnum
19683 \let\@cftasnumb \cftsubtabaftersnumb
19684 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19685 {\cftsubtabfont ##1}\nobreak
19686 \cftsubtabfillnum{##2}}
19687 \fi
19688 }
19689 }
19690 \renewcommand{\newlistentry}[4][\@empty]{%
19691 \@ifundefined{c@#2}{% check & set the counter
19692 \ifx \@empty#1\relax
19693 \newcounter{#2}
19694 \else
19695 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
19696 {#1 has no counter for use as a `within'}
19697 \newcounter{#2}}%
19698 {\newcounter{#2}[#1]%
19699 \expandafter\edef\csname the#2\endcsname{%
19700 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
19701 \fi
19702 \setcounter{#2}{0}
19703 }
19704 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19705
19706 \@namedef{l@#2}##1##2{%
19707 \ifnum \@nameuse{c@#3depth} > #4\relax
19708 \vskip \@nameuse{cftbefore#2skip}
19709 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
19710 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19711 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19712 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19713 \interlinepenalty\@M
19714 \leavevmode
19715 \@tempdima \@nameuse{cft#2numwidth}\relax
19716 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname

```




```

19717 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19718 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19719 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rig
19720 {\@nameuse{cft#2font}##1}\nobreak
19721 \@nameuse{cft#2fillnum}{##2}}
19722 \fi
19723 } % end of \l@#2
19724
19725 \expandafter\newlength\csname cftbefore#2skip\endcsname
19726 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
19727 \expandafter\newlength\csname cft#2indent\endcsname
19728 \expandafter\newlength\csname cft#2numwidth\endcsname
19729 \ifcase #4\relax % 0
19730 \setlength{\@nameuse{cft#2indent}}{0em}
19731 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19732 \or % 1
19733 \setlength{\@nameuse{cft#2indent}}{1.5em}
19734 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19735 \or % 2
19736 \setlength{\@nameuse{cft#2indent}}{3.8em}
19737 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19738 \or % 3
19739 \setlength{\@nameuse{cft#2indent}}{7.0em}
19740 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19741 \else % anything else
19742 \setlength{\@nameuse{cft#2indent}}{10.0em}
19743 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19744 \fi
19745 \@namedef{cft#2font}{\normalfont}
19746 \@namedef{cft#2presnum}{\}
19747 \@namedef{cft#2aftersnum}{\}
19748 \@namedef{cft#2aftersnumb}{\}
19749 \@namedef{cft#2dotsep}{\cftdotsep}
19750 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19751 \@namedef{cft#2pagefont}{\normalfont}
19752 \@namedef{cft#2afterpnum}{\}
19753 \@namedef{toclevel@#2}{#4}
19754 \@namedef{cft#2fillnum}##1{%
19755 {\@nameuse{cft#2leader}}\nobreak
19756 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
19757 } % end \newlistentry
19758 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
19759 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19760 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19761 \if@RTL\leftskip\else\rightskip\fi \tocrmarg\relax
19762 \textit{#1}\protect\par}}}

```

125 File tocbasic-xetex-bidi.def

```

19763 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
19764 \bidi@undef\scr@dte@def@l@undottedtocline
19765 \bidi@undef\scr@dte@undottedtocline@init
19766 \DeclareTOCEntryStyle{undottedtocline}[{%
19767 \DefineTOCEntryLengthOption{indent}%

```



```

19768 {scr@tso@}{@indent}{entry indent}%
19769 \DefineTOCEntryLengthOption{numwidth}%
19770 {scr@tso@}{@numwidth}{entry number width}%
19771 \@ifundefined{#1tocdepth}{%
19772 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19773 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19774 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19775 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19776 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19777 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19778 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19779 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19780 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19781 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19782 \csname #1numdepth\endcsname
19783 }%
19784 }%
19785 }%
19786 }%
19787 }%
19788 }%
19789 }%
19790 }%
19791 }%
19792 }{}%
19793 \@ifundefined{scr@tso@#1@indent}{%
19794 \ifundefined{scr@#1@tocindent}{%
19795 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19796 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19797 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19798 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19799 \scr@ifundefinedorrelax{l@chapter}{%
19800 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19801 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19802 \ifstr{#1}{subsubsection}{%
19803 \@namedef{scr@tso@#1@indent}{3.8em}%
19804 }{%
19805 \ifstr{#1}{paragraph}{%
19806 \@namedef{scr@tso@#1@indent}{7em}%
19807 }{%
19808 \ifstr{#1}{subparagraph}{%
19809 \@namedef{scr@tso@#1@indent}{10em}%
19810 }{%
19811 }%
19812 }%
19813 }%
19814 }%
19815 }%
19816 }{}%
19817 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19818 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19819 \ifstr{#1}{subsubsection}{%
19820 \@namedef{scr@tso@#1@indent}{7.0em}%
19821 }{}%

```



```

19822         \ifstr{#1}{paragraph}{%
19823             \@namedef{scr@tso@#1@indent}{10em}%
19824         }{%
19825             \ifstr{#1}{subparagraph}{%
19826                 \@namedef{scr@tso@#1@indent}{12em}%
19827             }{%
19828                 }%
19829             }%
19830         }%
19831     }%
19832 }%
19833 }%
19834 }%
19835 }%
19836 }%
19837 }%
19838 }{%
19839     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19840 }%
19841 }{%
19842 \@ifundefined{scr@tso@#1@numwidth}{%
19843     \@ifundefined{scr@#1@tocnumwidth}{%
19844         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19845             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19846                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19847                     \scr@ifundefinedorrelax{chapter}{%
19848                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19849                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19850                                 \ifstr{#1}{subsubsection}{%
19851                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
19852                                 }{%
19853                                     \ifstr{#1}{paragraph}{%
19854                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
19855                                     }{%
19856                                         \ifstr{#1}{subparagraph}{%
19857                                             \@namedef{scr@tso@#1@numwidth}{5em}%
19858                                         }{%
19859                                             }%
19860                                         }%
19861                                     }%
19862                                 }%
19863                             }%
19864                         }{%
19865                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19866                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19867                                     \ifstr{#1}{subsubsection}{%
19868                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
19869                                     }{%
19870                                         \ifstr{#1}{paragraph}{%
19871                                             \@namedef{scr@tso@#1@numwidth}{5em}%
19872                                         }{%
19873                                             \ifstr{#1}{subparagraph}{%
19874                                                 \@namedef{scr@tso@#1@numwidth}{6em}%
19875                                             }{%

```



```

19876         }%
19877     }%
19878 }%
19879 }%
19880 }%
19881 }%
19882 }%
19883 }%
19884 }%
19885 }{%
19886 \namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19887 }%
19888 }{%}%
19889 }]{%
19890 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19891 \ifnum \@nameuse{#1tocdepth}<\@ne
19892 \scr@ifundefinedorrelax{chapter}{%
19893 \addpenalty\@secpenalty
19894 \addvspace{1.0em \@plus\p@}%
19895 }{%
19896 \addpenalty{-\@highpenalty}%
19897 \vskip 1.0em \@plus\p@
19898 }%
19899 \else
19900 \addpenalty\@secpenalty
19901 \addvspace{1.0em \@plus\p@}%
19902 \fi
19903 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19904 \begingroup
19905 \parindent \z@ \bidi@rightskip \@pnumwidth
19906 \parfillskip -\@pnumwidth
19907 \leavevmode
19908 \bfseries
19909 \advance\bidi@leftskip\@tempdima
19910 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19911 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19912 ##1%
19913 \nobreak
19914 \hfil \nobreak\hb@ext@\@pnumwidth{\hss ##2}%
19915 \par
19916 \penalty\@highpenalty
19917 \endgroup
19918 \fi
19919 }
19920
19921 \bidi@undef\scr@dte@def@l@largetocline
19922 \bidi@undef\scr@dte@largetocline@init
19923 \DeclareTOCEntryStyle{largetocline}[{%
19924 \DefineTOCEntryLengthOption{indent}%
19925 {scr@tso@}{\@indent}{entry indent}%
19926 \@ifundefined{#1tocdepth}{%
19927 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19928 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19929 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%

```



```

19930 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19931 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19932 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19933 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19934 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19935 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19936 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19937 \csname #1numdepth\endcsname
19938 }%
19939 }%
19940 }%
19941 }%
19942 }%
19943 }%
19944 }%
19945 }%
19946 }%
19947 }{}%
19948 \@ifundefined{scr@tso@#1@indent}{%
19949 \@ifundefined{scr@#1@tocindent}{%
19950 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19951 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19952 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19953 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19954 \scr@ifundefinedorrelax{1@chapter}{%
19955 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19956 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19957 \ifstr{#1}{subsubsection}{%
19958 \@namedef{scr@tso@#1@indent}{3.8em}}%
19959 }{%
19960 \ifstr{#1}{paragraph}{%
19961 \@namedef{scr@tso@#1@indent}{7em}}%
19962 }{%
19963 \ifstr{#1}{subparagraph}{%
19964 \@namedef{scr@tso@#1@indent}{10em}}%
19965 }{%
19966 }%
19967 }%
19968 }%
19969 }%
19970 }%
19971 }{}%
19972 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19973 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19974 \ifstr{#1}{subsubsection}{%
19975 \@namedef{scr@tso@#1@indent}{7.0em}}%
19976 }{%
19977 \ifstr{#1}{paragraph}{%
19978 \@namedef{scr@tso@#1@indent}{10em}}%
19979 }{%
19980 \ifstr{#1}{subparagraph}{%
19981 \@namedef{scr@tso@#1@indent}{12em}}%
19982 }{%
19983 }%

```



```

19984         }%
19985     }%
19986 }%
19987 }%
19988 }%
19989 }%
19990 }%
19991 }%
19992 }%
19993 }{%
19994 \namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19995 }%
19996 }{%}%
19997 }]{%
19998 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19999 \ifnum \@nameuse{#1tocdepth}<\@ne
20000 \scr@ifundefinedorrelax{chapter}{%
20001 \addpenalty\@secpenalty
20002 \addvspace{2.25em \@plus\p@}%
20003 }{%
20004 \addpenalty{-\@highpenalty}%
20005 \addvspace{2.25em \@plus\p@}%
20006 }%
20007 \else
20008 \addpenalty\@secpenalty
20009 \addvspace{2.25em \@plus\p@}%
20010 \fi
20011 \setlength\@tempdima{3em}%
20012 \begingroup
20013 \parindent \z@ \bidi@rightskip \@pnumwidth
20014 \parfillskip -\@pnumwidth
20015 \leavevmode
20016 \large
20017 \bfseries
20018 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
20019 ##1%
20020 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
20021 \par
20022 \nobreak
20023 \ifnum 0=
20024 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
20025 \global\@nobreaktrue
20026 \everypar{\global\@nobreakfalse\everypar{}}%
20027 \fi
20028 \endgroup
20029 \fi
20030 }
20031
20032 \renewcommand*{\scr@dte@tocline}[3]{%
20033 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
20034 \else
20035 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
20036 \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
20037 {%

```



```

20038 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
20039 \bidi@rightskip \@tocrmarg
20040 \parfillskip -\bidi@rightskip
20041 \@nameuse{Ifscr@tso@#1@raggedpage}{%
20042 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
20043 }}%
20044 \parindent \@nameuse{scr@tso@#1@indent}\relax
20045 \@afterindenttrue
20046 \interlinepenalty\@M
20047 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
20048 \addtolength\bidi@rightskip\@flushglue
20049 \else
20050 \def\reserved@a{\raggedright}%
20051 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
20052 \addtolength\bidi@rightskip\@flushglue
20053 \else
20054 \renewcommand\reserved@a{\raggedright}%
20055 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
20056 \addtolength\bidi@rightskip\@flushglue
20057 \fi
20058 \fi
20059 \fi
20060 \leavevmode
20061 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
20062 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
20063 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
20064 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
20065 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
20066 \fi
20067 }%
20068 }}%
20069 \advance\bidi@leftskip \@tempdima
20070 \null\nobreak\hskip -\bidi@leftskip
20071 {%
20072 \usetocbasicnumberline
20073 \let\scr@dte@numberline@box\numberline@box
20074 \def\numberline@box##1{%
20075 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
20076 \global\scr@dte@tocline@numberwidth
20077 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
20078 \ifdim \scr@dte@tocline@numberwidth
20079 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
20080 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
20081 \fi
20082 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
20083 \ifdim \scr@dte@tocline@numberwidth
20084 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
20085 +\@nameuse{scr@tso@#1@numsep}\relax
20086 \PackageWarning{tocbasic}%
20087 }{%
20088 number width of #1 toc entries should be
20089 increased!\MessageBreak
20090 Currently used number width =
20091 \the\wd\scr@dte@tocline@numbox,\MessageBreak

```



```

20092          Wanted number separation
20093          \space\space\space =
20094          \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
20095          Reserved number width \space\space\space\space\space\space =
20096          \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
20097      }%
20098      \fi
20099  }%
20100      \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{#1}}%
20101      \@nameuse{Ifscr@tso@#1@breakafternumber}{%
20102          {\parfillskip\@flushglue\par}\nobreak\hskip-\@bidi@leftskip
20103      }{}%
20104  }%
20105      \@nameuse{scr@tso@#1@entryformat}{%
20106          #2%
20107          \nobreak
20108          {%
20109              \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
20110              \nobreak
20111              \@nameuse{scr@tso@#1@pagenumberbox}{%
20112                  \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
20113              }%
20114          }%
20115      }%
20116      \@par
20117  }%
20118  }%
20119      \tocbasic@SetPenaltyByTOCLevel{#1}%
20120  \fi
20121 }
20122
20123 \bidi@undef\scr@dte@def@l@tocline
20124 \bidi@undef\scr@dte@tocline@init
20125 \DeclareTOCEntryStyle{tocline}[{%
20126     \DefineTOCEntryLengthOption{before skip}%
20127     {scr@tso@}{@before skip}{vertical skip before the entry}%
20128     \DefineTOCEntryIfOption{break after number}%
20129     {scr@tso@}{@break after number}{line break after number flag}%
20130     \DefineTOCEntryIfOption{dynnumwidth}%
20131     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
20132     \DefineTOCEntryCommandOption{entry format}%
20133     {scr@tso@}{@entry format}[1]{entry format}%
20134     \DefineTOCEntryCommandOption{entry number format}%
20135     {scr@tso@}{@number format}[1]{entry number format}%
20136     \DefineTOCEntryCommandOption{line fill}[TOCLineLeaderFill]%
20137     {scr@tso@}{@line fill}{filling between text and page number}%
20138     \DefineTOCEntryLengthOption{numsep}%
20139     {scr@tso@}{@numsep}{entry number separation}%
20140     \DefineTOCEntryCommandOption{onstarthigherlevel}%
20141     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
20142     \DefineTOCEntryCommandOption{onstartlowerlevel}%
20143     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
20144     \DefineTOCEntryCommandOption{onstartsamelevel}%
20145     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%

```




```

20146 \DefineTOCEntryCommandOption{pagenumberbox}%
20147 {scr@tso@}{@pagenumberbox}[1]{page number box}%
20148 \DefineTOCEntryCommandOption{pagenumberformat}%
20149 {scr@tso@}{@pagenumberformat}[1]{page number format}%
20150 \DefineTOCEntryOption{raggedentrytext}[true]{%
20151 \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
20152 \ifx\FamilyKeyState\FamilyKeyStateProcessed
20153 \if@tempswa
20154 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
20155 \raggedright
20156 \else
20157 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
20158 \relax
20159 \fi
20160 \fi
20161 }%
20162 \DefineTOCEntryIfOption{raggedpagenumber}%
20163 {scr@tso@}{@raggedpage}{page number ragged flag}%
20164 \DefineTOCEntryLengthOption{indent}%
20165 {scr@tso@}{@indent}{entry indent}%
20166 \DefineTOCEntryLengthOption{numwidth}%
20167 {scr@tso@}{@numwidth}{entry number width}%
20168 \scr@ifundefinedorrelax{#1tocdepth}{%
20169 \ifstrstart{#1}{sub}{%
20170 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
20171 \expandafter\edef\csname #1tocdepth\endcsname{%
20172 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
20173 }%
20174 }%
20175 }{}%
20176 }{}%
20177 \@ifundefined{#1tocdepth}{%
20178 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
20179 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
20180 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
20181 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
20182 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
20183 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
20184 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
20185 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
20186 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
20187 \expandafter\let\csname #1tocdepth\endcsname
20188 \csname #1numdepth\endcsname
20189 }%
20190 }%
20191 }%
20192 }%
20193 }%
20194 }%
20195 }%
20196 }%
20197 }%
20198 }{}%
20199 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%

```



```

20200 \@ifundefined{scr@#1@tocindent}{%
20201 \ifstrstart{#1}{sub}{%
20202 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
20203 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}{%
20204 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
20205 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
20206 \relax
20207 }%
20208 }%
20209 }{%
20210 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
20211 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
20212 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
20213 \relax
20214 }%
20215 }{%
20216 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
20217 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}}%
20218 +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}}%
20219 \relax
20220 }%
20221 }%
20222 }%
20223 }{}%
20224 }{%
20225 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
20226 }%
20227 }{}%
20228 \@ifundefined{scr@tso@#1@indent}{%
20229 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
20230 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
20231 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
20232 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
20233 \scr@ifundefinedorrelax{l@chapter}{%
20234 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
20235 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
20236 \ifstr{#1}{subsubsection}{%
20237 \@namedef{scr@tso@#1@indent}{3.8em}}%
20238 }{%
20239 \ifstr{#1}{paragraph}{%
20240 \@namedef{scr@tso@#1@indent}{7em}}%
20241 }{%
20242 \ifstr{#1}{subparagraph}{%
20243 \@namedef{scr@tso@#1@indent}{10em}}%
20244 }{%
20245 }%
20246 }%
20247 }%
20248 }%
20249 }%
20250 }{%
20251 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
20252 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
20253 \ifstr{#1}{subsubsection}{%

```



```

20254         \@namedef{scr@tso@#1@indent}{7.0em}%
20255     }{%
20256         \ifstr{#1}{paragraph}{%
20257             \@namedef{scr@tso@#1@indent}{10em}%
20258         }{%
20259             \ifstr{#1}{subparagraph}{%
20260                 \@namedef{scr@tso@#1@indent}{12em}%
20261             }{%
20262                 }%
20263             }%
20264         }%
20265     }%
20266 }%
20267 }%
20268 }%
20269 }%
20270 }%
20271 }%
20272 }{}%
20273 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
20274     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
20275         \ifstrstart{#1}{sub}{%
20276             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
20277             \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
20278                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
20279                 +.9em%
20280             }%
20281         }%
20282     }%
20283 }{}%
20284 }{%
20285     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
20286 }%
20287 }{}%
20288 \@ifundefined{scr@tso@#1@numwidth}{%
20289     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
20290         \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
20291             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
20292                 \scr@ifundefinedorrelax{chapter}{%
20293                     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
20294                         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
20295                             \ifstr{#1}{subsubsection}{%
20296                                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
20297                             }{%
20298                                 \ifstr{#1}{paragraph}{%
20299                                     \@namedef{scr@tso@#1@numwidth}{4.1em}%
20300                                 }{%
20301                                     \ifstr{#1}{subparagraph}{%
20302                                         \@namedef{scr@tso@#1@numwidth}{5m}%
20303                                     }{%
20304                                         }%
20305                                     }%
20306                                 }%
20307                             }%

```



```

20308         }%
20309     }{%
20310         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
20311             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
20312                 \ifstr{#1}{subsubsection}{%
20313                     \@namedef{scr@tso@#1@numwidth}{3.1em}%
20314                 }{%
20315                     \ifstr{#1}{paragraph}{%
20316                         \@namedef{scr@tso@#1@numwidth}{5em}%
20317                     }{%
20318                         \ifstr{#1}{subparagraph}{%
20319                             \@namedef{scr@tso@#1@numwidth}{6em}%
20320                         }{%
20321                             }%
20322                         }%
20323                     }%
20324                 }%
20325             }%
20326         }%
20327     }%
20328 }%
20329 }%
20330 }{}%
20331 \expandafter\renewcommand%
20332 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
20333 \expandafter\renewcommand%
20334 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
20335 \expandafter\renewcommand%
20336 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
20337 \@ifundefined{scr@tso@#1@beforeskip}{%
20338     \ifstr{#1}{part}{%
20339         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
20340     }{%
20341         \ifstr{#1}{chapter}{%
20342             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
20343         }{%
20344             \ifstr{#1}{section}{%
20345                 \scr@ifundefinedorrelax{1@chapter}{%
20346                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
20347                 }{}%
20348             }{}%
20349         }%
20350     }%
20351     \expandafter\renewcommand\expandafter*%
20352     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
20353 }{}%
20354 \@ifundefined{scr@dte@#1@maxnumwidth}{%
20355     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
20356     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
20357 }{}%
20358 \renewcommand*{\scr@dte@donumwidth}{}%
20359 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
20360 \expandafter\renewcommand\expandafter*%
20361 \csname scr@tso@#1@numsep\endcsname{.4em}%

```



```

20362 \expandafter\renewcommand%
20363 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
20364 \ifstr{#1}{part}{%
20365   \expandafter\renewcommand%
20366   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
20367 }{%
20368   \ifstr{#1}{chapter}{%
20369     \expandafter\renewcommand%
20370     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20371   }{%
20372     \scr@ifundefinedorrelax{1@chapter}{%
20373       \ifstr{#1}{section}{%
20374         \expandafter\renewcommand%
20375         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20376       }{%
20377       }%
20378     \expandafter\renewcommand%
20379     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
20380   }%
20381 }%
20382 \expandafter\renewcommand
20383 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
20384 \@ifundefined{scr@tso@#1@linefill}{%
20385   \ifstr{#1}{part}{%
20386     \@namedef{scr@tso@#1@linefill}{\hfill}%
20387   }{%
20388     \ifstr{#1}{chapter}{%
20389       \@namedef{scr@tso@#1@linefill}{\hfill}%
20390     }{%
20391       \scr@ifundefinedorrelax{1@chapter}{%
20392         \ifstr{#1}{section}{%
20393           \@namedef{scr@tso@#1@linefill}{\hfill}%
20394         }{}
20395       }{}
20396     \expandafter\renewcommand%
20397     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20398   }%
20399 }%
20400 }{}%
20401 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
20402 \ifstr{#1}{part}{%
20403   \expandafter\renewcommand%
20404   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
20405 }{%
20406   \expandafter\renewcommand%
20407   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20408     {\normalfont\normalcolor ##1}}%
20409 }%
20410 \expandafter\renewcommand%
20411 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
20412   \hb@xt@{\pnumwidth}{\hfil ##1}}%
20413 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
20414 }%
20415 \scr@dte@tocline{#1}{##1}{##2}%

```



20416 }
20417

126 File `tocstyle-xetex-bidi.def`

```
20418 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
20419 \renewcommand*{\tocstyle@dottedtocline}[5]{%
20420   \let\numberline\tocstyle@numberline
20421   \ifnum #1>\c@tocdepth \else
20422     \if@tocstyle@penalties
20423       \begingroup
20424         \@tempcnta 20010
20425         \advance \@tempcnta by -#1
20426         \ifnum \@tempcnta>\lastpenalty
20427           \aftergroup\penalty\aftergroup\@lowpenalty
20428         \fi
20429       \endgroup
20430     \fi
20431     \edef\tocstyledepth{#1}%
20432     \tocstyle@activate@features
20433     \ifx\tocstyle@feature@entryvskip\relax
20434       \vskip \z@ \@plus.2\p@
20435     \else
20436       \addvspace{\tocstyle@feature@entryvskip}%
20437     \fi
20438     {%
20439       \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
20440       \tocstyle@feature@raggedhook
20441       \@tempdima #3\relax
20442       \@tempdimb #2\relax
20443       \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20444       \ifnum #1>\z@\relax
20445         \@tempcnta #1\relax \advance\@tempcnta \m@ne
20446         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20447           \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20448             \@tempdimb
20449             \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20450             \advance\@tempdimb
20451             \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20452           \fi
20453         \fi
20454       \fi
20455       \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20456       \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
20457         \ifdim \@tempdimb>
20458           \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
20459           \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20460             @#1\endcsname{\the\@tempdimb}%
20461         \fi
20462       \else
20463         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20464           @#1\endcsname{\the\@tempdimb}%
20465       \fi
20466       \iftocstyle@autolength
```



```

20467 \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20468 \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20469 \relax
20470 \fi
20471 \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20472 \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20473 \relax
20474 \fi
20475 \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20476 \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20477 \else
20478 \@tempdimb #2\relax
20479 \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20480 \fi
20481 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
20482 \ifdim \@tempdima>
20483 \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
20484 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20485 @\endcsname{\the\@tempdima}%
20486 \fi
20487 \else
20488 \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20489 @\endcsname{\the\@tempdima}%
20490 \fi
20491 \ifcase\tocstyle@indentstyle\relax\else
20492 \@tempdimb \z@
20493 \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20494 \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20495 \relax
20496 \fi
20497 \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20498 \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20499 \fi
20500 \advance\parindent \@tempdimb\@afterindenttrue
20501 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
20502 \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
20503 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20504 \ifx\tocstyle@feature@parfillskip\relax\else
20505 \advance\parfillskip \tocstyle@feature@parfillskip\relax
20506 \fi
20507 \interlinepenalty\@M
20508 \leavevmode
20509 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
20510 \null\nobreak
20511 \iftocstyle@indentnotnumbered\else
20512 \hskip -\if@RTL\rightskip\else\leftskip\fi
20513 \fi
20514 \tocstyle@feature@entryhook
20515 {#4}\nobreak
20516 \ifx\tocstyle@feature@leaders\relax
20517 \leaders\hbox{$\m@th
20518 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
20519 \mkern \@dotsep mu$}\hfill
20520 \else

```



```

20521         \tocstyle@feature@leaders
20522     \fi
20523     \nobreak
20524     \ifx\tocstyle@feature@pagenumberbox\relax
20525         \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
20526     \else
20527         \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
20528     \fi
20529 \par
20530 }%
20531 \if@tocstyle@penalties
20532     \bgroup
20533     \@tempcnta 20009
20534     \advance\@tempcnta by -#1
20535     \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
20536     \reserved@a
20537 \fi
20538 \fi}
20539 \renewcommand*{\tocstyle@numberline}[1]{%
20540 \beginngroup
20541     \ifx\tocstyle@feature@spaceafternumber\relax
20542         \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
20543     \else
20544         \settowidth\@tempdima{\tocstyle@@numberline{#1}}}%
20545     \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
20546 \fi
20547 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
20548     \ifdim \@tempdima >
20549         \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
20550         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20551             @\tocstyledepth\endcsname{\the\@tempdima}%
20552     \fi
20553 \else
20554     \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20555         @\tocstyledepth\endcsname{\the\@tempdima}%
20556 \fi
20557 \endgroup
20558 \iftocstyle@indentnotnumbered
20559     \hskip -\ifRTL\rightskip\else\leftskip\fi
20560 \fi
20561 \ifcase \tocstyle@indentstyle
20562     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20563 \or
20564     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20565 \else
20566     \ifx\tocstyle@feature@spaceafternumber\relax
20567         \hbox{\tocstyle@@numberline{#1}\enskip}%
20568     \else
20569         \hbox{\tocstyle@@numberline{#1}\hskip
20570             \tocstyle@feature@spaceafternumber\relax}%
20571     \fi
20572 \fi
20573 }
20574 \AtBeginDocument{%

```




```

20575 \ifcsname l@part\endcsname
20576   \ifcsname l@chapter\endcsname
20577     \setbox\@tempboxa\vbox{\hsize\maxdimen
20578       \l@part{\tocstyle@l@define{part}{-1}}{}}%
20579   \else
20580     \setbox\@tempboxa\vbox{\hsize\maxdimen
20581       \l@part{\tocstyle@l@define{part}{0}}{}}%
20582   \fi
20583 \fi
20584 \ifcsname l@chapter\endcsname
20585   \setbox\@tempboxa\vbox{\hsize\maxdimen
20586     \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
20587 \fi
20588 \ifcsname l@section\endcsname
20589   \setbox\@tempboxa\vbox{\hsize\maxdimen
20590     \l@section{\tocstyle@l@define{section}{1}}{}}%
20591 \fi
20592 \ifcsname l@subsection\endcsname
20593   \setbox\@tempboxa\vbox{\hsize\maxdimen
20594     \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
20595 \fi
20596 \ifcsname l@subsubsection\endcsname
20597   \setbox\@tempboxa\vbox{\hsize\maxdimen
20598     \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
20599 \fi
20600 \ifcsname l@paragraph\endcsname
20601   \setbox\@tempboxa\vbox{\hsize\maxdimen
20602     \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
20603 \fi
20604 \ifcsname l@subparagraph\endcsname
20605   \setbox\@tempboxa\vbox{\hsize\maxdimen
20606     \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
20607 \fi
20608 \ifcsname l@table\endcsname
20609   \setbox\@tempboxa\vbox{\hsize\maxdimen
20610     \l@table{\tocstyle@l@define{table}{1}}{}}%
20611 \fi
20612 \ifcsname l@figure\endcsname
20613   \setbox\@tempboxa\vbox{\hsize\maxdimen
20614     \l@figure{\tocstyle@l@define{figure}{1}}{}}%
20615 \fi
20616 \def\@tempa#1#2#3#4#5{%
20617   \ifnum #1>\c@tocdepth \else
20618     \vskip \z@ \@plus.2\p@
20619     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@toc
20620     \parindent #2\relax\@afterindenttrue
20621     \interlinepenalty\@M
20622     \leavevmode
20623     \@tempdima #3\relax
20624     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\ri
20625     #4}\nobreak
20626     \leaders\hbox{$\m@th
20627       \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20628       mu$}\hfill

```



```

20629      \nobreak
20630      \hb@xt@{\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
20631      \par}%
20632      \fi}%
20633      \ifx\@dottedtocline\@tempa\else
20634      \tocstyle@macrochangewarning\@dottedtocline
20635      \fi
20636      \let\tocstyle@saved\@dottedtocline\@dottedtocline
20637      \def\@tempa#1{\hb@xt@{\@tempdima{#1}\autodot\hfil}}%
20638      \ifx\numberline\@tempa\else
20639      \def\@tempa#1{\hb@xt@{\@tempdima{#1}\hfil}}%
20640      \ifx\numberline\@tempa\else
20641      \tocstyle@macrochangewarning\numberline
20642      \fi
20643      \fi
20644      \let\tocstyle@saved\@numberline\@numberline
20645  }
20646  \renewcommand*{\tocstyle@l@define}[2]{%
20647    \advance\ifRTL\rightskip\else\leftskip\fi-\@tempdima
20648    \edef\@tempa{%
20649      \noexpand\global\noexpand\let
20650      \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
20651      \expandafter\noexpand\csname l@#1\endcsname
20652      \noexpand\gdef
20653      \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
20654        \noexpand\@dottedtocline{#2}{\the\ifRTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
20655      \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
20656        \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
20657        \expandafter\noexpand\csname tocstyle@l@#1\endcsname
20658      }%
20659    }%
20660    \PackageInfo{tocstyle}{prepare \expandafter\string
20661      \csname l@#1\endcsname\space for redefinition}%
20662    \@tempa
20663  }

```

127 File todonotes-xetex-bidi.def

```

20664 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
20665 \newif\if@bidi@todonotes@textdirection@RTL
20666 \newif\if@bidi@todonotes@figposition@right
20667 \newcommand{\@bidi@todonotes@align}{}%
20668 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
20669 \newcommand{\@bidi@todonotes@textdirection}{}%
20670 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
20671   \ifcase\@bidi@todonotes@tempb\relax
20672     \@bidi@todonotes@textdirection@RTLtrue
20673     \let\@bidi@todonotes@textdirection\@RLE
20674   \or
20675     \@bidi@todonotes@textdirection@RTLfalse
20676     \let\@bidi@todonotes@textdirection\@LRE
20677   \fi}
20678 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
20679   \ifcase\@bidi@todonotes@tempb\relax

```



```

20680 \@bidi@todonotes@figposition@righttrue
20681 \or
20682 \@bidi@todonotes@figposition@rightfalse
20683 \fi}
20684 \if@todonotes@disabled%
20685 \else % \if@todonotes@disabled
20686 \renewcommand{\@todonotes@drawInlineNote}{%
20687 \if@todonotes@dviStyle%
20688 {\par\noindent\begin{tikzpicture}[remember picture]%
20689 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20690 \if@todonotes@authorgiven%
20691 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20692 \else%
20693 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20694 \fi
20695 {\par\noindent\begin{tikzpicture}[remember picture]%
20696 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20697 \else%
20698 {\par\noindent\begin{tikzpicture}[remember picture]%
20699 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20700 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@a
20701 \if@todonotes@authorgiven%
20702 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text
20703 \else%
20704 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20705 \fi};%
20706 \end{tikzpicture}\par}%
20707 \fi}%
20708 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20709 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20710 \node [coordinate] (inText) {};%
20711 \end{tikzpicture}%
20712 \marginpar[{} Draw note in left margin
20713 \@todonotes@drawMarginNote%
20714 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20715 }]{% Draw note in right margin
20716 \@todonotes@drawMarginNote%
20717 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20718 }%
20719 }%
20720 \renewcommand{\@todonotes@drawMarginNote}{%
20721 \if@todonotes@dviStyle%
20722 \begin{tikzpicture}[remember picture]%
20723 \draw node[notestyle] {};%
20724 \end{tikzpicture}\\%
20725 \begin{minipage}{\@todonotes@textwidth}%
20726 \if@todonotes@authorgiven%
20727 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20728 \else%
20729 \@todonotes@sizecommand \@todonotes@text%
20730 \fi%
20731 \end{minipage}\\%
20732 \begin{tikzpicture}[remember picture]%
20733 \draw node[notestyle] (inNote) {};%

```



```

20734 \end{tikzpicture}%
20735 \else%
20736 \let\originalHbadness\hbadness%
20737 \hbadness 100000%
20738 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20739 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20740 \node(X){\vphantom{X}};%
20741 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20742 \if@todonotes@authorgiven%
20743 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@sizecommand\@todonotes@author};%
20744 \node(Y)[below=of X]{};%
20745 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20746 \else%
20747 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20748 \fi%
20749 \end{tikzpicture}%
20750 \hbadness \originalHbadness%
20751 \fi}%
20752 \renewcommand{\missingfigure}[2][]{%
20753 \setkeys{todonotes}{#1}%
20754 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20755 \par
20756 \noindent
20757 \begin{tikzpicture}
20758 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20759 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20760 \if@bidi@todonotes@figposition@right%
20761 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20762 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20763 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20764 \if@bidi@todonotes@figposition@right%
20765 \end{scope}
20766 \begin{scope}[xshift=-3.8cm]
20767 \draw (2, -0.3) node[right, text
20768 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
20769 \if@bidi@todonotes@figposition@right%
20770 \end{scope}
20771 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20772 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20773 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20774 \if@bidi@todonotes@figposition@right%
20775 \end{scope}
20776 \fi%
20777 \end{tikzpicture}\hfill
20778 % Ending \missingfigure command
20779 \fi % Ending \@todonotes@ifdisabled

```



```

20788 \presetkeys%
20789     {todonotes}%
20790     {align=left,%
20791     textdirection=lefttoright,%
20792     figposition=left}{}%

```

128 File wrapfig-xetex-bidi.def

```

20793 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package f
20794 \let\WF@@everypar\ bidi@n@everypar
20795 \def\WF@putfigmaybe{%
20796 \ifinner
20797   \vskip-\parskip \global\WF@floatfalse
20798   \let\pagetotal\maxdimen % kludge flag for "not top of page"
20799 \else % outer page
20800   \@tempdima\pagedepth % save page depth
20801   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
20802   \penalty\interlinepenalty % update pg. parameters
20803   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20804   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20805     \global\WF@floatfalse
20806     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20807   \else
20808     \ifdim\WF@size>\@tempdimb
20809       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20810       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20811       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20812       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20813       \advance\dimen@.5\baselineskip
20814       \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20815         \global\WF@floatfalse \pagebreak
20816       \fi
20817     \else % \WF@info{Fits in \the\@tempdimb;}%
20818       \global\WF@floatfalse
20819     \fi\fi
20820   \vskip\@tempdima\relax % (return erased page depth)
20821 \fi
20822 \noindent
20823 \ifWF@float
20824   \WF@fltmes
20825 \else % putting here;
20826   \WF@info{Put \WF@wfname here;}%
20827   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
20828     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20829     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20830   \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20831     \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20832     \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20833     \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20834     \xdef\WF@adjlw{\the\@tempdima}%
20835     \ifnum `l=\WF@place % fig on left
20836       \if@RTL%
20837         \kern\@tempdimb \kern\columnsep
20838       \def\@tempa{\hss}% position to left of the gap

```



```

20839 \else%
20840 \hss % figure overlaps space to the left
20841 \def\@tempa{\kern\columnsep}% position to left of the gap
20842 \fi%
20843 \else % fig on right
20844 \if@RTL%
20845 \hss
20846 \@tempdima\z@
20847 \def\@tempa{\kern\columnsep}
20848 \else%
20849 \@tempdima\z@ % no left indentation
20850 \kern\@tempdimb \kern\columnsep
20851 \def\@tempa{\hss}% figure overlaps space to the right
20852 \fi%
20853 \fi
20854 \ifdim\@tempdimb<\hspace
20855 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20856 \xdef\WF@adjtlm{\the\@tempdima}%
20857 \else
20858 \xdef\WF@wrapil{\z@ \the\hspace}%
20859 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
20860 \fi
20861 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20862 \global\advance\WF@size-\intextsep
20863 \else % \WF@info{Putting \WF@wfname in middle of page}%
20864 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20865 \fi \dp\WF@box\z@ \box\WF@box \@tempa
20866 }% end \hbox to 0pt
20867 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20868 \fi}

```

129 File xcolor-xetex-bidi.def

```

20869 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for
20870 \long\def\color@b@x#1#2#3%
20871 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20872 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20873 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20874 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20875 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
20876 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20877 \DeclareRobustCommand\color
20878 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]}
20879 \def\@undeclaredcolor[#1]#2%
20880 {\begingroup
20881 \let\@c@ls\@empty
20882 \XC@getmodclr12{#1}{#2}{}}%
20883 {\ifblendcolors
20884 \ifx\colorblend\@empty\else
20885 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
20886 \XC@coremodel\@mod\@clr\xcolor@{}{}\@mod\@clr
20887 \fi
20888 \fi
20889 \ifconvertcolorsU

```



```

20890     \edef\@tmp{\XC@tgt@mod{\@mod}}%
20891     \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20892   \fi
20893   \ifmaskcolors
20894     \convertcolorspec\@mod\@clr\XC@mmod\@clr
20895     \let\@mod\XC@mmod
20896     \XC@inflate\@mod\XC@mclr\@clr\@tmp
20897     \expandafter\XC@mul\@tmp,\@clr
20898   \fi
20899   \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20900   \expandafter\endgroup\@tmp}}
20901 \def\@declaredcolor#1%
20902 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20903  \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20904    \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20905    \ifconvertcolorsU\XC@tsttrue\fi
20906  \fi
20907  \ifXC@tst
20908    \expandafter\XC@declaredcolor\else
20909    \expandafter\XC@declaredcolor\fi}
20910 \def\XC@undeclaredcolor#1#2%
20911 {\@ifundefinedmodel{#1}%
20912  {\c@lor@error{model `#1'}}%
20913  {\@nameuse{color@#1}\current@color{#2}}%
20914  \edef\XC@current@color{\noexpand\xcolor@}{\current@color}{#1}{#2}}%
20915  \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20916 \def\XC@declaredcolor
20917 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}}%
20918 \edef\current@color{\XC@current@color}%
20919 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20920 \DeclareRobustCommand\bidicolor
20921 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20922 \def\@bidiundeclaredcolor[#1]#2%
20923 {\begingroup
20924  \let\@cls\@empty
20925  \XC@getmodclr12{#1}{#2}{}%
20926  {\ifblendcolors
20927   \ifx\colorblend\@empty\else
20928     \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20929     \XC@coremodel\@mod\@clr\@xcolor@{\}\@mod\@clr
20930   \fi
20931   \fi
20932   \ifconvertcolorsU
20933     \edef\@tmp{\XC@tgt@mod{\@mod}}%
20934     \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20935   \fi
20936   \ifmaskcolors
20937     \convertcolorspec\@mod\@clr\XC@mmod\@clr
20938     \let\@mod\XC@mmod
20939     \XC@inflate\@mod\XC@mclr\@clr\@tmp
20940     \expandafter\XC@mul\@tmp,\@clr
20941   \fi
20942   \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20943   \expandafter\endgroup\@tmp}}

```



```

20944 \def\XC@bidiundeclaredcolor#1#2%
20945 {\@ifundefinedmodel{#1}%
20946 {\c@lor@error{model `#1'}}%
20947 {\@nameuse{color@#1}\current@color{#2}%
20948 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
20949 \XC@display}}
20950 \def\@bidideclaredcolor#1%
20951 {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
20952 \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
20953 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
20954 \ifconvertcolorsU\XC@@tsttrue\fi
20955 \fi
20956 \ifXC@@tst
20957 \expandafter\XC@bidideclaredcolor\else
20958 \expandafter\XC@bidideclaredc@lor\fi}
20959 \def\XC@bidideclaredcolor
20960 {\XC@split\XC@@tmp
20961 \edef\@@tmp{\noexpand\@bidiundeclaredcolor[\@@mod]{\@@clr}}%
20962 \expandafter\endgroup\@@tmp}
20963 \def\XC@bidideclaredc@lor
20964 {\XC@let\Nc\XC@current@color{\string\color@\XC@@tmp}%
20965 \edef\current@color{\XC@current@color}%
20966 \XC@display}
20967 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20968 \def\color@fb@x#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20969 \def\color@fb@x#1#2#3#4%
20970 {\color@b@x{\fb@xsep\z@\bidicolor#1{#2}\XC@fb@x}%
20971 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20972 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

130 File latex-xetex-bidi.def

```

20973 \ProvidesFile{latex-xetex-bidi.def}[2022/02/18 v1.4.0 bidi adaptations for `latex.ltx' for
20974 \newcommand{\TeXXeTOn}{\TeXXeTstate@ne}
20975 \newcommand{\TeXXeTOff}{\TeXXeTstate@z@}
20976 \TeXXeTOn
20977 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20978 \let\bidi@o@everypar=\everypar
20979 \newtoks\bidi@n@everypar
20980 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20981 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20982 \let\everypar=\bidi@n@everypar
20983 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20984 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20985 \protected\def\hboxR{\hbox\bgroup
20986 \everyhbox{%
20987 \aftergroup\egroup
20988 \everyhbox{}}%
20989 \beginR
20990 \@hboxRconstructtrue
20991 \bgroup
20992 \aftergroup\endR
20993 \aftergroup\egroup
20994 }\hbox}

```




```

20995 \protected\def\hboxL{\hbox\bgroup
20996 \everyhbox{%
20997 \aftergroup\egroup
20998 \everyhbox}%
20999 \beginL
21000 \@hboxRconstructfalse
21001 \bgroup
21002 \aftergroup\endL
21003 \aftergroup\egroup
21004 }\hbox}
21005 \protected\def\vboxR{\vbox\bgroup
21006 \everyvbox{%
21007 \aftergroup\egroup
21008 \everyvbox}%
21009 \@RTLtrue
21010 \@RTLtabtrue
21011 \bgroup
21012 \aftergroup\egroup
21013 }\vbox}
21014 \protected\def\vboxL{\vbox\bgroup
21015 \everyvbox{%
21016 \aftergroup\egroup
21017 \everyvbox}%
21018 \@RTLfalse
21019 \@RTLtabfalse
21020 \bgroup
21021 \aftergroup\egroup
21022 }\vbox}
21023 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
21024 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
21025 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
21026 \def\endLTR{\par}
21027 \newenvironment{LTR*}{\LTR
21028 \everypar{%
21029 {\setbox\z@\lastbox
21030 \ifvoid\z@
21031 \kern-\parindent
21032 \fi}%
21033 }%
21034 }\endLTR\@endpetrue}
21035 \def\RTL{\par\@RTLtrue\@RTL@footnotettrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
21036 \def\endRTL{\par}
21037 \newenvironment{RTL*}{\RTL
21038 \everypar{%
21039 {\setbox\z@\lastbox
21040 \ifvoid\z@
21041 \kern-\parindent
21042 \fi}%
21043 }%
21044 }\endRTL\@endpetrue}
21045 \def\setRTL{\@RTLtrue\@RTL@footnotettrue\@RTLtabtrue}
21046 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
21047 \let\unsetRTL=\setLTR
21048 \let\unsetLTR=\setRTL

```



```

21049 \let\LR=\LRE
21050 \let\RL=\RLE
21051 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
21052 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
21053 \let\@ensure@RL=\@ensure@RTL
21054 \let\@ensure@LR=\@ensure@LTR
21055 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
21056 \let\@ensure@maindir=\@ensure@dir
21057 \def\@@RTL{RTL}
21058 \def\@@LTR{LTR}
21059 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
21060 \def\reset@dir{\ifx\saved@@dir\@@RTL\setRTL\else\ifx\saved@@dir\@@LTR\setLTR\else\relax\fi}
21061 \let\@@TeX\TeX
21062 \def\TeX{\@ensure@LTR{\@@TeX}}
21063 \let\@@LaTeX\LaTeX
21064 \def\LaTeX{\@ensure@LTR{\@@LaTeX}}
21065 \let\@@LaTeXe\LaTeXe
21066 \def\LaTeXe{\@ensure@LTR{\@@LaTeXe}}
21067 \long\def\@bidi@reflect@box#1{%
21068   \leavevmode
21069   \setbox\z@\hbox{#1}}%
21070   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:gsstore}}
21071   \hbxt@wd\z@{\kernwd\z@\box\tw@\hss}%
21072 }
21073 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
21074   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
21075 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
21076   \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
21077 \let\setRL=\setRTL
21078 \let\setLR=\setLTR
21079 \let\unsetRL=\setLTR
21080 \def\@bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
21081 \ifpackageloaded{array}{%
21082 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
21083   \leavevmode
21084   \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
21085     \let\dollarend\end\group
21086   \@tabarray}
21087 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
21088 }{%
21089 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
21090   \leavevmode \hbox \bgroup
21091   $\left.\let\@acol\@tabacol
21092   \let\@classz\@tabclassz
21093   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
21094
21095 \def\endbidi@tabular@RTLcases{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
21096   \egroup\right\rbrace $\egroup}}
21097 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
21098   \ialign{##\hfil$\&\quad{##}\hfil\crrc#1\crrc}}\,,\right\}}
21099 \renewenvironment{RTLcases}{%
21100   \bidi@matrix@check\RTLcases\env@RTLcases
21101 }{%
21102   \endbidi@tabular@RTLcases%

```



```

21103 }
21104 \def\env@RTLcases{%
21105   \let\@ifnextchar\@ifnextchar
21106   \def\arraystretch{1.2}%
21107   \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
21108 }
21109 \def\SepMark#1{\gdef\@SepMark{#1}}
21110 \SepMark{.}
21111 \def\@thmcountersep{\@SepMark}
21112 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
21113 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
21114 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
21115 \newcommand*{\bidi@thebibliography@font@hook}{}
21116 \def\list#1#2{%
21117   \ifnum \@listdepth >5\relax
21118     \toodeep
21119   \else
21120     \global\advance\@listdepth\@ne
21121   \fi
21122   \rightmargin\z@
21123   \listparindent\z@
21124   \itemindent\z@
21125   \csname @list\romannumeral\the\@listdepth\endcsname
21126   \def\@itemlabel{#1}%
21127   \let\makelabel\@mklab
21128   \@nmbrrlistfalse
21129   #2\relax
21130   \@trivlist
21131   \parskip\parsep
21132   \parindent\listparindent
21133   \advance\linewidth -\rightmargin
21134   \advance\linewidth -\leftmargin
21135   \if@bidi@list@minipage@parbox
21136     \if@RTL
21137       \advance\@totalleftmargin \leftmargin
21138     \else
21139       \advance\@totalleftmargin \rightmargin
21140     \fi
21141   \else
21142     \if@hboxRconstruct
21143       \if@bidi@list@minipage@parbox@not@nob
21144         \if@RTL
21145           \advance\@totalleftmargin \rightmargin
21146         \else
21147           \advance\@totalleftmargin \leftmargin
21148         \fi
21149       \else
21150         \if@RTL
21151           \advance\@totalleftmargin \leftmargin
21152         \else
21153           \advance\@totalleftmargin \rightmargin
21154         \fi\fi
21155       \else
21156         \if@RTL

```



```

21157 \advance\@totalleftmargin \rightmargin
21158 \else
21159 \advance\@totalleftmargin \leftmargin
21160 \fi\fi\fi
21161 \parshape \@ne \@totalleftmargin \linewidth
21162 \ignorespaces}
21163 \long\def\@iiiparbox#1#2[#3]#4#5{%
21164 \leavevmode
21165 \@pboxswfalse
21166 \if@hboxRconstruct
21167 \@bidi@list@minipage@parbox@not@nobtrue
21168 \fi
21169 \if@RTL
21170 \ifx#1t%
21171 \@bidi@list@minipage@parboxtrue
21172 \else
21173 \ifx#1b%
21174 \@bidi@list@minipage@parboxtrue
21175 \fi
21176 \fi
21177 \fi
21178 \setlength\@tempdima{#4}%
21179 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
21180 \ifx\relax#2\else
21181 \setlength\@tempdimb{#2}%
21182 \edef\@parboxto{to\the\@tempdimb}%
21183 \fi
21184 \if#1b\vbox
21185 \else\if #1t\top
21186 \else\ifmmode\center
21187 \else\@pboxswtrue $\center
21188 \fi\fi\fi
21189 \@parboxto{\let\hss\vss\let\unhbox\unvbox
21190 \csname bm@#3\endcsname}%
21191 \if@pboxsw \m@th$\fi
21192 \@end@tempboxa}
21193 \newenvironment{LTRitems}
21194 {\par\@RTLfalse\@RTLtabfalse
21195 \if@bidi@list@minipage@parbox
21196 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
21197 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
21198 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
21199 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
21200 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
21201 \ignorespaces}{\vskip\z@}
21202 \newenvironment{RTLitems}
21203 {\par\@RTLtrue\@RTLtabtrue
21204 \if@bidi@list@minipage@parbox
21205 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
21206 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
21207 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
21208 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
21209 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
21210 \ignorespaces}{\vskip\z@}

```



```

21211 \newenvironment{LTRbibitems}
21212     {\par\@RTLfalse\@RTLtabfalse
21213      \if@bidi@list@minipage@parbox
21214      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
21215      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
21216      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
21217      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
21218      \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
21219      \ignorespaces}{\vskip\z@}
21220 \newenvironment{RTLbibitems}
21221     {\par\@RTLtrue\@RTLtabtrue
21222      \if@bidi@list@minipage@parbox
21223      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
21224      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
21225      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
21226      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
21227      \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
21228      \ignorespaces}{\vskip\z@}
21229 \def\raggedright{%
21230   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
21231   \leftskip\z@skip
21232   \parindent\z@\parfillskip\z@skip}
21233 \let\bidi@orig@raggedleft\raggedleft
21234 \let\bidi@orig@raggedright\raggedright
21235 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\if@hboxRco
21236 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\if@hboxRco
21237 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
21238 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
21239 \def\centerline#1{%
21240 \if@RTL\@@line{\hss\beginR#1\endR\hss}
21241 \else\@@line{\hss#1\hss}\fi}
21242 \def\leftline#1{%
21243 \if@RTL\@@line{\beginR#1\endR\hss}
21244 \else\@@line{#1\hss}\fi}
21245 \def\rightline#1{%
21246 \if@RTL\@@line{\hss\beginR#1\endR}
21247 \else\@@line{\hss#1}\fi}
21248 \let\bidi@orig@leftline\leftline
21249 \let\bidi@orig@rightline\rightline
21250 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\
21251 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\
21252 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
21253 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
21254 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
21255   \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
21256 \def\narrower{%
21257   \advance\if@RTL\rightskip\else\leftskip\fi\parindent
21258   \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
21259 \def\underline#1{%
21260   \relax
21261   \ifmmode\@@underline{#1}%
21262   \else
21263   \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
21264   \else

```



```

21265 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
21266 \if@compatibility
21267   \let\undertext=\underline
21268 \fi
21269 \def\@tabular{%
21270   \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
21271   $\let\@acol\@tabacol
21272   \let\@classz\@tabclassz
21273   \let\@classiv\@tabclassiv \let\\\@tabulacr\@tabarray}
21274 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
21275   \egroup $\if@RTLtab\endR\fi\egroup}
21276 \expandafter \let \csname endtabular*\endcsname = \endtabular
21277 \def\@array[#1]#2{%
21278   \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
21279   \bgroup
21280   \setbox\@arstrutbox\hbox{%
21281     \vrule \@height\arraystretch\ht\strutbox
21282     \@depth\arraystretch \dp\strutbox
21283     \@width\z@}%
21284   \mkpream{#2}%
21285   \edef\@preamble{%
21286     \ialign \noexpand\@halignto
21287       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
21288   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
21289   \let\@tabularnewline\\
21290   \let\par\@empty
21291   \let\@sharp##
21292   \set@typeset@protect
21293   \lineskip\z@skip\baselineskip\z@skip
21294   \ifhmode \@preamerr\z@ \@@par\fi
21295   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
21296   \@preamble}
21297 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
21298   \let\@classiv\@arrayclassiv
21299   \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
21300 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
21301   \ifnum \@lastchclass=3 5 \else
21302   \z@ \if #1c\@chnum \z@ \else
21303     \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
21304     \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
21305     \@chclass \if #1|\@ne \else
21306     \if #1@\tw@ \else
21307     \if #1p3 \else \z@ \@preamerr 0\fi
21308   \fi \fi \fi \fi \fi \fi
21309 \fi}
21310 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
21311 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
21312 \def\bm@t{\unhbox\@tempboxa\hss}
21313 \def\bm@b{\hss\unhbox\@tempboxa}
21314 \def\@dottedtocline#1#2#3#4#5{%
21315   \ifnum #1>\c@tocdepth \else
21316     \vskip \z@ \@plus.2p@
21317     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm}
21318     \parindent #2\relax\@afterindenttrue

```



```

21319 \interlinepenalty\@M
21320 \leavevmode
21321 \@tempdima #3\relax
21322 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
21323 {#4}\nobreak
21324 \leaders\hbox{$\m@th
21325 \mkern \dotsep mu\hbox{.}\mkern \dotsep
21326 mu$}\hfill
21327 \nobreak
21328 \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}}%
21329 \par}%
21330 \fi}
21331
21332 \newcount\ bidi@column@check@number
21333
21334 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
21335
21336 \def\ bidi@set@column@status#1#2{%
21337 \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
21338
21339 \if@twocolumn
21340 \newcommand\DetectColumn[3][1]{%
21341 \ifx\ bidi@firstcolumn@status\write\relax
21342 \PackageError{bidi}%
21343 {Option 'DetectColumn' not selected}%
21344 {\string\DetectColumn\space
21345 requires the use of the 'DetectColumn'
21346 option on the package}%
21347 \fi
21348 \global\advance\ bidi@column@check@number\@ne
21349 \edef\ bidi@column@type{\expandafter\ifx
21350 \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
21351 0\else
21352 \csname bidi@column-\the\ bidi@column@check@number\endcsname
21353 \fi}%
21354 \ifcase \ bidi@column@type\relax
21355 \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
21356 \or
21357 #2% % 1 First column
21358 \or
21359 #3% % 2 Second (Last column)
21360 \else
21361 \ERROR
21362 \fi
21363 \edef\next{\write\@auxout
21364 {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}}%
21365 {\ bidi@column@type}}}%
21366 \next
21367 }
21368
21369 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
21370 \ifnum #2=\ bidi@current@column@status\else
21371 \@tempwattrue
21372 \fi}%

```



```

21373 }
21374 \fi
21375
21376 \def\RTL@outputdblcol{%
21377   \if@firstcolumn
21378     \global\@firstcolumnfalse
21379     \global\setbox\@leftcolumn\copy\@outputbox
21380     \splitmaxdepth\maxdimen
21381     \vbadness\maxdimen
21382     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21383     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21384     \toks@\expandafter{\topmark}%
21385     \xdef\@firstcoltopmark{\the\toks@}%
21386     \toks@\expandafter{\splitfirstmark}%
21387     \xdef\@firstcolfirstmark{\the\toks@}%
21388     \ifx\@firstcolfirstmark\@empty
21389       \global\let\@setmarks\relax
21390     \else
21391       \gdef\@setmarks{%
21392         \let\firstmark\@firstcolfirstmark
21393         \let\topmark\@firstcoltopmark}%
21394     \fi
21395   \else
21396     \global\@firstcolumntrue
21397     \setbox\@outputbox\vbox{%
21398       \hb@xt@\textwidth{%
21399         \hskip \columnwidth
21400         \hfil
21401         {\normalcolor\vrule \@width\columnseprule}%
21402         \hfil
21403         \hb@xt@\columnwidth{%
21404           \bidi@firstcolumn@status@write%
21405           \box\@leftcolumn \hss}%
21406         \hskip -\textwidth
21407         \hb@xt@\columnwidth{%
21408           \bidi@lastcolumn@status@write%
21409           \box\@outputbox \hss}%
21410         \hskip \columnsep
21411         \hskip \columnwidth }}%
21412     \@combinedblfloats
21413     \@setmarks
21414     \@outputpage
21415     \begingroup
21416     \@dblfloatplacement
21417     \@startdblcolumn
21418     \@whiles\if@fcolmade \fi{\@outputpage
21419     \@startdblcolumn}%
21420     \endgroup
21421   \fi}%
21422
21423 \def\LTR@outputdblcol{%
21424   \if@firstcolumn
21425     \global\@firstcolumnfalse
21426     \global\setbox\@leftcolumn\copy\@outputbox

```




```

21427 \splitmaxdepth\maxdimen
21428 \vbadness\maxdimen
21429 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21430 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21431 \toks@\expandafter{\topmark}%
21432 \xdef\@firstcoltopmark{\the\toks@}%
21433 \toks@\expandafter{\splitfirstmark}%
21434 \xdef\@firstcolfirstmark{\the\toks@}%
21435 \ifx\@firstcolfirstmark\@empty
21436 \global\let\@setmarks\relax
21437 \else
21438 \gdef\@setmarks{%
21439 \let\firstmark\@firstcolfirstmark
21440 \let\topmark\@firstcoltopmark}%
21441 \fi
21442 \else
21443 \global\@firstcolumntrue
21444 \setbox\@outputbox\vbox{%
21445 \hb@xt@\textwidth{%
21446 \hb@xt@\columnwidth{%
21447 \bidi@firstcolumn@status@write%
21448 \box\@leftcolumn \hss}%
21449 \hfil
21450 {\normalcolor\vrule \@width\columnseprule}%
21451 \hfil
21452 \hb@xt@\columnwidth{%
21453 \bidi@lastcolumn@status@write%
21454 \box\@outputbox \hss}}}%
21455 \@combinedblfloats
21456 \@setmarks
21457 \@outputpage
21458 \begingroup
21459 \@dblfloatplacement
21460 \@startdblcolumn
21461 \@whilesw\if@fcolmade \fi{\@outputpage
21462 \@startdblcolumn}%
21463 \endgroup
21464 \fi}%
21465
21466
21467 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
21468 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
21469 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
21470
21471 \bidi@patchcmd\@makecol{%
21472 \ifvoid\footins
21473 \setbox\@outputbox \box\@cclv
21474 \else
21475 \setbox\@outputbox \vbox {%
21476 \boxmaxdepth \@maxdepth
21477 \unvbox \@cclv
21478 \vskip \skip\footins
21479 \color@begingroup
21480 \normalcolor

```



```

21481         \footnoterule
21482         \unvbox \footins
21483         \color@endgroup
21484     }%
21485 \fi
21486 }{%
21487 \ifvoid\footins
21488 \ifvoid\@bidi@copyins@
21489 \setbox\@outputbox \box\@cclv
21490 \else
21491 \setbox\@outputbox \vbox {%
21492 \boxmaxdepth \@maxdepth
21493 \unvbox \@cclv
21494 \vskip \skip\@bidi@copyins@
21495 \color@begingroup
21496 \normalcolor
21497 \unvbox \@bidi@copyins@
21498 \color@endgroup
21499 }%
21500 \fi
21501 \else
21502 \setbox\@outputbox \vbox {%
21503 \boxmaxdepth \@maxdepth
21504 \unvbox \@cclv
21505 \vskip \skip\footins
21506 \color@begingroup
21507 \normalcolor
21508 \footnoterule
21509 \unvbox \footins
21510 \color@endgroup
21511 \ifvoid\@bidi@copyins@
21512 \else
21513 \vskip \skip\@bidi@copyins@
21514 \color@begingroup
21515 \normalcolor
21516 \unvbox \@bidi@copyins@
21517 \color@endgroup
21518 \fi
21519 }%
21520 \fi
21521 }{}{}
21522
21523 \def\LTRmarginpar{%
21524 \ifhmode
21525 \@bsphack
21526 \@floatpenalty -\@Mii
21527 \else
21528 \@floatpenalty-\@Miii
21529 \fi
21530 \ifinner
21531 \@parmoderr
21532 \@floatpenalty\z@
21533 \else
21534 \@next\@currbox\@freelist{}{}%

```



```

21535 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21536 {\@floatpenalty\z@
21537 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21538 \fi
21539 \@ifnextchar [\@LTRxmpar\@LTRympar}
21540 \long\def\@LTRxmpar[#1]#2{%
21541 \@LTRsavemarbox\@marbox{#1}%
21542 \@LTRsavemarbox\@currbox{#2}%
21543 \@xympar}
21544 \long\def\@LTRympar#1{%
21545 \@LTRsavemarbox\@marbox{#1}%
21546 \global\setbox\@currbox\copy\@marbox
21547 \@xympar}
21548 \long\def \@LTRsavemarbox #1#2{%
21549 \global\setbox #1%
21550 \color@vbox
21551 \vtop{%
21552 \hsize\marginparwidth
21553 \@parboxrestore
21554 \@LTRmarginparreset
21555 #2%
21556 \@minipagefalse
21557 \outer@nobreak
21558 }%
21559 \color@endbox
21560 }
21561 \def \@LTRmarginparreset {%
21562 \reset@font
21563 \normalsize
21564 \@minipagetrue
21565 \everypar{\@minipagefalse\everypar{}\beginL}%
21566 }
21567 \def\RTLmarginpar{%
21568 \ifhmode
21569 \@bsphack
21570 \@floatpenalty -\@Mii
21571 \else
21572 \@floatpenalty-\@Miii
21573 \fi
21574 \ifinner
21575 \@parmoderr
21576 \@floatpenalty\z@
21577 \else
21578 \@next\@currbox\@freelist{}\}%
21579 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21580 {\@floatpenalty\z@
21581 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21582 \fi
21583 \@ifnextchar [\@RTLxmpar\@RTLympar}
21584 \long\def\@RTLxmpar[#1]#2{%
21585 \@RTLSavemarbox\@marbox{#1}%
21586 \@RTLSavemarbox\@currbox{#2}%
21587 \@xympar}
21588 \long\def\@RTLympar#1{%

```



```

21589 \@RTLsavemarbox\@marbox{#1}%
21590 \global\setbox\@currbox\copy\@marbox
21591 \@xympar}
21592 \long\def \@RTLsavemarbox #1#2{%
21593 \global\setbox #1%
21594 \color@vbox
21595 \vtop{%
21596 \hsize\marginparwidth
21597 \@parboxrestore
21598 \@RTLmarginparreset
21599 #2%
21600 \@minipagefalse
21601 \outer@nobreak
21602 }%
21603 \color@endbox
21604 }
21605 \def \@RTLmarginparreset {%
21606 \reset@font
21607 \normalsize
21608 \@minipagetrue
21609 \everypar{\@minipagefalse\everypar{}\beginR}%
21610 }
21611 \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
21612 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
21613 \if@twocolumn
21614 \if@firstcolumn \@tempcnta\m@ne \fi
21615 \else
21616 \if@mparswitch
21617 \ifodd\c@page \else\@tempcnta\m@ne \fi
21618 \fi
21619 \if@reversemargin \@tempcnta -\@tempcnta \fi
21620 \fi
21621 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
21622 \@tempdima\@mparbottom
21623 \advance\@tempdima -\@pageht
21624 \advance\@tempdima\ht\@marbox
21625 \ifdim\@tempdima >\z@
21626 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
21627 \else
21628 \@tempdima\z@
21629 \fi
21630 \global\@mparbottom\@pageht
21631 \global\advance\@mparbottom\@tempdima
21632 \global\advance\@mparbottom\dp\@marbox
21633 \global\advance\@mparbottom\marginparpush
21634 \advance\@tempdima -\ht\@marbox
21635 \global\setbox \@marbox
21636 \vbox {\vskip \@tempdima
21637 \box \@marbox}%
21638 \global \ht\@marbox \z@
21639 \global \dp\@marbox \z@
21640 \kern -\@pagedp
21641 \nointerlineskip
21642 \hb@xt@\columnwidth

```



```

21643     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
21644         \hskip\columnwidth \hskip\marginparsep
21645     \else
21646         \hskip -\marginparsep \hskip -\marginparwidth
21647     \fi
21648     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\
21649     \nointerlineskip
21650     \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
21651 \long\def\@ympar#1{%
21652     \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginp
21653     \global\setbox\@currbox\copy\@marbox
21654     \@xympar}
21655 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
21656 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
21657 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
21658 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
21659     \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
21660 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
21661     \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
21662     \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
21663     \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
21664 \fi}
21665
21666 \newcommand*{\bidi@font@outputpage}{%
21667
21668 \def\@outputpage{%
21669 \begingroup           % the \endgroup is put in by \aftergroup
21670 \let \protect \noexpand
21671 \@resetactivechars
21672 \global\let\@if@newlist\if@newlist
21673 \global\@newlistfalse
21674 \@parboxrestore
21675 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
21676 \bidi@beforeoutputpageshipouthook
21677 \shipout \vbox{%
21678     \set@typeset@protect
21679     \aftergroup \endgroup
21680     \aftergroup \set@typeset@protect
21681                                     % correct? or just restore by ending
21682                                     % the group?
21683 \if@specialpage
21684     \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
21685 \fi
21686 \if@twoside
21687     \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
21688     \if@RTLmain
21689         \let\@themargin\evensidemargin
21690     \else
21691         \let\@themargin\oddsidemargin
21692     \fi
21693 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
21694     \if@RTLmain
21695         \let\@themargin\oddsidemargin
21696     \else

```



```

21697         \let\@themargin\evensidemargin
21698     \fi
21699 \fi
21700 \ifx\@thehead\@empty \let\@thehead\hfil \fi
21701 \ifx\@theft\@empty \let\@theft\hfil \fi
21702 \else %% not @twoside
21703 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
21704 \ifx\@oddft\@empty \let\@theft\hfil \fi
21705 \fi
21706 \reset@font
21707 \normalsize
21708 \bidi@font@@outputpage
21709 \normalsfcodes
21710 \let\label\@gobble
21711 \let\index\@gobble
21712 \let\glossary\@gobble
21713 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21714 \@begindvi
21715 \vskip \topmargin
21716 \moveright\@themargin \vbox {%
21717     \global\let\@bidi@BeforeHeader\@firstofone
21718     \bidi@beforeheaderhook
21719     \setbox\@tempboxa \vbox to\headheight{%
21720         \vfil
21721         \color@hbox
21722         \normalcolor
21723         \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
21724         \color@endbox
21725     }%
21726     \dp\@tempboxa \z@
21727     \box\@tempboxa
21728     \vskip \headsep
21729     \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
21730     \bidi@beforeoutputboxoutputpagehook
21731     \box\@outputbox
21732     \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
21733     \bidi@afteroutputboxoutputpagehook
21734     \global\let\@bidi@BeforeFooter\@firstofone
21735     \bidi@beforefooterhook
21736     \baselineskip \footskip
21737     \color@hbox
21738     \normalcolor
21739     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@theft\if@
21740     \color@endbox
21741     \global\let\@bidi@AfterFooter\@firstofone
21742     \bidi@afterfooterhook
21743     }%
21744     }%
21745 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
21746 \bidi@afteroutputpageshipouthook
21747 \global\let\if@newlist\@if@newlist
21748 \global \colht \textheight
21749 \stepcounter{page}%
21750 \let\firstmark\botmark

```



```

21751 \global\let\bid@AtEndOutputPage\@firstofone
21752 \bid@atendoutputpagehook
21753 }
21754 \long\def\@makecaption#1#2{%
21755 \vskip\abovecaptionskip
21756 \sbox\@tempboxa{#1: #2}%
21757 \ifdim \wd\@tempboxa >\hsize
21758 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21759 \else
21760 \global \@minipagefalse
21761 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
21762 \fi
21763 \vskip\belowcaptionskip}
21764 \let\bid@saved@eqno=\eqno
21765 \let\bid@saved@leqno=\leqno
21766 \def\eqno{\ifnum\predisplaydirection<\z@ \bid@saved@leqno \else \bid@saved@eqno \fi}
21767 \def\leqno{\ifnum\predisplaydirection<\z@ \bid@saved@eqno \else \bid@saved@leqno \fi}
21768 \@ifpackageloaded{amsmath}{-}{-}
21769 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
21770 }
21771 \input{footnote-xetex-bidi.def}
21772 \if@twocolumn
21773 \let\autofootnoterule\relax
21774 \let\leftfootnoterule\relax
21775 \let\rightfootnoterule\relax
21776 \textwidthfootnoterule
21777 \fi
21778 \if@bid@csundef{\@idxitem}{-}{-}%
21779 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
21780 }
21781 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{-}
21782 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{-}{\input{article-xetex-bidi.def}}{-}
21783 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{-}
21784 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{-}
21785 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{-}
21786 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{-}
21787 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{-}
21788 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{-}
21789 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{-}
21790 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{-}
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21793 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{-}
21794 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{-}{\input{report-xetex-bidi.def}}{-}
21795 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{-}
21796 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{-}
21797 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{-}
21798 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{-}
21799 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{-}
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21801 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{-}
21802 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{-}
21803 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{-}
21804 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{-}{\input{book-xetex-bidi.def}}{-}

```



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21805 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
21806 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
21807 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21808 \@ifpackageloaded{amsmath}{}{}%
21809 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
21810 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
21811 }
21812 \@ifpackageloaded{mathtools}{}%
21813 \RequirePackage{graphicx}%
21814 \input{mathtools-xetex-bidi.def}%
21815 }{}
21816 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21817 \@ifpackageloaded{lscape}{\RequirePackage{graphicx}}{}
21818 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21819 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
21820 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21821 \@ifpackagewith{algorithm2e}{algonl}{}%
21822 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{A}}
21823 }{}
21824 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21825 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
21826 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
21827 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21828 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21829 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
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21831 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
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21833 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
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21836 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
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21842 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21843 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21844 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21845 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
21846 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21847 \@ifpackageloaded{hvfloa}{\input{hvfloa-xetex-bidi.def}}{}
21848 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21849 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21850 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21851 \@ifpackageloaded{lscape}{\input{lscape-xetex-bidi.def}}{}
21852 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21853 \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
21854 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
21855 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21856 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21857 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21858 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}

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21859 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21860 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21861 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21862 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21863 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21864 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21865 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21866 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
21867 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
21868 \@ifpackageloaded{pdfscape}{\input{pdfscape-xetex-bidi.def}}{}
21869 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21870 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21871 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21872 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
21873 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21874 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21875 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21876 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21877 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21878 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21879 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21880 \@ifpackagewith{sidecap}{innercaption}{%
21881 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21882   \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
21883 \renewcommand*{\SC@justify@caption}%
21884   \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21885 \renewcommand*{\SC@FLOAT}[2]{%
21886   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
21887 \renewcommand*{\SC@justify@caption}%
21888   \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21889 }{}
21890 \@ifpackagewith{sidecap}{rightcaption}{%
21891 \if@RTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21892 \def\SC@justify@caption{\RaggedLeft}\else%
21893 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21894 \def\SC@justify@caption{\RaggedRight}\fi%
21895 }{}
21896 \@ifpackagewith{sidecap}{leftcaption}{%
21897 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21898 \def\SC@justify@caption{\RaggedRight}\else%
21899 \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21900 \def\SC@justify@caption{\RaggedLeft}\fi%
21901 }{}
21902 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21903 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21904 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21905 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21906 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21907 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21908 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
21909 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
21910 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
21911 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
21912 \@ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}

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21913 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
21914 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
21915 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21916 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
21917 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
21918 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
21919 \@ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
21920 \@ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
21921 \@ifpackageloaded{tocbibind}{\@ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
21922 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
21923 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21924 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

131 File xltextra-xetex-bidi.def

```

21925 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package f
21926 \let\@XeTeX\XeTeX
21927 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21928 \let\@XeLaTeX\XeLaTeX
21929 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

132 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		
\# . . . 3283, 3329, 3438, 3446	\@@@bidi@AfterClass 4218, 4223	\@XeTeX . . . 21926, 21927
\% 11744	\@@@bidi@AfterPackage 4263, 4267	\@author 6148, 6151, 6154
\' . . . 11864, 14108, 16108	\@H@@footnotetext 9096, 9111	\@bidi@AfterClass 4217, 4234
\(. 14209	\@H@@mpfootnotetext 9099, 9117	\@bidi@AfterPackage 4262, 4277
\) 14210	\@HLTR@@LTRfootnotetext 9097, 9113	\@bidi@PreventPackageFromLoading . . . 4308, 4310, 4312
\, 5532, 12127, 16702, 16745, 20691, 20702, 21098	\@HLTR@@mpLTRfootnotetext 9100, 9119	\@bidi@pop . . . 3930, 3933, 3934, 3937, 3939
\- 1784, 11863, 14107, 16107	\@HRTL@RTLfootnotetext 9098, 9115	\@bidi@popinto . . . 3930, 3933, 3934
\. 93, 296, 586, 718, 981, 1231, 1783, 6719, 6907, 7219, 8778, 9052, 10886, 13257, 15497, 16270, 16664, 16861, 17064, 17472, 18052, 18735, 19396	\@HRTL@@mpRTLfootnotetext 9101, 9121	\@clr . . 20886, 20891, 20894, 20896, 20897, 20899, 20929, 20934, 20937, 20939, 20940, 20942, 20961
\/ 2054	\@LaTeX . . . 21063, 21064	\@cls 20881, 20924
\: 14251, 14310	\@LaTeXe . . 21065, 21066	\@date . . 6149, 6152, 6155
\< 19030	\@RTL 15957, 15960, 21057, 21060	\@end 3584, 3585
\= . . . 11864, 14108, 16108	\@Radio . . . 13196, 13204	\@endpbox . . . 13960, 19106, 19144, 21288
\> 19031	\@TeX 15961, 15962, 21061, 21062	\@footstart@v01 . . . 9326, 10476, 10534
\@ 3353	\@XeLaTeX . . 21928, 21929	
\@@ 19209, 19211		



\@@if@newlist . 11208, 11240, 21672, 21747	\@LTRbibitemfalse 21112, 21114	\@LTRsavemarbox 21541, 21542, 21545, 21548
\@input 4133	\@LTRbibitemtrue 21113	\@LTRxmpar . 21539, 21540
\@italiccorr 336, 7263, 14088	\@LTRbidityftesidenotesidem@LTRxmpar . 21539, 21544	\@M . 6, 92, 105, 201, 225,
\@line 9420, 9424, 17090, 17099, 17137, 17148, 21240, 21241, 21243, 21244, 21246, 21247	\@LTRbidityftesidenotesmarginparreset 558, 622, 623, 5283, 5290 5270, 5271, 5274, 5277	\@M . 6, 92, 105, 201, 225, 647, 751, 874, 929, 930, 1003, 1123, 1124, 1130, 1253, 2117, 2122, 5879,
\@@makecaption 17514, 17593, 17615, 18094, 18173, 18195, 18777, 18856, 18878	\@LTRbidityftesidenotesxmpar 5268, 5269	6640, 6641, 6647, 6761, 6817, 6818, 6824, 6938, 6988, 7183, 7191, 7258,
\@@makefnmark . 17236, 17238, 17785, 17787, 18355, 18356, 18484, 18486	\@LTRbidityftesidenotesympar 5268, 5273	8745, 8758, 9015, 9024, 9420, 9424, 10852, 10860,
\@@math 7254	\@LTRfootgroupv@l 9319, 9327, 10474, 10532	11181, 13256, 13270, 13294, 15150, 15162, 15174, 16046,
\@@mix 20885, 20928	\@LTRfootnotetext 64, 81, 155, 156, 157, 266, 284, 2190, 2312,	16168, 16169, 16193, 16303, 16442, 16565, 16618, 16619, 16680, 16681,
\@@mod .. 20886, 20890, 20891, 20894, 20895, 20896, 20899, 20929, 20933, 20934, 20937, 20938, 20939, 20942, 20961	5577, 5660, 5667, 6383, 6394, 6600, 6614, 8228, 8229, 9097, 9112, 9113, 9183, 9231, 9239, 9436, 9545, 9648, 9757, 9866, 9975, 10084, 10193, 10302, 10461, 10519, 11463, 11469, 11513, 11539, 11597, 11622, 11628, 12630, 12658, 12737, 12756, 12950, 12954, 12974, 12975, 14017, 14164, 15289, 15291, 15292, 17201, 17207, 17520, 17521, 17531, 17750, 17756, 18100, 18101, 18111, 18449, 18455, 18783, 18784, 18794, 19175, 19192, 19284	17035, 17043, 19200, 19307, 19348, 19482, 19513, 19536, 19553, 19570, 19587, 19604, 19621, 19639, 19658, 19678, 19713, 20046, 20507, 20621, 21319
\@@par 14106, 16106, 16697, 16740, 17219, 17226, 17768, 17775, 18341, 18346, 18467, 18474, 19321, 19323, 21179, 21294	\@LTRmarginparfalse 21655, 21657	\@MM ... 41, 55, 71, 244, 258, 273, 8226, 8247, 8294, 8301, 8346, 8353, 9347, 11486, 11503, 11519
\@@para@footstart@v@l 10476, 10534	\@LTRmarginparreset 21554, 21561	\@Mi 7254, 14031
\@@protect 3214	\@LTRmarginpartrue 21656	\@Mii . 2265, 5211, 5255, 5299, 7916, 7928, 7941, 21526, 21570
\@@startpbox .. 13959, 19106, 19144, 21288		\@Miii 2267, 5213, 5257, 5301, 21528, 21572
\@@title . 6147, 6150, 6153		\@RTL@footnotefalse ... 1710, 11306, 11473, 15941, 15946, 21025, 21046
\@@tmp 20890, 20891, 20896, 20897, 20899, 20900, 20933, 20934, 20939, 20940, 20942, 20943, 20961, 20962		\@RTL@footnotettrue ... 1708, 11306, 11472, 15943,
\@@underline 21261, 21263, 21265		
\@DEBUGfalse 2334		
\@False 7242, 7244		



15945, 21035, 21045	16847, 17050,	. . . . 1571, 1678,
\@RTLbibitemsfalse	17450, 18030,	21010, 21035,
. 21113, 21114	18713, 19382,	21045, 21082,
\@RTLbibitemstrue 21112	20983, 21018,	21089, 21203, 21221
\@RTLbidityftesidenote@sidenote	21025, 21046,	\@RTLtrue . 36, 50, 87,
. . . 5677, 5708, 5712	21194, 21212,	239, 253, 290, 572,
\@RTLbidityftesidenotemarginparreset	21652, 21723, 21739	707, 970, 1220,
. 5327, 5334	\@RTLfootnotetext .	1666, 1672, 1690,
\@RTLbidityftesidenotesavemabox 48, 80,		2560, 6708, 6896,
. 5314,	159, 160, 161, 251,	7205, 7263, 7265,
5315, 5318, 5321	283, 2191, 2313,	8767, 9038, 9157,
\@RTLbidityftesidenotexmpar	5595, 5689, 5696,	9171, 9198, 9220,
. 5312, 5313	6384, 6395, 6601,	9450, 9470, 9495,
\@RTLbidityftesidenoteympar	6615, 8249, 8250,	9520, 9559, 9577,
. 5312, 5317	9098, 9114, 9115,	9601, 9624, 9662,
\@RTLcolumnfootnotesfalse	9169, 9232, 9240,	9682, 9707, 9732,
. 9249	9437, 9546, 9649,	9771, 9791, 9816,
\@RTLcolumnfootnotesttrue	9758, 9867, 9976,	9841, 9880, 9900,
. 9248	10085, 10194,	9924, 9949, 9989,
\@RTLfalse 36, 66, 87,	10303, 10462,	10009, 10033,
239, 268, 290, 572,	10520, 11454,	10058, 10098,
707, 970, 1220,	11460, 11497,	10118, 10143,
1668, 1674, 1692,	11538, 11598,	10168, 10207,
2560, 6708, 6896,	11637, 11643,	10227, 10252,
7205, 7224, 7236,	12629, 12647,	10277, 10316,
7249, 8767, 9038,	12722, 12757,	10336, 10361,
9157, 9185, 9198,	12949, 12953,	10386, 10685,
9209, 9450, 9460,	12971, 12972,	10705, 10875,
9495, 9507, 9559,	14018, 14165,	11481, 11498,
9568, 9601, 9612,	15294, 15296,	11543, 11571,
9662, 9672, 9707,	15297, 17202,	13251, 13574,
9719, 9771, 9781,	17211, 17522,	13597, 13608,
9816, 9828, 9880,	17523, 17533,	13617, 14100,
9890, 9924, 9936,	17751, 17760,	14903, 15488,
9989, 9999, 10033,	18102, 18103,	15904, 15929,
10045, 10098,	18113, 18450,	15943, 15945,
10108, 10143,	18459, 18785,	16259, 16653,
10155, 10207,	18786, 18796,	16847, 17050,
10217, 10252,	19176, 19193, 19285	17450, 18030,
10264, 10316,	\@RTLmainfalse . 1593,	18713, 19382,
10326, 10361,	1597, 1878, 1882	20984, 21009,
10373, 10695,	\@RTLmaintrue . 1596, 1881	21035, 21045,
10714, 10875,	\@RTLmarginparfalse	21203, 21221,
11481, 11514,	. . . . . 21656, 21657	21652, 21723, 21739
11557, 11571,	\@RTLmarginparreset	\@RTLxmpar . 21583, 21584
13251, 13574,	. . . . . 21598, 21605	\@RTLympar . 21583, 21588
13597, 13601,	\@RTLmarginpartrue 21655	\@Reset 13229, 13238
13608, 13617,	\@RTLSavemabox 21585,	\@SepMark 19,
14097, 14903,	21586, 21589, 21592	20, 21, 22, 168,
15488, 15657,	\@RTLtabfalse . . 409,	214, 215, 216, 217,
15705, 15903,	1572, 1680, 21019,	334, 350, 546, 547,
15937, 15941,	21025, 21046,	548, 549, 700, 701,
15946, 15995,	21194, 21212, 21299	702, 703, 954, 955,
16259, 16653,	\@RTLtabtrue	956, 957, 1213,



1214, 1215, 1216,	17977, 17981,	19620, 19638,
6734, 6735, 6736,	17983, 17985,	19657, 19677,
6737, 6738, 6740,	17987, 17991,	19712, 20045,
6742, 6744, 6911,	17993, 17999,	20500, 20620, 21318
6912, 6913, 6914,	18001, 18007,	\@algocf@finish ... 179
6915, 6917, 6919,	18009, 18671,	\@algocf@start 171
6921, 7162, 7164,	18673, 18676,	\@ampacol 1435, 1443
7166, 7168, 7169,	18678, 18680,	\@arabic 168,
7170, 7171, 7172,	18682, 18685,	546, 547, 548, 549,
8878, 8879, 8880,	18689, 18693,	574, 581, 700, 701,
8881, 8994, 8996,	19456, 19700,	702, 703, 709, 716,
8998, 9000, 9001,	21109, 21111, 21822	954, 955, 956, 957,
9002, 9003, 9004,	\@Submit ... 13212, 13221	972, 979, 1213,
10978, 10979,	\@TextField . 13180, 13188	1214, 1215, 1216,
10980, 10981,	\@True ... 7237, 7243, 7275	1222, 1229, 2572,
10982, 10984,	\@Undottedtocline 15157	6710, 6717, 6734,
10986, 10988,	\@Undottedtoclinep 15169	6735, 6736, 6737,
11148, 11154,	\@acci 11864, 14108, 16108	6738, 6740, 6742,
11276, 11278,	\@accii 11864, 14108, 16108	6744, 6898, 6905,
11280, 11282,	\@acciii 11864, 14108, 16108	6911, 6912, 6913,
11283, 11284,	\@acol 1437, 1445, 2199,	6914, 6915, 6917,
11285, 11286,	13956, 19090,	6919, 6921, 7162,
11289, 11291,	21091, 21271, 21297	7164, 7166, 7167,
11293, 11295,	\@acolampacol .. 1435,	7168, 7169, 7170,
11296, 11297,	1437, 1443, 1445	7171, 7172, 7207,
11298, 11299,	\@addamp 1436, 1444	7214, 8769, 8776,
13307, 13308,	\@addfield 21661	8878, 8879, 8880,
13309, 13310,	\@addmarginpar ... 21611	8881, 8994, 8996,
13634, 14790,	\@address 2452,	8998, 8999, 9000,
14792, 14794,	8083, 8084, 8181, 8183	9001, 9002, 9003,
14796, 14798,	\@addresscolour 2421,	9004, 9040, 9047,
14799, 14801,	2438, 8082, 8180	10877, 10884,
14802, 14803,	\@addtofilelist ... 4132	10978, 10979,
15531, 15539,	\@addtopreamble ... 1408, 1471, 7336	10980, 10981,
15541, 16274,	\@addtoreset 332, 11151,	10982, 10984,
16275, 16276,	15529, 15535, 15537	10986, 10988,
16277, 16278,	\@adviper 7679	11276, 11278,
16280, 16282,	\@afterheading 568, 2100, 2110,	11280, 11281,
16284, 16639,	8755, 8763, 14120	11282, 11283,
16640, 16641,	\@afterindentfalse .. 2100, 2110, 14119	11284, 11285,
16642, 16643,	\@afterindenttrue . 647, 874, 1130,	11286, 11289,
16645, 16647,	5878, 6647, 6824,	11291, 11293,
16649, 16834,	15149, 15161,	11294, 11295,
16836, 16838,	15173, 16193,	11296, 11297,
16839, 16840,	16565, 19481,	11298, 11299,
16841, 16842,	19512, 19535,	13634, 13636,
16843, 17016,	19552, 19569,	14790, 14792,
17018, 17020,	19586, 19603,	14794, 14796,
17022, 17023,		14798, 14801,
17024, 17025,		14802, 14803,
17026, 17424,		16261, 16268,
17425, 17427,		16274, 16275,
17429, 17431,		16276, 16277,
17972, 17975,		16278, 16280,



16282, 16284,	\@author 428,	16262, 16655,
16639, 16640,	442, 478, 499, 762,	16656, 16849,
16641, 16642,	764, 782, 827, 846,	16850, 17052,
16643, 16645,	1014, 1016, 1034,	17053, 17453,
16647, 16649,	1079, 1098, 1264,	17455, 18033,
16655, 16662,	1266, 1284, 1329,	18035, 18716,
16834, 16836,	1349, 1360, 1999,	18718, 19384, 19385
16838, 16839,	6080, 6082, 6151,	\@bibsetup 15490
16840, 16841,	6772, 6774, 6792,	\@bibtitlestyle . . .
16842, 16843,	6949, 6951, 6969,	. . . . . 84, 287, 13248
16849, 16856,	7044, 7058, 7094,	\@bidi@ostpelt
17016, 17018,	7115, 8805, 8817,	. . . 3652, 3658, 3662
17020, 17021,	8851, 8870, 8900,	\@bidi@AfterClass .
17022, 17023,	8914, 8950, 8971,	. . . . . 4218,
17024, 17025,	10905, 10917,	4239, 4244, 4251
17026, 17052,	10951, 10970,	\@bidi@AfterPackage
17059, 17425,	14759, 16314,	. . . . . 4263,
17427, 17429,	16316, 16334,	4282, 4286, 4293
17431, 17453,	16379, 16398,	\@bidi@EqualStringX
17469, 17979,	16453, 16455,	. . . 3717, 3718, 3719
17981, 17983,	16475, 16522,	\@bidi@PreventPackageFromLoading
17985, 17987,	16544, 16555,	. . . 4303, 4304, 4306
17995, 18003,	16711, 16725,	\@bidi@UnPreventPackageFromLoading
18011, 18033,	16766, 16787,	. . . 4395, 4396, 4399
18049, 18674,	16898, 16912,	\@bidi@after@Hy@hyperfootnotes
18676, 18678,	16948, 16969,	. . . . 9106, 9244,
18680, 18682,	17293, 17356,	9445, 9554, 9657,
18686, 18690,	17407, 17842,	9766, 9875, 9984,
18694, 18716,	17905, 17956,	10093, 10202,
18732, 19384, 19391	18541, 18604, 18655	10311, 10480, 10542
\@argdef 3174	\@auxout 1728,	\@bidi@append@to@cslist
\@array 384, 405, 1370,	1732, 2615, 2950,	. . . 3864, 3868, 3878
1371, 19127, 21277	2978, 3004, 3032,	\@bidi@append@to@list
\@arrayacol 21297	3058, 3061, 3095,	. . . . . 3868,
\@arrayclassiv . . . 21298	3098, 6547, 21363	3871, 3874, 3881, 3889
\@arrayclassz	\@badmath . . 11113, 11127	\@bidi@before@Hy@hyperfootnotes
. 1435, 19131, 21297	\@begin@tempboxa . .	. . . . 9092, 9237,
\@arraycr 404, 13965, 21299	. . . . . 12140,	9434, 9543, 9646,
\@arrayleft 397	12236, 12243, 21179	9755, 9864, 9973,
\@arrayparboxrestore	\@begin@dv . 11179, 21714	10082, 10191,
. 14020, 16103	\@begin@parpenalty .	10300, 10459, 10513
\@arrayright 406	. . . . . 2113,	\@bidi@copy@stacktop
\@arrayrule 1390, 1391,	2122, 11116, 11130	. . . . . 3936, 3939
1392, 1428, 1429, 1430	\@bib@break	\@bidi@copyins@ 1608,
\@arstdepth . . . . .	. 17445, 18025, 18708	1609, 1610, 1611,
. 19124, 19129, 19147	\@biblabel . . 89, 292,	1612, 1893, 1894,
\@arstheight 19129, 19147	574, 575, 709, 710,	1895, 1896, 1897,
\@arstrut 394,	972, 973, 1222,	9330, 9332, 9335,
13979, 19105, 21287	1223, 6710, 6711,	11892, 11893,
\@arstrutbox . . . 387,	6898, 6899, 7207,	11894, 11895,
13967, 14021,	7208, 8769, 8770,	11905, 11906,
19098, 19139,	9040, 9041, 10877,	11954, 11955,
19143, 19147, 21280	10878, 13253,	12011, 12012,
	15490, 16261,	12013, 12014,



12031, 12032,	1817, 1923, 1937	\@bidi@void@mpfootinsfalse
12050, 12059,	\@bidi@pdfcustomproperties	..... 9386
12071, 12077,	..... 1589,	\@bidi@void@mpfootinstrue
12081, 12093,	1820, 1929, 1940	..... 9384
12095, 12098,	\@bidi@pdfencryptfalse	\@bidi@void@footinsfalse
12129, 15319,	..... 1797	..... 10787, 10801
15320, 15409,	\@bidi@pdfencrypttrue	\@bidi@void@footinstrue
15970, 15972,	..... 1799, 1802	..... 10784, 10799
15973, 21488,	\@bidi@pdfm@markfalse	\@bidi@w@w 3847
21494, 21497,	..... 1750, 1945	\@bidi@ww 3841
21511, 21513, 21516	\@bidi@pdfm@marktrue	\@bidi@declaredcolor
\@bidi@emptytoks ..	..... 1748, 1944	..... 7388,
... 2664, 2669, 2693	\@bidi@pdfproducer	7395, 20921, 20950
\@bidi@envbody ....	..... 1586,	\@bidi@tufte@l@r@side@note@normal@cite
.... 2663, 2665,	1818, 1926, 1938	..... 5443,
2667, 2668, 2669,	\@bidi@perpage@footnotefalse	5522, 5642, 5671,
2689, 2691, 2692, 2693	..... 1760	5700, 5722, 5731, 5740
\@bidi@fi 3798,	\@bidi@perpage@footnotetrue	\@bidi@tufte@l@r@side@note@normal@cite
3799, 3800, 3801,	..... 1758	..... 5462,
3805, 3806, 3810,	\@bidi@prepend@to@clist	5523, 5643, 5672,
3811, 3815, 3816,	..... 3866,	5701, 5723, 5732, 5741
3821, 3822, 3826, 3827	3869, 3880, 3922, 3924	\@bidi@tufte@float@caption
\@bidi@ifnxtc 3765, 3768, 3769	\@bidi@prepend@to@list	..... 4816, 4849
\@bidi@info 1506, 1533,	..... 3869,	\@bidi@tufte@float@caption@box
1535, 1832, 1859, 1861	3872, 3876, 3882, 3890	4808, 4873, 4884,
\@bidi@inslogo@ ...	\@bidi@removefromreset	4885, 4908, 5143, 5148
.... 1612, 1741,	... 2790, 2791, 2793	\@bidi@tufte@float@caption@fill
1743, 1897, 1922, 1947	\@bidi@replacefilewithext	..... 4757,
\@bidi@list@minipage@parbox@out@os@type	... 4180, 4184, 4187	4766, 4767, 5148
..... 11586, 21167	\@bidi@list@minipage@parbox@out@os@type	\@bidi@tufte@float@caption@font
\@bidi@list@minipage@parbox@out@os@type	..... 2651	4722, 4723, 4777,
..... 19294	\@bidi@list@minipage@parbox@out@os@type	4974, 5145, 5151, 5164
\@bidi@list@minipage@parbox@out@os@type	..... 3651, 3657	\@bidi@tufte@float@caption@justification
... 11587, 21171, 21174	\@bidi@list@minipage@parbox@out@os@type	... 4664, 4780, 4974
\@bidi@logo 1628,	\@bidi@list@minipage@parbox@out@os@type	\@bidi@tufte@float@caption@vertical@offset
1647, 1905, 1921	\@bidi@list@minipage@parbox@out@os@type	... 4811, 4812,
\@bidi@logo@ 20667,	\@bidi@list@minipage@parbox@out@os@type	4820, 4884, 4885, 4912
.... 1612, 1644,	\@bidi@list@minipage@parbox@out@os@type	\@bidi@tufte@float@checkoddpages
1743, 1897, 1921, 1922	\@bidi@list@minipage@parbox@out@os@type	..... 4739, 4836
\@bidi@logo@hb@ext@	\@bidi@list@minipage@parbox@out@os@type	\@bidi@tufte@float@figure@box
..... 1898, 1921	\@bidi@list@minipage@parbox@out@os@type	..... 4807,
\@bidi@logo@hb@ext@columnwidth	\@bidi@list@minipage@parbox@out@os@type	\@bidi@tufte@float@figure@box
..... 1613, 1645	\@bidi@list@minipage@parbox@out@os@type	..... 4807,
\@bidi@lst@makecaption	\@bidi@list@minipage@parbox@out@os@type	\@bidi@tufte@float@float@contents@width
..... 13571,	\@bidi@list@minipage@parbox@out@os@type	..... 4828,
13587, 13588,	\@bidi@list@minipage@parbox@out@os@type	4864, 4865, 4867
13619, 13620,	\@bidi@list@minipage@parbox@out@os@type	\@bidi@tufte@float@float@debug
13621, 13625, 13627	\@bidi@list@minipage@parbox@out@os@type	..... 4797, 4803,
\@bidi@mdf@RTLtrue 14096	\@bidi@list@minipage@parbox@out@os@type	4805, 4806, 4838,
\@bidi@patch@AfterPackage	\@bidi@list@minipage@parbox@out@os@type	4842, 4844,
..... 4588, 4591	\@bidi@list@minipage@parbox@out@os@type	4845, 4922, 4929,
\@bidi@pdfcreator .	\@bidi@list@minipage@parbox@out@os@type	4937, 4940, 4941
..... 1583,	\@bidi@list@minipage@parbox@out@os@type	\@bidi@tufte@float@float@debug@info
	\@bidi@list@minipage@parbox@out@os@type	..... 4796, 4798,
	\@bidi@list@minipage@parbox@out@os@type	4799, 4800, 4897, 4904



<code>\@capytype</code> 2204, 2252, 2300, 4778, 14878, 14882, 14885, 17074, 17117	<code>\@checkend</code> 2682, 2706, 4473, 4474	<code>\@colourgreyfalse</code> 8005, 8103
<code>\@ccclv</code> 8261, 8318, 10756, 10757, 10785, 10796, 12026, 12038, 12072, 12075, 12076, 12086, 12087, 14035, 14040, 14052, 15964, 21473, 21477, 21489, 21493, 21504	<code>\@chnum</code> . 353, 360, 371, 1378, 1385, 1398, 1408, 1424, 1425, 1426, 1439, 1447, 1473, 7338, 19229, 19236, 19251, 21302, 21303, 21304	<code>\@colourgreytrue</code> 8006, 8104
<code>\@ccclvi</code> 10503, 10505, 10565, 10567	<code>\@circlefnt</code> 11007	<code>\@colourorangefalse</code> 7999, 8097
<code>\@centercr</code> 5952, 16054, 16067, 16080, 19300, 19329, 21230	<code>\@classiv</code> 2201, 13957, 19092, 21093, 21273, 21298	<code>\@colourorangetrue</code> 8000, 8098
<code>\@cftasnum</code> . . . 19486, 19517, 19540, 19557, 19574, 19591, 19608, 19625, 19643, 19662, 19682, 19717	<code>\@classx</code> . 1405, 1464, 7332	<code>\@colourredfalse</code> 8003, 8101
<code>\@cftasnumb</code> . . . 19487, 19518, 19541, 19558, 19575, 19592, 19609, 19626, 19644, 19663, 19683, 19718	<code>\@classz</code> 1405, 1464, 1498, 1499, 2200, 7332, 13957, 19091, 19131, 21092, 21272, 21297	<code>\@colourredtrue</code> 8004, 8102
<code>\@cftbsnum</code> . . . 19485, 19516, 19539, 19556, 19573, 19590, 19607, 19624, 19642, 19661, 19681, 19716	<code>\@cleartopmattertags</code> 129, 13330	<code>\@colourtrue</code> 2363
<code>\@cftdopartfalse</code> . 19459	<code>\@cliptoboxdim</code> . . . 19258	<code>\@colroom</code> 7961, 7964, 7966, 7967, 8261, 8318, 12004, 12018, 12021, 12023, 14046, 14055
<code>\@cftdoparttrue</code> 19462, 19466	<code>\@clsextension</code> 4187, 4198, 4214, 4224, 4233, 4236, 4245	<code>\@combinedblfloats</code> 7601, 7660, 11066, 11102, 11183, 11937, 11990, 14990, 15087, 21412, 21455
<code>\@cftl@subfig</code> 19650	<code>\@clubpenalty</code> 584, 7217, 9050, 16859, 17062, 19394	<code>\@combinefloats</code> 10741, 12106
<code>\@cftl@subtab</code> 19670	<code>\@colht</code> 7689, 7716, 7717, 7801, 7802, 7818, 7934, 7949, 7950, 7960, 7961, 7968, 7984, 7988, 10746, 11202, 12004, 12016, 12017, 12018, 12020, 12022, 12110, 14046, 14047, 14926, 14929, 14931, 14933, 14938, 14939, 14940, 14959, 14960, 14961, 14965, 15026, 15029, 15031, 15033, 15038, 15039, 15040, 15059, 15060, 15061, 15065, 21748	<code>\@compactenum@</code> 5934
<code>\@chapapp</code> . 6983, 7178, 9010, 10848, 17031	<code>\@colourfalse</code> 2364	<code>\@cons</code> 21611, 21612
<code>\@chapterlistsgap@off</code> 15523	<code>\@colourgreenfalse</code> 8001, 8099	<code>\@contcshortstyle</code> 14833
<code>\@chapterlistsgap@on</code> 15530, 15538	<code>\@colourgreentrue</code> 8002, 8100	<code>\@contcstyle</code> 14838, 14844, 14849
<code>\@chclass</code> . . 352, 364, 375, 1377, 1389, 1402, 1422, 1427, 19228, 19244, 19255, 21300, 21305		<code>\@contcwidth</code> 14827, 14828
		<code>\@contdelim</code> 14821, 14832, 14836, 14843, 14848
		<code>\@contfield</code> 6564, 6579, 6611
		<code>\@contfinal</code> 14821, 14833, 14839, 14845, 14849
		<code>\@contfmark</code> . 14820, 14823
		<code>\@contfnote</code> . 14819, 14822
		<code>\@contindw</code> 14844
		<code>\@contnfont</code> 14821, 14832, 14836, 14843, 14848
		<code>\@contpost</code> 14853
		<code>\@contpre</code> 14831, 14837, 14842, 14847
		<code>\@conttfont</code> 14821, 14833, 14839, 14845, 14849
		<code>\@curfield</code> 6563, 6578, 6598, 6612, 6622, 21661



<code>\@curline</code> 6561, 6576, 21661, 21663	<code>\@currentlabelname</code> 12717, 12732, 12747, 12806, 12844, 12877, 12908, 12939	<code>\@declaredcolor</code> 7373, 7374, 20878, 20901
<code>\@currbox</code> . 2272, 2303, 2307, 5175, 5178, 5219, 5222, 5227, 5231, 5263, 5266, 5271, 5275, 5307, 5310, 5315, 5319, 21534, 21537, 21542, 21546, 21578, 21581, 21586, 21590, 21612, 21621, 21653	<code>\@currenvir</code> 2668, 2671, 2672, 2692, 2695, 2696, 2723	<code>\@dedication</code> 17313, 17315, 17366, 17414, 17416, 17862, 17864, 17915, 17963, 17965, 18561, 18563, 18614, 18662, 18664
<code>\@currentHlabel</code> . . . 12715, 12730, 12745	<code>\@currlist</code> 21611	<code>\@dedicatory</code> 323
<code>\@currentHref</code> 12716, 12731, 12746, 12805, 12843, 12876, 12907, 12938, 13160, 13171, 13173	<code>\@curtabmar</code> . 21660, 21663	<code>\@deferlist</code> 12002
<code>\@currentlabel</code> 43, 57, 73, 246, 260, 275, 5567, 5585, 5603, 9163, 9177, 9191, 9203, 9214, 9225, 9454, 9464, 9474, 9500, 9513, 9525, 9563, 9572, 9581, 9606, 9618, 9629, 9666, 9676, 9686, 9712, 9725, 9737, 9775, 9785, 9795, 9821, 9834, 9846, 9884, 9894, 9904, 9930, 9943, 9955, 9993, 10003, 10013, 10039, 10052, 10064, 10102, 10112, 10122, 10148, 10161, 10173, 10211, 10221, 10231, 10257, 10270, 10282, 10320, 10330, 10340, 10366, 10379, 10391, 10586, 10598, 10610, 10647, 10661, 10675, 11488, 11505, 11521, 11549, 11563, 11577	<code>\@cvthemeoptions</code> 2445, 2447	<code>\@definitionfileextension</code> 2737, 2740
	<code>\@date</code> . . 431, 443, 479, 502, 770, 772, 784, 829, 849, 1022, 1024, 1036, 1081, 1101, 1272, 1274, 1286, 1331, 1352, 1361, 2000, 6098, 6152, 6780, 6782, 6794, 6957, 6959, 6971, 7047, 7059, 7095, 7118, 8808, 8818, 8852, 8873, 8903, 8915, 8951, 8974, 9059, 9064, 10908, 10918, 10952, 10973, 13339, 13344, 14760, 16322, 16324, 16336, 16381, 16401, 16461, 16463, 16477, 16524, 16547, 16556, 16714, 16726, 16767, 16789, 16901, 16913, 16949, 16972, 17297, 17357, 17411, 17846, 17906, 17960, 18427, 18428, 18431, 18436, 18545, 18605, 18659	<code>\@depth</code> . . . 389, 13969, 19071, 19100, 19140, 21282, 21650
	<code>\@datefield</code> 18367	<code>\@dgroup</code> 7236
	<code>\@dblarg</code> 14885	<code>\@dischyph</code> 11863, 14107, 16107
	<code>\@dblfloatplacement</code> 7605, 7664, 11067, 11106, 11190, 11941, 11994, 14994, 15091, 21416, 21459	<code>\@displaypagenumbersfalse</code> 2543
		<code>\@displaypagenumberstrue</code> 2542
		<code>\@dmath</code> 7224, 7253
		<code>\@docolbox</code> 11256
		<code>\@dodynamicthefoot</code> 11180
		<code>\@dodynamicthehead</code> 11180
		<code>\@dofilelist</code> 4484, 4485, 4487
		<code>\@dotsep</code> 20518, 20519, 20627, 21325
		<code>\@dottedtocline</code> 20633, 20634, 20636, 20654, 21314
		<code>\@dseries</code> 7249
		<code>\@eha</code> 2659, 19704
		<code>\@ehc</code> 2762, 2764, 2770, 2772, 2778, 2780, 2786, 2788, 3190, 4061, 10452, 13540, 13547, 14033, 15132, 15138
		<code>\@ehd</code> 14879
		<code>\@eightcol@footgroupv@r</code> 10089
		<code>\@eightcolLTRfootfmt</code> . 10115, 10136, 10164
		<code>\@eightcolLTRfootnotetext</code> 10084, 10108
		<code>\@eightcolRTLfootfmt</code> . 10125, 10139, 10176
		<code>\@eightcolRTLfootnotetext</code> 10085, 10118



\@eightcolfootfmt .	7632, 8288, 8340,	17218,	17271,
. 10105, 10133, 10151	8775, 8816, 8817,	17276,	17283,
\@eightcolfootnotetext	8818, 8819, 8850,	17289,	17313,
..... 10083, 10098	8851, 8852, 8853,	17355,	17356,
\@elt 2792, 2795,	8913, 8914, 8915,	17357,	17358,
5063, 5064, 5065,	8916, 8949, 8950,	17359,	17360,
5066, 5067, 5068,	8951, 8952, 9046,	17361,	17362,
5069, 5070, 5071,	9057, 9073, 9077,	17363,	17364,
5072, 5073, 5074,	10582, 10594,	17365,	17366,
5104, 5105, 5106,	10606, 10637,	17384,	17388,
5107, 5108, 5109,	10656, 10670,	17396,	17402,
5110, 5111, 5112,	10740, 10883,	17414,	17438,
5113, 5114, 5115,	10916, 10917,	17468,	17493,
5116, 5117, 5118,	10918, 10919,	17494,	17767,
5119, 5120, 5121,	10950, 10951,	17820,	17825,
7275, 8227, 8248,	10952, 10953,	17832,	17838,
8254, 8289, 8291,	11046, 11082,	17862,	17904,
8293, 8299, 8311,	11633, 11715,	17905,	17906,
8341, 8343, 8345,	11915, 11964,	17907,	17908,
8351, 19159, 19161	12002, 12105,	17909,	17910,
\@email .. 2456, 8089, 8187	12120, 12121,	17911,	17912,
\@empty .. 86, 115, 134,	12122, 12123,	17913,	17914,
136, 289, 404, 441,	12124, 12717,	17915,	17933,
442, 443, 444, 477,	12732, 12747,	17937,	17945,
478, 479, 480, 580,	12806, 12844,	17951,	17963,
715, 781, 782, 783,	12877, 12908,	18017,	18048,
784, 826, 827, 828,	12939, 13250,	18073,	18074,
829, 978, 1033,	13316, 13337,	18340,	18368,
1034, 1035, 1036,	13379, 13592,	18369,	18370,
1078, 1079, 1080,	13598, 13621,	18371,	18372,
1081, 1228, 1283,	13625, 13627,	18373,	18374,
1284, 1285, 1286,	13983, 14008,	18375,	18379,
1328, 1329, 1330,	14757, 14758,	18385,	18391,
1331, 1743, 1922,	14759, 14760,	18397,	18403,
1998, 1999, 2000,	14919, 15019,	18409,	18415,
2001, 2259, 2571,	15517, 16012,	18421,	18427,
2580, 2680, 2704,	16267, 16333,	18436,	18466,
3891, 4300, 4313,	16334, 16335,	18519,	18524,
4314, 4320, 4343,	16336, 16378,	18531,	18537,
4373, 4381, 4400,	16379, 16380,	18561,	18603,
4403, 4414, 4418,	16381, 16474,	18604,	18605,
4428, 4434, 4435,	16475, 16476,	18606,	18607,
4436, 4449, 4461,	16477, 16521,	18608,	18609,
4465, 4532, 4543,	16522, 16523,	18610,	18611,
5426, 5445, 5464,	16524, 16661,	18612,	18613,
5485, 5492, 6080,	16724, 16725,	18614,	18632,
6147, 6148, 6149,	16726, 16727,	18636,	18644,
6716, 6791, 6792,	16765, 16766,	18650,	18662,
6793, 6794, 6904,	16767, 16768,	18700,	18731,
6968, 6969, 6970,	16855, 16911,	18756,	18757,
6971, 7057, 7058,	16912, 16913,	19029,	19146,
7059, 7060, 7093,	16914, 16947,	19194,	19390,
7094, 7095, 7096,	16948, 16949,	19690,	19692,
7213, 7239, 7569,	16950, 17058,	20881,	20884,



20924, 20927,	17385, 17820,	11197, 11901,
21080, 21290,	17821, 17909,	11950, 14909,
21299, 21388,	17933, 17934,	15009, 21378, 21425
21435, 21700,	18519, 18520,	\@firstcolumntrue .
21701, 21703, 21704	18608, 18632, 18633	7577, 7640, 7947,
\@emptycol 7953,	\@familyname	11053, 11090,
7956, 7972, 7975	2389, 2391, 2392,	11161, 11925,
\@emptytoks 7238	2450, 8064, 8154, 8175	11974, 14968,
\@end@tempboxa 12147,	\@familynamecolour	15068, 21396, 21443
12241, 12258, 21192	..... 2419, 2436	\@firstdetailselementfalse
\@endfloatbox 2324	\@fax 2455, 8088, 8186	..... 8169
\@endmodernpoem 6574, 6594	\@fcolmadefalse .. 12003	\@firstdetailselementtrue
\@endparenv 6484,	\@ff@do@allframes .	..... 8166
6591, 15564, 15584	..... 11182, 11187	\@firstfooterelementfalse
\@endparpenalty 2117,	\@ff@fbox 11265	.... 8085, 8086,
2126, 11117, 11131	\@ff@setoffset ... 11262	8087, 8088, 8089, 8090
\@endpbox	\@ffbackground ... 11252	\@firstfooterelementtrue
1415, 1416, 1457,	\@filebordercolor .	..... 8070
1481, 1482, 1483,	..... 13018, 13020	\@firstname
7346, 7347, 7348,	\@filecolor 13036	2389, 2391, 2392,
13954, 13960,	\@filef@und 4133	2449, 8064, 8154, 8175
19106, 19144, 21288	\@finalstrut ... 9141,	\@firstnamecolour .
\@endpetrue . 21034, 21044	9147, 9153, 11493,	..... 2418, 2435
\@endtraditionalpoem	11510, 11526,	\@firstofone ... 3524,
..... 6465, 6530	11553, 11567, 11581	3531, 3539, 3550,
\@ensure@LR . 15954, 21054	\@firstampfalse 1437, 1445	3564, 3570, 3580,
\@ensure@LTR .. 15952,	\@firstcolfirstmark	3586, 4586, 11210,
15954, 15962,	..... 7568,	11228, 11232,
21052, 21054,	7569, 7573, 7631,	11235, 11238,
21062, 21064,	7632, 7636, 11045,	11244, 13142,
21066, 21927, 21929	11046, 11050,	13143, 13144,
\@ensure@RL . 15953, 21053	11081, 11082,	13145, 14883,
\@ensure@RTL .. 15951,	11086, 11914,	17593, 18173,
15953, 21051, 21053	11915, 11919,	18856, 21675,
\@ensure@dir .. 15955,	11963, 11964,	21717, 21729,
15956, 21055, 21056	11968, 14918,	21732, 21734,
\@ensure@maindir ..	14919, 14923,	21741, 21745, 21751
..... 15956, 21056	15018, 15019,	\@firstoftwo ... 1539,
\@enumctr 5935, 5936	15023, 21387,	1545, 1551, 2801,
\@eqnnum	21388, 21392,	2809, 2813, 2821,
. 11138, 13333, 21769	21434, 21435, 21439	2825, 2833, 2839,
\@evenfoot	\@firstcoltopmark .	2843, 2856, 2864,
. 1962, 11173, 21693	.... 7566, 7574,	2870, 2874, 2882,
\@evenhead . 11172, 21693	7629, 7637, 11043,	2888, 2891, 2894,
\@expandtwoargs ... 4419	11051, 11079,	2908, 2915, 3299,
\@extrafootnotefeaturesfalse	11087, 11912,	3317, 3323, 3347,
..... 1722	11920, 11961,	3374, 3404, 3464,
\@extrafootnotefeaturestrue	11969, 14916,	3474, 4124, 15498
..... 1720	14924, 15016,	\@fivecol@footgroupv@r
\@extrainfo	15024, 21385,	..... 9762
... 2457, 8090, 8188	21393, 21432, 21440	\@fivecolLTRfootfmt
\@extratitle	\@firstcolumnfalse	... 9788, 9809, 9837
.. 17271, 17272,	7559, 7622, 7992,	\@fivecolLTRfootnotetext
17360, 17384,	11037, 11073,	..... 9757, 9781



<code>\@fivecolRTLfootfmt</code>	151, 152, 153, 237,	<code>\@fpsadddefault</code>	2257, 2260
... 9798, 9812, 9849	282, 2189, 2311,	<code>\@freelist</code>	... 2272,
<code>\@fivecolRTLfootnotetext</code>	5559, 5631, 5638,	5063, 5104, 5219,	
... 9758, 9791	6382, 6393, 6599,	5220, 5263, 5264,	
<code>\@fivecolfootfmt</code>	6613, 8207, 8208,	5307, 5308, 10739,	
... 9778, 9806, 9824	9096, 9110, 9111,	12104, 21534,	
<code>\@fivecolfootnotetext</code>	9155, 9230, 9238,	21535, 21578,	
... 9756, 9771	9435, 9544, 9647,	21579, 21611, 21612	
<code>\@float</code>	9756, 9865, 9974,	<code>\@fs@capt</code>	5152, 5165, 5173
... 4809, 5138	10083, 10192,	<code>\@fs@cfont</code>	... 5145,
<code>\@floatboxreset</code>	10301, 10460,	5151, 5161, 5164,	
... 2322	10515, 10517,	5172, 11142, 11143	
<code>\@floatpenalty</code>	11480, 11537,	<code>\@fs@iftopcapt</code>	...
... 2265,	11596, 12628,	... 5156, 5169, 5182	
2267, 2270, 5211,	12636, 12707,	<code>\@fs@mid</code>	5155, 5168, 5180
5213, 5217, 5221,	12755, 12948,	<code>\@fs@post</code>	5154, 5167, 5181
5255, 5257, 5261,	12952, 12968,	<code>\@fs@pre</code>	5153, 5166, 5174
5265, 5299, 5301,	12969, 14016,	<code>\@g@tnextcol</code>	... 11159
5305, 5309, 21526,	14163, 15284,	<code>\@getcirc</code>	... 11003
21528, 21532,	15286, 15287,	<code>\@gnewline</code>	... 16056,
21536, 21570,	17200, 17203,	16069, 16082, 16093	
21572, 21576, 21580	17518, 17519,	<code>\@gobble</code>	... 2169, 2679,
<code>\@fltovf</code>	17529, 17749,	2703, 2725, 2730,	
... 2305, 5222, 5266,	17752, 18098,	3427, 3428, 3429,	
5310, 21537, 21581	18099, 18109,	3430, 3431, 3526,	
<code>\@flushglue</code>	18448, 18451,	3541, 3556, 3602,	
... 6367, 6368,	18781, 18782,	3616, 3628, 3640,	
14113, 16823,	18792, 19174,	4330, 4465, 4642,	
20048, 20052,	19191, 19281, 19283	6202, 6267, 11220,	
20056, 20102, 21230	<code>\@footstartv@l</code>	11221, 11222,	
<code>\@fnsymbol</code>	... 9318, 10475, 10533	14880, 17519,	
... 453, 745,	<code>\@footstartv@r</code>	17521, 17523,	
804, 997, 1056,	... 9322, 10468, 10526	18099, 18101,	
1247, 1306, 1986,	<code>\@for</code>	18103, 18782,	
6755, 6932, 7069,	... 4341,	18784, 18786,	
8828, 8925, 10928,	4402, 4415, 4437,	20885, 20928,	
16297, 16356,	4441, 5427, 5432,	21710, 21711, 21712	
16436, 16497,	5446, 5451, 5465,	<code>\@gobbletwo</code>	...
16693, 16736,	5470, 5493, 5502, 7537	2750, 2751, 2754,	
16923, 17268,	<code>\@fourcol@footgroupv@r</code>	2755, 3660, 13396	
17332, 17817,	... 9653	<code>\@gtempa</code>	... 2932, 2933
17881, 18516, 18580	<code>\@fourcolLTRfootfmt</code>	<code>\@halignto</code>	... 393,
<code>\@footgroupv@r</code>	... 9679, 9700, 9728	408, 19104, 19142,	
... 9323, 9412,	<code>\@fourcolLTRfootnotetext</code>	21080, 21286, 21299	
9441, 9550, 9653,	... 9648, 9672	<code>\@hangfrom</code>	... 17546,
9762, 9871, 9980,	<code>\@fourcolRTLfootfmt</code>	17558, 17560,	
10089, 10198,	... 9689, 9703, 9740	18126, 18138,	
10307, 10467, 10525	<code>\@fourcolRTLfootnotetext</code>	18140, 18809,	
<code>\@footnote</code>	... 9649, 9682	18821, 18823, 21254	
... 6029	<code>\@fourcolfootfmt</code>	<code>\@hboxRconstructfalse</code>	...
<code>\@footnotemark</code>	... 9669, 9697, 9715	... 15920, 21000	
... 2232,	<code>\@fourcolfootnotetext</code>	<code>\@hboxRconstructtrue</code>	...
2240, 2248, 5538,	... 9647, 9662	404, 15910, 19111,	
5631, 5638, 5660,	<code>\@fps</code>	19150, 20990, 21295	
5667, 5689, 5696,	... 2253,		
6512, 6519, 6526,	2254, 2256, 2259, 2276		
11454, 11460,			
11463, 11469,			
12758, 12947,			
12951, 12965, 12966			
<code>\@footnotetext</code>	34, 79,		



<code>\@height</code>	388,	21806, 21807,	21847, 21848,
1495, 7360, 7835,		21835, 21921, 21922	21849, 21850,
11844, 13968,		<code>\@ifdefinable</code> . .	21851, 21852,
14021, 14133,		2920, 2923, 2926, 2935,	21853, 21854,
17246, 17253,		3177, 3192, 11377	21855, 21856,
17795, 17802,		<code>\@ifdefinitionfileloaded</code>	21857, 21858,
18494, 18501,		. . . . .	21859, 21860,
19071, 19099,		2740, 21923	21861, 21862,
19140, 21281, 21650		<code>\@ifempty</code> . .	21863, 21864,
<code>\@highpenalty</code> . .	6661,	7, 202, 13295	21865, 21866,
6677, 6684, 6694,		<code>\@ifl@aded</code> 2739, 2740, 2741	21867, 21868,
6838, 6854, 6861,		<code>\@ifnextchar</code> . . .	21869, 21870,
6871, 7125, 7140,		163, 405, 2137, 2167,	21871, 21872,
7150, 8981, 10816,		2182, 3167, 4217,	21873, 21876,
10831, 10841,		4218, 4262, 4263,	21877, 21878,
16207, 16223,		4307, 5224, 5268,	21879, 21902,
16230, 16240,		5312, 7373, 7388,	21903, 21904,
16579, 16595,		11452, 11461,	21905, 21906,
16602, 16612,		11620, 11635,	21907, 21908,
16795, 16809,		11653, 11659,	21909, 21910,
16819, 16979,		12213, 12955,	21911, 21912,
16994, 17004,		12979, 15299,	21913, 21914,
19472, 19507,		15568, 15588,	21915, 21916,
19896, 19916, 20004		20878, 20921,	21917, 21918,
<code>\@hintcolour</code> . .	2426, 2442	21105, 21539, 21583	21919, 21920,
<code>\@holdpg</code>		<code>\@ifpackagelater</code> . .	21921, 21922, 21924
7695, 7712, 7715,		. . . . .	<code>\@ifpackagewith</code> . . .
7732, 7823, 7856, 7858		4626, 4631, 11323	. . . 7514, 13526,
<code>\@hyper@launch</code> . . .	13041	<code>\@ifpackageloaded</code> .	13529, 16141,
<code>\@idxitem</code> 102, 107, 222,		. . . . .	16144, 19401,
227, 603, 618, 867,		170,	21821, 21824,
1119, 5993, 6000,		1454, 3360, 4290,	21825, 21826,
6636, 6813, 7024,		4350, 4585, 4603,	21880, 21890, 21896
13267, 13272,		4625, 4630, 5131,	<code>\@ifstar</code>
16164, 16419,		5136, 5189, 8680,	3284,
16879, 19452, 21779		8681, 9417, 10425,	4216, 4261, 4303,
<code>\@ifclasslater</code> 4628, 4633		12752, 12772,	4395, 4981, 8684,
<code>\@ifclassloaded</code> . . .		12850, 13149,	9245, 9448, 9557,
.	4248, 4627,	13614, 13739,	9660, 9769, 9878,
4632, 4662, 6042,		13996, 14859,	9987, 10096,
6044, 7026, 9247,		17601, 18181,	10205, 10314,
11274, 11287,		18864, 19376,	10509, 10571, 12216
21782, 21783,		21081, 21768,	<code>\@iftagsloaded</code>
21784, 21785,		21781, 21794,	. 2739, 21809, 21810
21786, 21787,		21804, 21808,	<code>\@iftexfileloaded</code> .
21788, 21789,		21812, 21816,	. 2741, 21874, 21875
21790, 21791,		21817, 21818,	<code>\@ifundefined</code> . .
21792, 21793,		21819, 21820,	330,
21794, 21795,		21827, 21828,	331, 2546, 2760,
21796, 21797,		21829, 21830,	2763, 2768, 2771,
21798, 21799,		21831, 21832,	2776, 2779, 2784,
21800, 21801,		21833, 21834,	2787, 4205, 4209,
21802, 21803,		21835, 21836,	4359, 4452, 5373,
21804, 21805,		21837, 21838,	5856, 5864, 5979,
		21839, 21840,	5981, 5986, 6076,
		21841, 21842,	6093, 7375, 7382,
		21843, 21844,	
		21845, 21846,	



7390, 7396, 11145,	16863, 17066,	14898, 17587,
11370, 13152,	17476, 17483,	18167, 18850, 21754
13153, 13550,	18056, 18063,	\@makechapterhead .
13561, 13624,	18739, 18746, 19398	..... 301, 6978,
13626, 13631,	\@latex@warning@no@line	7173, 9005, 10844,
15676, 16138,	.. 7951, 7969, 21626	16039, 17027, 19417
19691, 19695,	\@latexbug 21612	\@makecol 10807, 10808,
19771, 19793,	\@latexerr	12027, 12037,
19794, 19842,	. 12041, 12051, 12061	14041, 14053, 21471
19843, 19926,	\@leftcolumn ... 7560,	\@makefnmark ... 454,
19948, 19949,	7586, 7623, 7645,	805, 1307, 1987,
20177, 20200,	7698, 7703, 11038,	5534, 5545, 7070,
20228, 20288,	11059, 11074,	8212, 8233, 8829,
20337, 20354, 20384	11095, 11902,	8926, 10929,
\@ifundefinedmodel	11930, 11951,	13282, 14764,
..... 20911, 20945	11983, 14910,	16357, 16498,
\@ifxempty 20971	14969, 14982,	16694, 16737,
\@ignoretrue 7260	15010, 15069,	16924, 17269,
\@iiiminipage 11583	15078, 21379,	17270, 17333,
\@iiiparbox	21405, 21426, 21448	17334, 17818,
. 9396, 11614, 21163	\@let@token ... 2716, 2719	17819, 17882,
\@indextitlestyle .	\@lettrine 13359	17883, 18517,
.... 100, 220, 13265	\@listI 4679	18518, 18581, 18582
\@inlabelfalse 7227	\@listdepth ... 11436,	\@makefntext 45,
\@insertfalse 7680	11599, 11868,	59, 75, 248, 262,
\@inserttrue 7946	11872, 13493,	277, 455, 742, 807,
\@iprintcites 16048	21117, 21120, 21125	994, 1057, 1244,
\@itemfudge . 21660, 21662	\@listi .. 4679, 4687, 5897	1309, 1988, 5532,
\@itemlabel 21126	\@loadwithoptions .	5571, 5589, 5607,
\@ixpt 5893	... 4140, 4142, 4149	6752, 6929, 7071,
\@keywords 324	\@lowertitleback ..	8830, 8927, 10930,
\@kludgeins ... 10743,	..... 17310,	11492, 11509,
12107, 15397, 15412	17365, 17859,	11525, 11552,
\@komalongtablefalse	17914, 18558, 18613	11566, 11580,
. 17601, 18181, 18864	\@lowpenalty . 2113, 20427	12125, 14766,
\@lastchclass .. 353,	\@m 93, 296, 586, 718, 981,	16294, 16359,
354, 355, 356, 358,	1231, 6719, 6907,	16433, 16500,
1378, 1379, 1380,	7219, 8778, 9052,	16696, 16739,
1381, 1383, 1422,	10886, 11903,	16925, 17216,
1423, 1435, 1443,	11905, 11952,	17765, 18339, 18464
19229, 19230,	11954, 13257,	\@makeother 3283,
19231, 19232,	15497, 16270,	3329, 3438, 3446
19234, 21300, 21301	16664, 16861,	\@makeschapterhead
\@lastvipertrue 7958, 7977	17064, 17472,	6632, 6809, 6998,
\@latex@error	18052, 18735, 19396	7019, 7187, 9020,
.... 2658, 4324,	\@mainmatterfalse .	10856, 16160,
14879, 15132, 15138	..... 6229,	16415, 16874,
\@latex@warning ...	6259, 7201, 9034	17039, 19423, 19428
... 95, 298, 588,	\@mainmattertrue ..	\@makespecialcolbox
720, 983, 1233,	..... 6226, 6242	..... 10744, 12108
2576, 6721, 6909,	\@makecaption	\@maketitle 120,
7221, 8780, 9054,	.... 4976, 7321,	316, 320, 460, 462,
10888, 13259,	14816, 14866,	467, 476, 486,
16272, 16666,		811, 813, 818,



825, 835, 1063, 1065, 1070, 1077, 1087, 1313, 1315, 1320, 1327, 1337, 1991, 1997, 7076, 7078, 7083, 7092, 7102, 8835, 8837, 8842, 8849, 8859, 8932, 8934, 8939, 8948, 8958, 10935, 10937, 10942, 10949, 10959, 13321, 14769, 14771, 14778, 16363, 16365, 16370, 16377, 16387, 16504, 16506, 16511, 16520, 16530, 16748, 16750, 16755, 16764, 16774, 16930, 16932, 16937, 16946, 16956, 17337, 17339, 17344, 17354, 17379, 17886, 17888, 17893, 17903, 17928, 18585, 18587, 18592, 18602, 18627	10806, 12118, 21476, 21492, 21503 \@mentempa ... 14816, 14818, 14832, 14839, 14843, 14848 \@menubordercolor 13112, 13114 \@menucolor 13123 \@midlist 10739, 10740, 12104, 12105 \@minipagefalse 2326, 5241, 5250, 5285, 5294, 5329, 5338, 9393, 11611, 13583, 14872, 17577, 18157, 18840, 21556, 21565, 21600, 21609, 21760 \@minipagerestore 11600 \@minipagetrue 5249, 5293, 5337, 21564, 21608 \@minus 2493, 2579, 4675, 4677, 4684, 4686, 4688, 4689, 5894, 5896, 5898, 5899, 11782, 11820, 15494, 17700, 17710, 17720, 17730, 17740, 18289, 18299, 18309, 18319, 18329, 18972, 18982, 18992, 19002, 19012, 19036 \@mkboth 571, 599, 615, 706, 864, 969, 1116, 1219, 6633, 6707, 6810, 6895, 7020, 7204, 8766, 9037, 10874, 16161, 16258, 16416, 16652, 16846, 16875, 17049 \@mklab 21127 \@mkpream . 392, 13973, 19102, 19134, 21284 \@mobile . 2453, 8086, 8184 \@modernpoem .. 6550, 6594 \@mplTRfootnotetext 9100, 9118, 9119, 9208, 9234, 9242, 9443, 9552, 9655,	9764, 9873, 9982, 10091, 10200, 10309, 10478, 10540, 11555, 11597, 12658, 12673, 12696, 12760, 14164, 19284 \@mpRTLfootnotetext 9101, 9120, 9121, 9219, 9235, 9243, 9444, 9553, 9656, 9765, 9874, 9983, 10092, 10201, 10310, 10479, 10541, 11541, 11598, 12647, 12672, 12685, 12761, 14165, 19285 \@mparbottom 21622, 21630, 21631, 21632, 21633 \@mpargs 9396, 11589, 11614 \@mparswitchfalse . 4658 \@mparswitchtrue .. 4653 \@mpeightcol@footgroupv@r 10095 \@mpeightcolLTRfootnotetext 10091, 10154 \@mpeightcolRTLfootnotetext 10092, 10167 \@mpeightcolfootnotetext 10090, 10142 \@mpfivecol@footgroupv@r 9768 \@mpfivecolLTRfootnotetext 9764, 9827 \@mpfivecolRTLfootnotetext 9765, 9840 \@mpfivecolfootnotetext 9763, 9815 \@mpfn 2207, 2210, 2213, 2229, 2237, 2245, 5629, 5635, 5658, 5664, 5687, 5693, 6489, 6492, 6495, 6509, 6516, 6523, 11452, 11457, 11461, 11466, 11595, 11625, 11640, 12633, 12644, 12655, 12855, 12886, 12917, 12980, 14160, 19216, 19223
\@maketitle@hook 118, 13319 \@makewincaption . 15767 \@marbox 5220, 5222, 5226, 5230, 5231, 5264, 5266, 5270, 5274, 5275, 5308, 5310, 5314, 5318, 5319, 21535, 21537, 21541, 21545, 21546, 21579, 21581, 21585, 21589, 21590, 21611, 21621, 21624, 21632, 21634, 21635, 21637, 21638, 21639, 21648, 21652, 21653 \@mathmargin ... 8636, 8643, 8651, 8658 \@maxdepth 9313, 10755, 10770, 10793,		



\@mpfootins	\@mpfourcolRTLfootnotetext	\@mpthreecolfootnotetext
9198, 9199, 9209,	9656, 9731	9551, 9600
9210, 9220, 9221,	\@mpfourcolfootnotetext	\@mptwocol@footgroupv@r
9357, 9365, 9373,	9654, 9706	9447
9383, 9387, 9390,	\@mplistdepth 11436, 11599	\@mptwocolLTRfootnotetext
11543, 11544,	\@mpninecol@footgroupv@r	9443, 9506
11557, 11558,	10204	\@mptwocolRTLfootnotetext
11571, 11572,	\@mpninecolLTRfootnotetext	9444, 9519
11605, 11606,	10200, 10263	\@mptwocolfootnotetext
11609, 14149, 14154	\@mpninecolRTLfootnotetext	9442, 9494
\@mpfootinsv@l . 9355,	10201, 10276	\@namedef . 4209, 4360,
9371, 9414, 10634,	\@mpninecolfootnotetext	6547, 9398, 9433,
10643, 10655, 10658	10199, 10251	9532, 9537, 9542,
\@mpfootinsv@r . 9354,	\@mppara@LTRfootgroupv@l	9635, 9640, 9645,
9413, 9495, 9496,	10484, 10546	9744, 9749, 9754,
9507, 9508, 9520,	\@mppara@footgroupv@r	9853, 9858, 9863,
9521, 9601, 9602,	10483, 10545	9962, 9967, 9972,
9612, 9613, 9624,	\@mpparaLTRfootnotetext	10071, 10076,
9625, 9707, 9708,	10478, 10540, 10654	10081, 10180,
9719, 9720, 9732,	\@mpparaRTLfootnotetext	10185, 10190,
9733, 9816, 9817,	10479, 10668	10289, 10294,
9828, 9829, 9841,	\@mpparafootnotetext	10299, 10398,
9842, 9925, 9926,	10477, 10538, 10629	10403, 10458,
9937, 9938, 9950,	\@mpsevenscol@footgroupv@r	10512, 10683,
9951, 10034,	9986	10693, 10703,
10035, 10046,	\@mpsevenscolLTRfootnotetext	10712, 10721,
10047, 10059,	9982, 10045	10733, 14087,
10060, 10143,	\@mpsevenscolRTLfootnotetext	19706, 19745,
10144, 10155,	9983, 10058	19746, 19747,
10156, 10168,	\@mpsevenscolfootnotetext	19748, 19749,
10169, 10252,	9981, 10033	19750, 19751,
10253, 10264,	\@mpsixcol@footgroupv@r	19752, 19753,
10265, 10277,	9877	19754, 19772,
10278, 10361,	\@mpsixcolLTRfootnotetext	19773, 19774,
10362, 10373,	9873, 9936	19775, 19776,
10374, 10386,	\@mpsixcolRTLfootnotetext	19777, 19778,
10387, 10632,	9874, 9949	19779, 19780,
10641, 10669, 10672	\@mpsixcolfootnotetext	19795, 19796,
\@mpfootnotetext . .	9872, 9924	19797, 19798,
9099, 9116, 9117,	\@mptencol@footgroupv@r	19800, 19801,
9197, 9233, 9241,	10313	19803, 19806,
9442, 9551, 9654,	\@mptencolLTRfootnotetext	19809, 19817,
9763, 9872, 9981,	10309, 10372	19818, 19820,
10090, 10199,	\@mptencolRTLfootnotetext	19823, 19826,
10308, 10477,	10310, 10385	19839, 19844,
10536, 10538,	\@mptencolfootnotetext	19845, 19846,
11569, 11596,	10308, 10360	19848, 19849,
12636, 12671,	\@mpthreecol@footgroupv@r	19851, 19854,
12674, 12759,	9556	19857, 19865,
14163, 19281, 19283	\@mpthreecolLTRfootnotetext	19866, 19868,
\@mpfourcol@footgroupv@r	9552, 9611	19871, 19874,
9659	\@mpthreecolRTLfootnotetext	19886, 19927,
\@mpfourcolLTRfootnotetext	9553, 9623	19928, 19929,
9655, 9718		19930, 19931,



19932,	19933,	17998,	18006,	13565,	13975,
19934,	19935,	19435,	19707,	14768,	14845,
19950,	19951,	19708,	19709,	15108,	15567,
19952,	19953,	19712,	19715,	15587,	16362,
19955,	19956,	19720,	19721,	16503,	16700,
19958,	19961,	19726,	19730,	16743,	16747,
19964,	19972,	19731,	19733,	16929,	17222,
19973,	19975,	19734,	19736,	17336,	17771,
19978,	19981,	19737,	19739,	17885,	18344,
19994,	20178,	19740,	19742,	18470,	18584,
20179,	20180,	19743,	19750,	19164,	19168,
20181,	20182,	19755,	19756,	19229,	19238,
20183,	20184,	19839,	19886,	19245,	19547,
20185,	20186,	19890,	19891,	19890,	19891,
20225,	20229,	19903,	19910,	19998,	19999,
20230,	20231,	19911,	19994,	20172,	20827,
20232,	20234,	19998,	19999,	20974,	21120,
20235,	20237,	20018,	20033,	21161,	21196,
20240,	20243,	20036,	20038,	21198,	21199,
20251,	20252,	20041,	20044,	21200,	21205,
20254,	20257,	20061,	20062,	21207,	21208,
20260,	20285,	20064,	20065,	21209,	21214,
20289,	20290,	20075,	20077,	21216,	21217,
20291,	20293,	20079,	20080,	21218,	21223,
20294,	20296,	20082,	20084,	21225,	21226,
20299,	20302,	20085,	20094,	21227,	21303,
20310,	20311,	20096,	20100,	21305,	21348, 21612
20313,	20316,	20101,	20105,	\@newlistfalse	
20319,	20339,	20109,	20111,	. . . . . 11209, 21673	
20342,	20346,	20112,	20172,	\@next 2272,	
20386,	20389, 20393	20205,	20212,	5219, 5220, 5263,	
\@nameuse 4206,		20217,	20218,	5264, 5307, 5308,	
6545, 8566, 8616,		20225,	20278,	21534, 21535,	
8619, 8665, 9534,		20285,	20356,	21578, 21579, 21611	
9535, 9539, 9540,		20913,	20947, 21684	\@nextchar 359,	
9637, 9638, 9642,		\@ne 137, 142,		361, 362, 363,	
9643, 9746, 9747,		353, 362, 365, 459,		365, 366, 367, 368,	
9751, 9752, 9855,		810, 1062, 1312,		369, 372, 373, 374,	
9856, 9860, 9861,		1378, 1387, 1390,		1384, 1386, 1387,	
9964, 9965, 9969,		1391, 1392, 1425,		1388, 1390, 1391,	
9970,	10073,	1428, 1429, 1430,		1392, 1393, 1394,	
10074,	10078,	1780, 1785, 1786,		1395, 1396, 1399,	
10079,	10182,	1787, 2282, 2584,		1400, 1401, 1413,	
10183,	10187,	2612, 2647, 2948,		1415, 1416, 1481,	
10188,	10291,	3002, 3056, 3783,		1482, 1483, 7346,	
10292,	10296,	3942, 4013, 4074,		7347, 7348, 19235,	
10297,	10400,	4567, 4576, 7075,		19237, 19238,	
10401,	10405,	7525, 8834, 8931,		19239, 19240,	
10406,	10684,	10934, 11542,		19241, 19242,	
10690,	10694,	11556, 11570,		19243, 19245,	
10700,	10704,	11882, 12988,		19246, 19247,	
10709,	10713,	12989, 12994,		19248, 19249,	
10718,	11165,	13482, 13538,		19252, 19253, 19254	
17974,	17990,	13545, 13554,		\@nil 1466,	



1467, 1469, 1470, 7335, 8255, 8312, 13155, 13164, 13166, 13178, 19350	\@ninecol@footgroupv@r 10198	\@normalRTLfootfmt ... 9143, 9180, 9228	11926, 11936, 11951, 11958, 11959, 11975, 11987, 12026, 12038, 12072, 12074, 12085, 12110, 12113, 12114, 14059, 14061, 14063, 14910, 14913, 14914, 14944, 14969, 14972, 14974, 14986, 15010, 15013, 15014, 15044, 15069, 15072, 15074, 15084, 15633, 15636, 15641, 21379, 21382, 21383, 21397, 21409, 21426, 21429, 21430, 21444, 21454, 21473, 21475, 21489, 21491, 21502, 21731
\@ninecolLTRfootfmt . 10224, 10245, 10273	\@ninecolLTRfootnotetext 10193, 10217	\@nx 124, 125, 334, 13325, 13326	\@outputdblcol 11156, 21467, 21468, 21469
\@ninecolRTLfootfmt . 10234, 10248, 10285	\@ninecolRTLfootnotetext 10194, 10227	\@nxtcol 11157, 11159, 11200	\@outputpage ... 7603, 7607, 7662, 7666, 11066, 11069, 11104, 11108, 11184, 11188, 11193, 11204, 11939, 11943, 11992, 11996, 14042, 14054, 14992, 14997, 15089, 15094, 15625, 15626, 21414, 21418, 21457, 21461, 21668
\@ninecolfootfmt .. . 10214, 10242, 10260	\@ninecolfootnotetext 10192, 10207	\@oddfoot 1957, 11170, 11177, 21687, 21704	\@ovbtrue 10992
\@ninecolfootnotetext 10192, 10207	\@nmbriistfalse .. 21128	\@oddhead 11169, 11176, 21687, 21703	\@ovdx 11005, 11013
\@nobreakfalse . 520, 672, 916, 1155, 6671, 6848, 7135, 8990, 10826, 16217, 16589, 16804, 16989, 19494, 19498, 20026	\@nobreaktrue .. 519, 671, 915, 1154, 6670, 6847, 7134, 8989, 10825, 16216, 16588, 16803, 16988, 19493, 19497, 20025	\@oldmakefnmark 17269, 17270, 17333, 17334, 17818, 17819, 17882, 17883, 18517, 18518, 18581, 18582	\@ovdy 11006, 11014
\@nobreaktrue .. 519, 671, 915, 1154, 6670, 6847, 7134, 8989, 10825, 16216, 16588, 16803, 16988, 19493, 19497, 20025	\@nocnterr 331	\@onefilewithoptions ... 4156, 4157, 4164	\@ovhorz ... 11011, 11012
\@nocounterr 330	\@nodocument 2251	\@onelevel@sanitize 2254	\@ovltrue 10992
\@noitemerr 95, 298, 587, 719, 982, 1232, 2576, 6720, 6908, 7220, 8779, 9053, 10887, 13259, 15504, 16271, 16665, 16862, 17065, 17475, 17482, 18055, 18062, 18738, 18745, 19397	\@noitemerr 95, 298, 587, 719, 982, 1232, 2576, 6720, 6908, 7220, 8779, 9053, 10887, 13259, 15504, 16271, 16665, 16862, 17065, 17475, 17482, 18055, 18062, 18738, 18745, 19397	\@onlypreamble 1661, 4379, 4389, 4393, 10574	\@ovri 11004
\@nonlatinfalse 1566, 1684, 13572, 13616	\@nonlatintrue . 1567, 1686, 13572, 13616	\@openbib@code 578, 713, 976, 1226, 2569, 2580, 6714, 6902, 7211, 8773, 9044, 10881, 16265, 16659, 16853, 17056, 17458, 18038, 18721, 19388	\@ovro 11004, 11013, 11014
\@normalLTRfootfmt ... 9149, 9194, 9217	\@normalLTRfootfmt ... 9149, 9194, 9217	\@otarlinesep 19124, 19130	\@ovrtrue 10992
		\@outerparskip 6588	\@ovttrue 10992
		\@outputbox 7560, 7563, 7564, 7578, 7590, 7595, 7597, 7623, 7626, 7627, 7641, 7651, 7654, 7656, 9312, 9314, 10746, 10748, 10749, 10754, 10769, 10771, 10785, 10796, 11038, 11041, 11054, 11063, 11074, 11077, 11091, 11101, 11182, 11187, 11234, 11902, 11909, 11910,	\@ovvert ... 11009, 11010
			\@ovvxx 10994, 10995, 10998,



11005, 11010, 11011, 11015, 11016	\@parboxto . 21182, 21189	16603, 16796,
\@ovvyy . . . 10996, 10997, 10998, 11006, 11012	\@parmoderr 2270, 5216, 5260, 5304, 21531, 21575	16810, 16878, 16980, 16995, 17244, 17251,
\@pagedp . . . 21640, 21650	\@part 550, 8737	17275, 17298,
\@pageht 7684, 7690, 21623, 21630	\@pboxswfalse 11585, 21165	17316, 17387,
\@par 20115	\@pboxswtrue 21187	17412, 17500,
\@para@LTRfootgroupv@l 10474, 10532	\@pdfm@mark 12996, 13012, 13046, 13077,	17505, 17658, 17677, 17700, 17701, 17710,
\@para@footgroupv@r 10467, 10525	13106, 13181, 13186, 13197,	17711, 17720, 17721, 17730,
\@para@footstartv@l 10475, 10533	13202, 13213, 13219, 13230, 13236	17740, 17793, 17800, 17824,
\@para@footstartv@r 10468, 10526	\@pdfremotestartview 13027	17847, 17865, 17936, 17961,
\@paraLTRfootfmt . . . 10602, 10621, 10665	\@phone . . 2454, 8087, 8185	18080, 18085,
\@paraLTRfootnotetext . 10461, 10519, 10593	\@photo 2459, 8060, 8062, 8191, 8193	18238, 18257, 18289, 18290,
\@paraRTLfootfmt . . . 10614, 10625, 10679	\@photowidth . . . 2458, 2459, 8062, 8158	18299, 18300, 18309, 18310,
\@paraRTLfootnotetext 10462, 10605	\@pkgextension 4184, 4195, 4259, 4268, 4276, 4279, 4287	18319, 18329, 18492, 18499, 18523, 18546,
\@parafootfmt 10590, 10617, 10651	\@plus 24, 103, 223, 510, 527, 602, 617, 646, 649,	18564, 18635, 18660, 18763, 18768, 18921,
\@parafootnotetext . 10460, 10517, 10575	662, 680, 687, 866, 873, 876, 889, 906, 924, 1118, 1129,	18940, 18972, 18973, 18982, 18983, 18992,
\@parboxrestore 42, 56, 72, 245, 259, 274, 2321, 4970, 5238, 5282, 5326, 7265, 9202, 9213, 9224, 9350, 9499, 9511, 9524, 9605, 9616, 9628, 9711, 9723, 9736, 9820, 9832, 9845, 9929, 9941, 9954, 10038, 10050, 10063, 10147, 10159, 10172, 10256, 10268, 10281, 10365, 10377, 10390, 10646, 10660, 10674, 10688, 10698, 11209, 11487, 11504, 11520, 11548, 11562, 11576, 11594, 14893, 15107, 21179, 21553, 21597, 21674	7126, 7141, 8713, 8727, 8982, 10619, 10623, 10627, 10817, 10832, 11782, 11820, 13268, 13288, 15159, 15171, 15494, 16163, 16192, 16195, 16208, 16224, 16231, 16418, 16564, 16567, 16580, 16596,	20002, 20009, 20005, 20039, 20042, 20339, 20342, 20346, 20434, 20618, 21316
	\@pnumwidth . . . 13, 15, 208, 210, 513, 514, 516, 530, 531, 535, 665, 666, 668, 690, 691, 695, 892, 893, 897, 909, 910, 912, 1148, 1149, 1151, 1174, 1175, 1179, 6665, 6666, 6668, 6688, 6689, 6693, 6842, 6843, 6845, 6865, 6866, 6870, 7129, 7130, 7132, 7144, 7145, 7149,	



7410, 7415, 7416, 8716, 8717, 8721, 8730, 8731, 8733, 8984, 8985, 8987, 10820, 10821, 10823, 10835, 10836, 10840, 13301, 13303, 15179, 16211, 16212, 16214, 16234, 16235, 16239, 16583, 16584, 16586, 16606, 16607, 16611, 16798, 16799, 16801, 16813, 16814, 16818, 16983, 16984, 16986, 16998, 16999, 17003, 19357, 19366, 19368, 19756, 19905, 19906, 19914, 20013, 20014, 20020, 20412, 20525, 20630, 21328	10585, 10597, 10609 \@preamfourfmt . 9692, 9698, 9701, 9704 \@preamninefmt 10237, 10243, 10246, 10249 \@preamnormalfmt 9133, 9138, 9144, 9150 \@preamsevenfmt 10019, 10025, 10028, 10031 \@preamsixfmt . 9910, 9916, 9919, 9922 \@preamtenfmt . 10346, 10352, 10355, 10358 \@preamthreefmt 9586, 9592, 9595, 9598 \@preamtwofmt . 9480, 9486, 9489, 9492 \@printcites 16050 \@pstrickserr 16004 \@ptsize 2357, 2358, 2359, 2360, 2367 \@publisher . . . 6057, 6110 \@publishers 17299, 17363, 17413, 17848, 17912, 17962, 18547, 18611, 18661 \@quote 2460, 8066, 8068, 8195, 8197 \@quotebox 16049 \@quotecolour 2422, 2439, 2549 \@r@m@size 19137 \@raggedtwoe@abdhook . 16124, 16129, 16139 \@raggedtwoe@document@opt . 16123, 16127, 16145 \@raggedtwoe@everyselectfont 16063, 16076, 16089, 16100 \@raggedtwoe@footmisctrue 16126 \@raggedtwoe@gnewline . 16056, 16069, 16082 \@raggedtwoe@raggedrightboxes@opt 16102, 16121, 16125, 16142 \@raggedtwoe@samed@gnewline 16093 \@raggedtwoe@samed@cr 16053, 16066, 16079, 16092 \@raggedtwoe@spaceskipfalse 16099	\@raggedtwoe@spaceskiptrue . 16062, 16075, 16088 \@rc@ifdefinable 2935, 3192 \@reffalse 18367 \@reftrue 18368, 18369, 18370, 18371, 18372, 18373, 18374, 18375 \@regtocline . . . 643, 681, 698, 870, 900, 925, 1126, 1164, 1182, 6643, 6679, 6697, 6820, 6856, 6874, 16189, 16225, 16243, 16561, 16597, 16615 \@rememsize . 19134, 19137 \@removefromreset 15513, 15515 \@reqcolroom . . . 7684, 7685, 7686, 7687, 7689, 7690, 7691, 7692, 7693, 7694, 7934 \@resetactivechars 11207, 21671 \@resetdyn@pics . . 11195 \@resetst@tics . . . 11194 \@restonecolfalse 98, 218, 592, 608, 857, 1109, 6626, 6803, 7013, 13263, 16154, 16409, 16868, 19409 \@restonecoltrue 98, 218, 594, 610, 859, 1111, 6628, 6805, 7015, 13263, 16156, 16411, 16870, 19411 \@resumename . . 2392, 2448 \@revlabeltrue . 743, 995, 1245, 6753, 6930, 16295, 16434 yes@optcolumn . 14936, 14941, 14942, 14951, 14952, 14960, 14964, 14970, 15036, 15041, 15042, 15051, 15052, 15060, 15064, 15070 @rightskip . . 14112, 16058, 16059,
\@preamble 393, 394, 404, 406, 1438, 1446, 13979, 19103, 19105, 19112, 19142, 19143, 19151, 21285, 21287, 21296 \@preameightfmt 10128, 10134, 10137, 10140 \@preamerr 375, 1402, 1432, 19255, 21294, 21307 \@preamfivefmt . 9801, 9807, 9810, 9813 \@preamfntext . . 9161, 9175, 9189, 9345, 9453, 9463, 9473, 9562, 9571, 9580, 9665, 9675, 9685, 9774, 9784, 9794, 9883, 9893, 9903, 9992, 10002, 10012, 10101, 10111, 10121, 10210, 10220, 10230, 10319, 10329, 10339,		



16071, 16072,	11103, 11916,	\@spart 8756
16084, 16085,	11918, 11938,	\@specialpagefalse
16095, 16096, 21230	11965, 11967,	..... 11164, 21684
\@rjfieldfalse ... 21658	11991, 14920,	\@specialstyle
\@runbordercolor ..	14922, 14991,	..... 11165, 21684
..... 13052, 13054	15020, 15022,	\@stabarray 19092
\@runcolor 13068	15088, 21389,	\@stabular 19088
\@s@@size 19137	21391, 21413,	\@star@or@long . 2930,
\@s@bidi@AfterClass	21436, 21438, 21456	3162, 3186, 3197
..... 4216,	\@setminipage .. 4972,	\@startcolumn 12001
4225, 4237, 4246	11601, 11876, 14895	\@startdblcolumn ..
\@s@bidi@AfterPackage	\@setpar 16697,	.... 7606, 7608,
..... 4261,	16740, 17219,	7665, 7667, 11067,
4269, 4280, 4288	17226, 17768,	11069, 11107,
\@sarray 19096	17775, 18341,	11108, 11191,
\@savemarbox 21652	18346, 18467, 18474	11193, 11942,
\@secondoftwo .. 1541,	\@settab 6555	11944, 11995,
1547, 1553, 2803,	\@sevenscol@footgroupv@r	11997, 14995,
2807, 2815, 2819,	..... 9980	14998, 15092,
2827, 2831, 2837,	\@sevenscolLTRfootfmt	15095, 21417,
2845, 2858, 2867,	. 10006, 10027, 10055	21419, 21460, 21462
2876, 2885, 2891,	\@sevenscolLTRfootnotetext	\@startfield 6597
2894, 2905, 2910,	..... 9975, 9999	\@startpbox 1415,
2917, 3290, 3300,	\@sevenscolRTLfootfmt	1416, 1481, 1482,
3301, 3302, 3303,	. 10016, 10030, 10067	1483, 7346, 7347,
3309, 3318, 3324,	\@sevenscolRTLfootnotetext	7348, 13958,
3348, 3376, 3404,	..... 9976, 10009	13959, 13965,
3453, 3465, 3466,	\@sevenscolfootfmt .	19106, 19144, 21288
3475, 4121, 4249, 4291	. 9996, 10024, 10042	\@startsection 23, 13287
\@secpenalty .. 5, 200,	\@sevenscolfootnotetext	\@starttoc ... 5860, 5868
509, 526, 661, 679,	..... 9974, 9989	\@stopfield 6562, 6577,
686, 888, 905, 923,	\@sharp 400,	6581, 6609, 21658
1144, 1162, 1170,	1440, 1441, 1442,	\@stopline .. 6581, 21658
8712, 8726, 13293,	1448, 1449, 1450,	\@stpelt . 3648, 3652, 3654
19342, 19474,	13155, 13161,	\@strip 15104
19529, 19893,	13971, 19108,	\@subjclass 324
19900, 20001, 20008	19143, 19149, 21291	\@subject 17283, 17284,
\@sectiontitlecolour	\@sixcol@footgroupv@r	17362, 17396,
..... 2423, 2440	..... 9871	17397, 17832,
\@seesize .. 19134, 19137	\@sixcollTRfootfmt	17833, 17911,
\@setcol 11201	... 9897, 9918, 9946	17945, 17946,
\@setcolbox . 11162, 11198	\@sixcollTRfootnotetext	18531, 18532,
\@setcopyright 112, 13313	..... 9866, 9890	18610, 18644, 18645
\@setfontsize 4674, 4683, 5893,	\@sixcolRTLfootfmt	\@subsectioncolour
5903, 5904, 5905,	... 9907, 9921, 9958	..... 2425, 2441
5906, 5907, 5908, 5909	\@sixcolRTLfootnotetext	\@subtitle 17289, 17359,
\@setfpsbit 5906, 5907, 5908, 5909	..... 9867, 9900	17402, 17838,
... 2286, 2289, 2292	\@sixcolfootfmt ...	17908, 17951,
\@setmarks 7570,	... 9887, 9915, 9933	18537, 18607, 18650
7572, 7602, 7633,	\@sixcolfootnotetext	\@tabacol 2199, 13956,
7635, 7661, 11047,	..... 9865, 9880	19090, 21091, 21271
11049, 11066,	\@skip@bove . 19128, 19130	\@tabarray . 381, 405,
11083, 11085,	\@spaces 19166, 19207, 19212	409, 2201, 13943,



13945, 21086,	12178, 12179,	11004, 11008,
21093, 21273, 21299	12180, 12181,	11016, 11017,
\@tabclassiv	12218, 12221,	11142, 11143,
. . . 2201, 13957,	12222, 12228,	11144, 11590,
19092, 21093, 21273	12239, 12240,	11614, 11719,
\@tabclassz	12246, 12251,	11764, 11771,
1443, 2200, 13957,	12252, 12254,	11781, 11784,
19091, 21092, 21272	12257, 12314,	11788, 11790,
\@tabcr 6558, 6568	12315, 12316,	11796, 11830,
\@tabminus 6556	12317, 12774,	11832, 11838,
\@tabplus 6555	12778, 12781,	11851, 11855,
\@tabular 377, 2187, 21269	12793, 12812,	11856, 12144,
\@tabularcr	12816, 12819,	12240, 12257,
. . . 2201, 13961,	12831, 13324,	12406, 12587,
19092, 21093, 21273	13327, 13378,	12589, 13575,
\@tagsextension 2736, 2739	13379, 14023,	13580, 13584,
\@tarlinesep . . 19130,	14024, 14026,	13988, 13989,
19131, 19132,	14027, 15516,	13992, 14821,
19133, 19136, 19138	15517, 15518,	14824, 14828,
\@temp@bibkey . . 5427,	15521, 15528,	14830, 14836,
5446, 5465, 5493	15534, 16342,	14838, 14839,
\@temp@bibkeyx	16344, 16346,	14868, 14869,
. . . . 5432, 5433,	16350, 16483,	14873, 15768,
5435, 5436, 5437,	16485, 16487,	15769, 15772,
5438, 5451, 5452,	16491, 17074,	17524, 17538,
5454, 5455, 5456,	17075, 17117,	17542, 17544,
5457, 5470, 5471,	17118, 17218,	17567, 17568,
5473, 5474, 5475,	17460, 17463,	17570, 17571,
5476, 5502, 5503,	17767, 18040,	17573, 17578,
5505, 5506, 5507, 5508	18043, 18340,	17583, 18104,
\@temp@last@bibkey	18466, 18723,	18118, 18122,
. . . . 5426, 5427,	18726, 19215,	18124, 18147,
5433, 5445, 5446,	19217, 19222,	18148, 18150,
5452, 5464, 5465,	19224, 20616,	18151, 18153,
5471, 5492, 5493, 5503	20633, 20637,	18158, 18163,
\@tempa 123, 126,	20638, 20639,	18787, 18801,
133, 134, 135, 136,	20648, 20662,	18805, 18807,
790, 792, 794, 798,	20838, 20841,	18830, 18831,
1042, 1044, 1046,	20847, 20851, 20865	18833, 18834,
1050, 1292, 1294,	\@tempb 2652,	18836, 18841,
1296, 1300, 2614,	2653, 2655, 2656,	18846, 19189,
2621, 2652, 2653,	12178, 12179,	19209, 20577,
2656, 2759, 2760,	12219, 12221,	20580, 20585,
2763, 2765, 2767,	12249, 12251,	20589, 20593,
2768, 2771, 2773,	12252, 12254,	20597, 20601,
2775, 2776, 2779,	12257, 15520,	20605, 20609,
2781, 2783, 2784,	15521, 15527,	20613, 21254,
2787, 2789, 2949,	15528, 15533, 15534	21255, 21310,
2959, 2965, 2977,	\@tempboxa 5222,	21311, 21312,
2984, 2990, 3003,	5266, 5310, 7700,	21313, 21537,
3013, 3019, 3031,	7701, 8278, 8279,	21581, 21719,
3038, 3044, 3057,	8280, 8281, 8283,	21726, 21727,
3070, 3076, 3094,	8332, 8333, 8334,	21756, 21757, 21761
3104, 3110, 10993,	8335, 8337, 9396,	\@tempc . 12220, 12222,



12228, 13406, 13411	8224, 8225, 8226,	16609, 16698,
\@tempcnta 1406, 1465,	8227, 8245, 8246,	16699, 16700,
1466, 1467, 1469,	8247, 8248, 8254,	16741, 16742,
1470, 2274, 2280,	8256, 8257, 8261,	16743, 16811,
2282, 2295, 2296,	8262, 8263, 8264,	16816, 16981,
2302, 2303, 2629,	8265, 8273, 8277,	16996, 17001,
2631, 2635, 7333,	8280, 8281, 8282,	17119, 17120,
7335, 8253, 8310,	8296, 8297, 8298,	17220, 17221,
13445, 13447,	8311, 8313, 8314,	17222, 17227,
13450, 13473,	8318, 8319, 8320,	17228, 17231,
13474, 13482,	8321, 8322, 8328,	17541, 17542,
15592, 15594,	8331, 8334, 8335,	17567, 17568,
15595, 15601,	8336, 8348, 8349,	17569, 17571,
15605, 15618,	8350, 8566, 8567,	17769, 17770,
15674, 15676,	8572, 8573, 8574,	17771, 17776,
15680, 15683,	8575, 8576, 8691,	17777, 17780,
15685, 17322,	8693, 8695, 8714,	18121, 18122,
17324, 17517,	8719, 8729, 10454,	18147, 18148,
17536, 17871,	10488, 10489,	18149, 18151,
17873, 18097,	10490, 10491,	18342, 18343,
18116, 18570,	10493, 10502,	18344, 18347,
18572, 18780,	10503, 10506,	18348, 18351,
18799, 19202,	10507, 10550,	18468, 18469,
20424, 20425,	10551, 10552,	18470, 18475,
20426, 20445,	10553, 10555,	18476, 18479,
20446, 20447,	10564, 10565,	18804, 18805,
20449, 20451,	10568, 10569,	18830, 18831,
20533, 20534,	10756, 10758,	18832, 18834,
20535, 21612,	10819, 10833,	19135, 19138,
21614, 21617,	10838, 11005,	19140, 19203,
21619, 21621, 21643	11006, 11009,	19262, 19263,
\@tempcntb	11010, 11588,	19264, 19484,
2300, 2301, 2302,	11592, 12113,	19488, 19515,
15593, 15594,	12115, 12237,	19519, 19538,
15601, 15605,	12239, 12244,	19542, 19555,
15618, 17517,	12246, 12247,	19559, 19572,
17535, 18097,	12249, 12262,	19576, 19589,
18115, 18780, 18798	12267, 12272,	19593, 19606,
\@tempdima 8, 10,	12276, 13296,	19610, 19623,
12, 14, 203, 205,	13298, 13300,	19627, 19641,
207, 209, 385, 386,	13302, 13421,	19645, 19660,
388, 511, 528, 533,	13426, 13442,	19664, 19680,
651, 664, 688, 693,	13443, 13448,	19684, 19715,
878, 879, 890, 895,	13953, 13963,	19719, 19903,
908, 1134, 1147,	13968, 14939,	19909, 20011,
1172, 1177, 1460,	14943, 15039,	20061, 20064,
1461, 1493, 1494,	15043, 15104,	20065, 20069,
1495, 2354, 2356,	15129, 15152,	20441, 20443,
5881, 5882, 6651,	15164, 15165,	20472, 20475,
6664, 6686, 6691,	15176, 15177,	20482, 20485,
6828, 6841, 6863,	15596, 16197,	20489, 20494,
6868, 7127, 7142,	16210, 16232,	20497, 20509,
7147, 7358, 7359,	16237, 16569,	20542, 20544,
7360, 7408, 7413,	16582, 16604,	20545, 20548,



20551, 20555,	20850, 20854,	\@textsuperscript .
20562, 20564,	20855, 21181, 21182	454, 457, 744, 806,
20623, 20624,	\@tempdimc 7328, 17217,	808, 996, 1060,
20637, 20639,	17224, 17225,	1246, 1308, 1310,
20647, 20654,	17235, 17766,	1987, 1990, 5532,
20800, 20801,	17773, 17774,	5534, 6754, 6931,
20820, 20831,	17784, 18465,	7070, 7073, 8829,
20832, 20833,	18472, 18473, 18483	8832, 8926, 8929,
20834, 20846,	\@tempskipa	10929, 10932,
20849, 20855,	. . . 6587, 6588, 6589	14764, 16296,
20856, 21178,	\@tempswafalse . 4396,	16358, 16360,
21179, 21321,	4443, 8265, 8322,	16435, 16499,
21322, 21622,	12185, 20885, 20928	16501, 16695,
21623, 21624,	\@tempswatruue	16702, 16738,
21625, 21628,	. . . . 4395, 4440,	16745, 16924, 16927
21631, 21634,	8259, 8316, 21371	\@texttop . . 10747, 12112
21636, 21659, 21660	\@temptokena 121, 125,	\@tfor 2275, 10993
\@tempdimb 7327,	13322, 13326, 15660	\@thanks 433,
7781, 7801, 8224,	\@tempx 6489,	441, 469, 477,
8225, 8245, 8246,	6490, 12852, 12864	775, 781, 820, 826,
8297, 8299, 8302,	\@tempxi 6492,	1027, 1033, 1072,
8349, 8351, 8354,	6493, 12883, 12895	1078, 1277, 1283,
8569, 8572, 10504,	\@tempxii 6495,	1322, 1328, 1992,
10505, 10506,	6496, 12914, 12926	1998, 6785, 6791,
10566, 10567,	\@tempy 2207, 2208	6962, 6968, 7049,
10568, 10998,	\@tempyi 2210, 2211	7057, 7085, 7093,
10999, 11000,	\@tempyii 2213, 2214	8810, 8816, 8844,
11001, 11003,	\@tencol@footgroupv@r	8850, 8905, 8913,
12238, 12239,	. . . . . 10307	8941, 8949, 10910,
12245, 12246,	\@tencolLTRfootfmt	10916, 10944,
12248, 12249,	. 10333, 10354, 10382	10950, 11616,
13443, 13444,	\@tencolLTRfootnotetext	11630, 11633,
13446, 15104,	. . . . . 10302, 10326	14757, 14780,
15129, 17229,	\@tencolRTLfootfmt	16327, 16333,
17230, 17231,	. 10343, 10357, 10394	16372, 16378,
17778, 17779,	\@tencolRTLfootnotetext	16466, 16474,
17780, 18349,	. . . . . 10303, 10336	16513, 16521,
18350, 18351,	\@tencolfootfmt . . .	16716, 16724,
18477, 18478,	. 10323, 10351, 10369	16757, 16765,
18479, 19135,	\@tencolfootnotetext	16903, 16911,
19138, 19140,	. . . . . 10301, 10316	16939, 16947,
20442, 20448,	\@testopt 3164,	17302, 17346,
20450, 20455,	3182, 13950, 13951	17355, 17851,
20457, 20460,	\@testpach 352, 1377,	17895, 17904,
20464, 20468,	1422, 19228, 21300	18550, 18594, 18603
20476, 20478,	\@texfileextension	\@thefnmark 44,
20479, 20492,	. . . . . 2738, 2741	58, 74, 247, 261,
20498, 20500,	\@textbottom . . 10751,	276, 454, 457,
20803, 20804,	12116, 17244,	744, 806, 808, 996,
20806, 20808,	17251, 17500,	1060, 1246, 1308,
20811, 20812,	17505, 17793,	1310, 1987, 1990,
20814, 20817,	17800, 18080,	2230, 2238, 2246,
20831, 20832,	18085, 18492,	5532, 5534, 5568,
20833, 20837,	18499, 18763, 18768	5586, 5604, 5630,



5636, 5659, 5665,	16358, 16360,	16380, 16393,
5688, 5694, 6510,	16435, 16499,	16444, 16446,
6517, 6524, 6754,	16501, 16695,	16476, 16523,
6931, 7070, 7073,	16702, 16738,	16539, 16550,
8829, 8832, 8926,	16745, 16924, 16927	16706, 16727,
8929, 9164, 9178,	\@thefoot 11170,	16768, 16782,
9192, 9204, 9215,	11173, 11177,	16893, 16914,
9226, 9267, 9271,	21687, 21693,	16950, 16964,
9273, 9279, 9283,	21701, 21704, 21739	17287, 17358,
9285, 9291, 9295,	\@thehead 11169,	17400, 17836,
9297, 9455, 9465,	11172, 11176,	17907, 17949,
9475, 9501, 9514,	21687, 21693,	18535, 18606, 18648
9526, 9564, 9573,	21700, 21703, 21723	\@titlecolour . 2420, 2437
9582, 9607, 9619,	\@themargin . . . 11226,	\@titlehead
9630, 9667, 9677,	12282, 12284,	. . 17276, 17278,
9687, 9713, 9726,	12289, 12291,	17361, 17388,
9738, 9776, 9786,	12295, 12297,	17390, 17825,
9796, 9822, 9835,	21689, 21691,	17827, 17910,
9847, 9885, 9895,	21695, 21697, 21716	17937, 17939,
9905, 9931, 9944,	\@thm 15549, 15570	18524, 18526,
9956, 9994, 10004,	\@thmcountersep 350, 21111	18609, 18636, 18638
10014, 10040,	\@threecol@footgroupv@r	\@tocextra
10053, 10065,	. . . . . 9550	. . 19435, 19436,
10103, 10113,	\@threecolLTRfootfmt	19440, 19442, 19445
10123, 10149,	. . . 9575, 9594, 9621	\@tocline . . 2, 197, 13290
10162, 10174,	\@threecolLTRfootnotetext	\@tocpagenum 15, 210, 13303
10212, 10222,	. . . . . 9545, 9568	\@tocrmarg
10232, 10258,	\@threecolRTLfootfmt	. . 15148, 15160,
10271, 10283,	. . . 9584, 9597, 9632	15172, 16138,
10321, 10331,	\@threecolRTLfootnotetext	19479, 19510,
10341, 10367,	. . . . . 9546, 9577	19533, 19550,
10380, 10392,	\@threecolfootfmt .	19567, 19584,
10587, 10599,	. . . 9566, 9591, 9609	19601, 19618,
10611, 10648,	\@threecolfootnotetext	19636, 19655,
10662, 10676,	. . . . . 9544, 9559	19675, 19710,
10929, 10932,	\@title 320,	19761, 20039,
11453, 11458,	423, 444, 480, 494,	20502, 20619, 21317
11462, 11467,	753, 755, 783, 828,	\@todonotes@MissingFigureDown
11489, 11506,	841, 1005, 1007,	. . . . . 20781
11522, 11550,	1035, 1080, 1093,	\@todonotes@MissingFigureText
11564, 11578,	1255, 1257, 1285,	. . . . . 20758
11621, 11626,	1330, 1344, 1355,	\@todonotes@MissingFigureUp
11636, 11641,	2001, 2390, 2451,	. . . . . 20780
11677, 11681,	6065, 6150, 6763,	\@todonotes@author
11683, 11689,	6765, 6793, 6940,	. . . . . 20691,
11693, 11695,	6942, 6970, 7039,	20702, 20727, 20745
11701, 11705,	7060, 7096, 7110,	\@todonotes@currentfigcolor
11707, 12127,	8176, 8800, 8819,	. . . . . 20762
12634, 12645,	8853, 8865, 8895,	\@todonotes@currentfigheight
12656, 12667,	8916, 8952, 8966,	. . . . . 20763
12785, 12823,	10900, 10919,	\@todonotes@currentfigwidth
12856, 12887,	10953, 10965,	. . . . . 20763,
12918, 12981,	14758, 16305,	20765, 20775, 20778
13284, 16296,	16307, 16335,	



\@todonotes@drawInlineNote	21214, 21216, 21217, 21218, 20686	\@whilenum 13474
\@todonotes@drawLineToLeftMargin	21223, 21225, 21226, 21227, 21659	\@whilesw . 7607, 7666, 11068, 11108, 11192, 11943, 11996, 14996, 15093, 21418, 21461
\@todonotes@drawLineToRightMargin	20714, 20717	\@wholewidth 10995, 10997, 11015
\@todonotes@drawMarginNote	\@trivlist 15560, 15580, 21130	\@width 31, 235, 390, 540, 725, 960, 1205, 1495, 6726, 6879, 7155, 7360, 7582, 7647, 7879, 7898, 8206, 8784, 9083, 9132, 10866, 11097, 11400, 11402, 11844, 11932, 11979, 13281, 13352, 13970, 14021, 14133, 14978, 15080, 15223, 15234, 15266, 15317, 16248, 16671, 16827, 17009, 17246, 17501, 17795, 18081, 18494, 18764, 19101, 19140, 21283, 21401, 21450, 21650
\@todonotes@drawMarginNote	\@twocol@footgroupv@r	\@x 6547, 6548
\@todonotes@ifdisabled	\@twocolLTRfootfmt . . . 9467, 9488, 9516	\@x@sf 5541, 5546, 5552, 5555
\@todonotes@sizecommand	\@twocolLTRfootnotetext 9436, 9460	\@xLTRfootnote 2195, 2317, 6388, 6399, 6605, 6619, 11461, 11464
	\@twocolRTLfootfmt . . . 9477, 9491, 9528	\@xLTRfootnotenext 2194, 2316, 6387, 6398, 6604, 6618, 11620, 11623, 12653, 19175
	\@twocolRTLfootnotetext 9437, 9470	\@xRTLfootnote 2197, 2319, 6390, 6401, 6607, 6621, 11452, 11455
	\@twocolfootfmt . . . 9457, 9485, 9503	\@xRTLfootnotenext 2196, 2318, 6389, 6400, 6606, 6620, 11635, 11638, 12642, 19176
\@todonotes@text . . 20691, 20693, 20700, 20702, 20704, 20727, 20729, 20741, 20744, 20745, 20747, 20750	\@twocolfootnotetext 9435, 9450	\@xaddress 321
\@todonotes@textwidth 20725	\@twosidefalse 4658	\@xauthor 321
\@toodeep 21118	\@twosidettrue 4653	\@xcolor@ . . 20886, 20929
\@topnum . . . 111, 314, 466, 817, 1069, 1319, 6143, 7082, 8841, 8938, 10941, 13312, 14777, 16369, 16510, 16754, 16936, 17343, 17892, 18591	\@typeset@protect 2146, 2152, 2158, 2173	
\@topsep . . . 15563, 15583	\@undeclaredcolor 7373, 7381, 20878, 20879	
\@topsepadd 2118, 15564, 15584	\@undefined 2204, 13955, 14878	
\@totalleftmargin . . 11866, 11870, 11873, 11882, 13464, 13465, 13486, 14111, 15566, 15567, 15586, 15587, 16112, 21137, 21139, 21145, 21147, 21151, 21153, 21157, 21159, 21161, 21196, 21198, 21199, 21200, 21205, 21207, 21208, 21209	\@undottedtocline 15145	
	\@unexpandable@protect 3215, 4555	
	\@unrecurse . 19125, 19128	
	\@uppertitleback 17306, 17364, 17855, 17913, 18554, 18612	
	\@urlbordercolor 13083, 13085	
	\@urlcolor 13097	
	\@viipt 4683, 5903, 15604, 15617	
	\@viipt 5903, 15604, 15617	
	\@viper . . . 7609, 7611, 7613, 7668, 7670, 7672, 7686, 7693, 7937, 7988, 15105, 15120, 15122, 15127	
	\@viperoutput . 7615, 7674	
	\@vipt 5904	
	\@vpt 5904	



\@curraddr 322	13343, 13347,	16181, 16184,
\@xemail 322	13537, 13538,	16625, 16631, 16634
\@xepersian@pdfcustomproperties 1822	13544, 13545,	\Acrobatmenu 13102
\@xfloat 2250	13948, 14116,	\active 6338,
\@xfootnote 2193,	15678, 15690,	6339, 6341, 6342
2315, 6386, 6397,	16053, 16054,	\add@strip 15129
6603, 6617, 12979	16066, 16067,	\addcontentsline . .
\@xfootnotemark . . 12664	16079, 16080,	. . 553, 555, 2495,
\@xfootnotenext . .	16092, 16303,	4967, 8740, 8742,
. . . . 2192, 2314,	16348, 16442,	13604, 13609,
6385, 6396, 6602,	16489, 18442,	14890, 19418,
6616, 12631, 19174	19092, 19107,	19425, 19442, 20758
\@xipt 5906	19123, 19124,	\AddExtraParaSkip .
\@xipt 5905	19300, 19329,	. 10446, 10449, 10574
\@xivpt 303, 5907	20724, 20731,	\addfontfeature 2418,
\@xmakefntext . . 807,	21093, 21230,	2419, 2420, 2421,
1309, 16359, 16500	21273, 21289, 21299	2422, 2423, 2425, 2426
\@xp 121, 308,	\{ 2063, 14253, 14297	\addpenalty 5,
333, 334, 7274, 13322	\} 2064, 14253, 21098	200, 509, 526, 661,
\@xpt 4674	\] 6556, 11122	679, 686, 888, 905,
\@xstartcol 12019	\^ 1831,	923, 1144, 1162,
\@xthm 15568, 15588	6338, 6339, 6341, 6342	1170, 6661, 6677,
\@xtitle 320	\` 11864, 14108, 16108	6684, 6838, 6854,
\@xxpt 5908	\| . . . . 11743, 11744, 11859	6861, 7125, 7140,
\@xxxii 2301		8712, 8726, 8981,
\@ympar	Numbers	10816, 10831,
5228, 5232, 5272,	\0 1785	13293, 16207,
5276, 5316, 5320,	\1 14195, 14246, 14298	16223, 16230,
21543, 21547,	\9 1785	16579, 16595,
21587, 21591, 21654		16602, 16795,
\@yargdef 3184	_ 1601, 1886, 5434, 5438,	16809, 16979,
\@ympar 21651	5453, 5457, 5472,	16994, 19342,
\@ythm 15568, 15588	5476, 5504, 5508,	19344, 19472,
\[. 6555, 11112	11736, 11738, 18436	19474, 19507,
\ \ 122, 404, 751,	A	19529, 19893,
796, 1003, 1048,	\abovecaptionskip .	19896, 19900,
1253, 1298, 2201,	. . . . . 13573,	20001, 20004, 20008
2498, 2504, 2651,	14817, 14867,	\address 321, 2452
3673, 3689, 3693,	17591, 17595,	\addresscolour
3922, 3924, 3925,	17610, 17618,	2421, 8016, 8114,
3926, 3934, 3939,	18171, 18175,	8120, 8126, 8132, 8138
3940, 3942, 4988,	18190, 18198,	\addressfont
4989, 4990, 4992,	18854, 18858,	2430, 2438, 2549,
5952, 6321, 6459,	18873, 18881, 21755	8054, 8082, 8146, 8180
6761, 6938, 8064,	\abovedisplayshortskip	\addresssymbol
8065, 8068, 8084,	. . . . 4676, 4685, 5895	. . . . 2412, 8084, 8183
8171, 8176, 8183,	\abovedisplayskip .	\addressstyle 2438
8193, 8197, 9063,	4675, 4678, 4684,	\addtocontents . . . 19758
9067, 9076, 12486,	4691, 4725, 5894, 5901	\addtocounter 13466, 13467
12489, 12502,	\abstractname 629, 635,	\AddToHook 3495, 3536, 3576
12505, 12605,	638, 936, 942, 944,	\addtolength . . . 2372,
13026, 13041,	1188, 1194, 1197,	2373, 2374, 2375,
13060, 13323,	6702, 6890, 16175,	2376, 2377, 2475,
		2476, 2478, 2480,



2481, 2484, 4760,	\adl@array ... 1370, 1375	7949, 7964, 7983,
4763, 4764, 4767,	\adl@arraydashrule	7984, 8214, 8224,
5918, 8162, 8163,	..... 1391, 1429	8225, 8235, 8245,
8164, 8575, 12339,	\adl@arrayinit 1372	8246, 8262, 8263,
12340, 13432,	\adl@arrayrestore . 1367	8264, 8281, 8290,
13434, 13436,	\adl@arrayrule 1390, 1428	8297, 8319, 8320,
13437, 13455,	\adl@box . 1413, 1415, 1416	8321, 8335, 8342,
13457, 13458,	\adl@class@iiiorvii	8349, 8496, 8497,
13460, 13461,	..... 1419, 1452	8506, 8507, 8523,
13463, 13464,	\adl@class@start ..	8525, 8529, 8531,
13465, 13480,	..... 1418, 1451	8535, 8538, 8539,
13481, 17221,	\adl@CT@setup	8540, 8719, 8772,
17224, 17225,	... 1455, 1458, 1459	9043, 9427, 9429,
17228, 17230,	\adl@depth 1462	10454, 10489,
17568, 17569,	\adl@endarray 1367	10491, 10496,
17770, 17773,	\adl@endmbox 1414	10500, 10551,
17774, 17777,	\adl@everyvbox 1371, 1372	10553, 10558,
17779, 18148,	\adl@extract@arc .. 1467	10562, 10838,
18149, 18343,	\adl@extract@dgc .. 1470	10880, 10995,
18348, 18350,	\adl@extract@drsc . 1468	10997, 10999,
18469, 18472,	\adl@height 1461	11005, 11006,
18473, 18476,	\adl@inactivate 1373, 1455	11013, 11014,
18478, 18831,	\adl@LT@array 13153	11015, 11185,
18832, 19361,	\adl@noalign 1374	11186, 11739,
19362, 20042,	\adl@org@activate . 1456	11753, 11766,
20048, 20052, 20056	\adl@org@classz ... 1499	11767, 11799,
\addvspace 5,	\adl@org@endpbox .. 1457	11804, 11805,
200, 510, 527, 662,	\adl@org@inactivate 1455	11808, 11817,
680, 687, 889,	\adl@putlrc 1410, 1411,	11881, 12008,
906, 924, 1145,	1412, 1440, 1441,	12009, 12013,
1163, 1171, 5946,	1442, 1448, 1449, 1450	12014, 12016,
6003, 6662, 6678,	\adl@startmbox 1413	12017, 12020,
6839, 6855, 7126,	\advance 12,	12021, 12022,
8713, 8727, 8982,	90, 207, 293, 311,	12023, 12142,
10817, 13293,	386, 533, 577, 693,	12988, 12998,
16208, 16224,	712, 879, 895, 975,	13254, 13300,
16580, 16596,	1177, 1225, 1460,	13444, 13447,
16796, 16980,	1494, 1785, 1786,	13448, 13482,
19476, 19530,	1787, 1960, 1965,	13963, 13975,
19894, 19901,	2282, 2296, 2302,	14038, 14931,
20002, 20005,	2568, 2612, 2647,	14933, 14960,
20009, 20036, 20436	2948, 3002, 3056,	14961, 14964,
\adjmc@inner 134	3783, 3942, 3948,	15031, 15033,
\adjmc@outer 136	3958, 4013, 4030,	15060, 15061,
\adjmc@page@sofar@orig	4039, 4567, 5176,	15064, 15118,
..... 164	5882, 5957, 6308,	15119, 15120,
\adjmult@cols 163	6316, 6317, 6588,	15121, 15130,
\adjmulticols 132	6691, 6713, 6868,	15152, 15165,
\adl@act@classz ... 1498	6901, 7147, 7210,	15177, 15190,
\adl@act@CT@setup .	7359, 7367, 7368,	15319, 15320,
..... 1456, 1463	7408, 7520, 7686,	15325, 15326,
\adl@activate . 1373, 1456	7687, 7690, 7693,	15329, 15330,
\adl@argarraydashrule	7694, 7744, 7745,	15561, 15565,
..... 1392, 1430	7746, 7808, 7948,	15566, 15581,



15585,	15586,	1603, 1605, 1888,	..... 15700
15594,	15685,	1890, 3216, 4022,	\AM@currentdocname
15707,	15735,	5406, 19198, 19199	..... 15663, 15669
15742,	15784,	\aftergroup	\AM@findfile 15667
15789,	15790,	2100, 2110, 4225,	\AM@output 15696
15791,	15820,	4227, 4237, 4239,	\AM@pagecount 15665
15821,	15847,	4249, 4251, 4269,	\AM@pageref . 15680, 15683
15858,	16013,	4271, 4280, 4282,	\AM@pagestemp
16015,	16020,	4291, 4293, 5390,	.. 15673, 15678,
16023,	16046,	5405, 7371, 7373,	15679, 15682,
16237,	16264,	7380, 7386, 7405,	15690, 15691, 15695
16609,	16658,	7697, 7703, 7706,	\AM@readlist 15695
16699,	16742,	11213, 11215,	\AM@split@options 15659
16816,	16852,	15903, 15904,	\AM@temp ... 15660, 15661
17001,	17055,	15907, 15912,	\AM@threadname
17120,	17457,	15913, 15917,	. 15658, 15668, 15669
18037,	18440,	15922, 15923,	\AM@xrprefix
18720,	19053,	15927, 15931,	. 15676, 15680, 15683
19124,	19138,	15935, 15939,	\and 448, 484,
19148,	19168,	19335, 20427,	762, 788, 791, 833,
19263,	19301,	20867, 20876,	1014, 1040, 1043,
19317,	19330,	20878, 20915,	1085, 1264, 1290,
19334,	19366,	20919, 20972,	1293, 1335, 1357,
19367,	19387,	20983, 20984,	2005, 6772, 6798,
19488,	19519,	20987, 20992,	6949, 6975, 7064,
19542,	19559,	20993, 20997,	7100, 8823, 8857,
19576,	19593,	21002, 21003,	8920, 8956, 10923,
19610,	19627,	21007, 21012,	10957, 14755,
19645,	19664,	21016, 21021,	15662, 16314,
19684,	19719,	21669, 21679, 21680	16340, 16343,
19760,	19909,	\ALG@floatstyle ...	16385, 16453,
19910,	20018,	... 5191, 5192, 5193	16481, 16484,
20069,	20425,	\algocf@float 21822	16528, 16552,
20445,	20450,	\algocf@makecaption 188	16731, 16772,
20500,	20501,	\algocf@within	16918, 16954,
20502,	20505,	..... 166, 168,	17377, 17926, 18625
20509,	20534,	21824, 21825, 21826	\andify 116, 13317
20545,	20624,	\alignL 7306	\andname .. 796, 1048,
20647,	20801,	\alignR 7313	1298, 16348, 16489
20803,	20813,	\allowbreak 8220,	\andnext 14756
20832,	20833,	8241, 9487, 9490,	\AppendToTokenList 3889
20862,	20873,	9493, 9593, 9596,	\arabic 19,
20874,	21120,	9599, 9699, 9702,	20, 21, 22, 86, 214,
21133,	21134,	9705, 9808, 9811,	215, 216, 217, 289,
21137,	21139,	9814, 9917, 9920,	329, 11148, 11154,
21145,	21147,	9923, 10026,	13250, 13307,
21151,	21153,	10029, 10032,	13308, 13309,
21157,	21159,	10135, 10138,	13310, 19700, 21822
21257,	21258,	10141, 10244,	\array 407, 21297
21322,	21348,	10247, 10250,	\arraycolsep 407
21623,	21624,	10353, 10356, 10359	\arraylinesep 19131
21631,	21632,	\Alph 14799	\arrayrulecolor ... 1467
21633,	21634, 21659	\AM@CheckAtEnd ... 15698	\arrayrulewidth .. 19148
\afterassignment ..		\AM@ClearShipoutPicture	



\arraystretch 388, 389, 2094, 2105, 13968, 13969, 19099, 19100, 19135, 21106, 21281, 21282	11425, 12123, 21773	15827, 15832, 15836, 15848, 15859, 15886, 16119, 16247, 16249, 16253, 16255, 16670, 16672, 16676, 16678, 18434, 18437, 18439, 18444, 19110, 19149, 20801, 20809, 20813, 21293, 21713, 21736
\aslice . 15827, 15828, 15830, 15832, 15833, 15835, 15848, 15849, 15851	B	
\At@ViperColsBreak 7711, 7714	\backmatter 6253, 7195, 9028	
\AtBeginCaption .. 13615	\Backref@HyperLTRFootnote 11653, 11660	
\AtBeginDocument 1594, 1741, 2387, 2447, 2544, 3530, 4620, 4769, 4996, 5130, 5135, 5188, 5999, 6199, 6264, 8093, 8207, 8228, 8249, 8679, 11529, 12131, 12603, 13623, 13630, 13713, 16124, 19114, 20574	\Backref@HyperRTLFootnote 11659, 11663	
\AtBeginPackage .. 14860	\Backref@HyperSymbol 11661, 11664, 11667, 11670	
\AtEndDocument . 1813, 2551, 3556, 4472, 6483, 6540, 14238, 14289, 14307, 21369	\Backref@OptHyperLTRFootnote 11666	\baselinestretch .. 2402, 5562, 5580, 5598, 9158, 9172, 9186, 9200, 9211, 9222, 9451, 9461, 9471, 9497, 9509, 9522, 9533, 9538, 9560, 9569, 9578, 9603, 9614, 9626, 9636, 9641, 9663, 9673, 9683, 9709, 9721, 9734, 9745, 9750, 9772, 9782, 9792, 9818, 9830, 9843, 9854, 9859, 9881, 9891, 9901, 9927, 9939, 9952, 9963, 9968, 9990, 10000, 10010, 10036, 10048, 10061, 10072, 10077, 10099, 10109, 10119, 10145, 10157, 10170, 10181, 10186, 10208, 10218, 10228, 10254, 10266, 10279, 10290, 10295, 10317, 10327, 10337, 10363, 10375, 10388, 10399, 10404, 10486, 10548, 10583, 10595, 10607, 10638, 10657, 10671, 10689, 10699, 10708, 10717
\AtEndOfClass 2386	\Backref@OptHyperRTLFootnote 11669	
\AtPageLowerLeft .. 8487	\Backref@OptLTRHyperFootnote 11653	
\AtPageUpperLeft 8487, 8511, 8541	\Backref@OptRTLHyperFootnote 11659	
\AtTextUpperLeft 8491, 8517	\BackrefFootnoteTag .. 11651, 11652, 11657, 11658, 11677, 11681, 11683, 11689, 11693, 11695, 11701, 11705, 11707	
\author 321, 446, 482, 786, 831, 1038, 1083, 1288, 1333, 2003, 6049, 6081, 6796, 6973, 7062, 7098, 8821, 8855, 8918, 8954, 10921, 10955, 16338, 16383, 16479, 16526, 16729, 16770, 16916, 16952, 17367, 17916, 18615	\badness 7737, 7741, 7769, 7773, 7775, 7780, 7784, 7788, 7852, 7873	
\auto@footnoterule 11416, 11427	\baselineskip 402, 724, 726, 730, 732, 1204, 1206, 1210, 1212, 3156, 4702, 4704, 4707, 4709, 4711, 4714, 4869, 5499, 5566, 5584, 5602, 5719, 5728, 5737, 5818, 5825, 5832, 5839, 5846, 5946, 6003, 6346, 6407, 6471, 6477, 6725, 6727, 6731, 6733, 6878, 6880, 6884, 6886, 7521, 7522, 7539, 7543, 7950, 11223, 11754, 13442, 13450, 13984, 13994, 14114, 14131, 15782, 15785, 15799, 15823,	\BCmd 2099
\autodot 17424, 17972, 18671, 20637		\BDefaboveskip
\autofootnoterule . 1696, 8200, 9126,		



... 2114, 2129, 2132	12354,	12359,	3906, 3916, 4046,
\BDefbelowskip	12377,	12480,	4119, 4143, 4158,
... 2118, 2130, 2133	12482,	12496,	4224, 4235, 4247,
\BDefinlineskip ...	12498,	13342,	4268, 4278, 4289,
... 2123, 2131, 2134	14905,	15601,	4439, 4553, 4565,
\begin 412, 422,	16288,	16301,	4600, 4969, 5388,
427, 490, 498, 736,	16312,	16391,	5634, 5663, 5692,
749, 760, 839, 845,	16397,	16425,	6066, 6083, 6099,
988, 1001, 1012,	16440,	16451,	6111, 6144, 6448,
1091, 1097, 1238,	16535,	16543,	6508, 6515, 6522,
1251, 1262, 1342,	16552,	16554,	6552, 6663, 6687,
1348, 1357, 1359,	16555,	16685,	6840, 6864, 7068,
1360, 2093, 2095,	16705,	16710,	7128, 7143, 7232,
2104, 2106, 2109,	16786,	16882,	7351, 7405, 7414,
2502, 2506, 2508,	16892,	16897,	7604, 7663, 8492,
2510, 2512, 2516,	16960,	16968,	8518, 8715, 8728,
2524, 2527, 2562,	17257,	17277,	8827, 8924, 8983,
2675, 2679, 2699,	17282,	17292,	10485, 10547,
2703, 2730, 3593,	17305,	17309,	10818, 10834,
3594, 3601, 3627,	17389,	17395,	10927, 11067,
4329, 4775, 4776,	17406,	17448,	11105, 11189,
4789, 4792, 4866,	17806,	17826,	11205, 11456,
4867, 4873, 4874,	17831,	17841,	11465, 11624,
4881, 4882, 4907,	17854,	17858,	11639, 11713,
4908, 4945, 4948,	17938,	17944,	11765, 11798,
4951, 4954, 4958,	17955,	18028,	11940, 11993,
4959, 5143, 5144,	18505,	18525,	12167, 12183,
5762, 5818, 5825,	18530,	18540,	12353, 12632,
5832, 5839, 5846,	18553,	18557,	12643, 12654,
5859, 5867, 5989,	18637,	18643,	12665, 12763,
5994, 6127, 6174,	18654,	18711,	12783, 12821,
6197, 6572, 6746,	19380,	20688,	12854, 12885,
6759, 6770, 6923,	20695,	20698,	12916, 13150,
6936, 6947, 6991,	20709,	20722,	13165, 13294,
7003, 7028, 7038,	20725,	20732,	13320, 13389,
7043, 7106, 7114,	20738,	20761,	13419, 13607,
7424, 7434, 7447,	20765, 20771, 20778		13972, 14762,
7457, 7470, 7480,	\begin@bidi@stack .		14892, 14993,
7493, 7503, 8068,	.... 2669, 2679,		15090, 15300,
8174, 8179, 8197,	2680, 2693, 2703, 2704		15304, 15308,
8366, 8369, 8373,	\begingroup ... 6, 119,		15656, 15704,
8375, 8380, 8382,	201, 302, 315, 379,		15995, 16209,
8386, 8389, 8392,	391, 452, 512, 529,		16233, 16355,
8396, 8398, 8402,	663, 689, 803, 891,		16496, 16581,
8404, 8408, 8411,	907, 1055, 1146,		16605, 16735,
8414, 8418, 8420,	1173, 1305, 1486,		16797, 16812,
8425, 8427, 8598,	1985, 2228, 2236,		16922, 16982,
8664, 8791, 8799,	2244, 2623, 2651,		16997, 17331,
8804, 8863, 8869,	2670, 2694, 2913,		17447, 17540,
8884, 8894, 8899,	2932, 3282, 3328,		17880, 18027,
8962, 8970, 9062,	3335, 3365, 3381,		18120, 18579,
10891, 10899,	3397, 3437, 3445,		18710, 18803,
10904, 10963,	3478, 3528, 3656,		19197, 19314,
10969, 11115,	3864, 3866, 3896,		19338, 19477,



19904, 20012,	15991, 15992,	20017, 20366,
20423, 20540,	15993, 17161,	20370, 20375, 20404
20880, 20923,	17171, 17182,	\bgroup 171, 172,
20972, 21084,	17189, 17583,	379, 394, 399, 404,
21415, 21458, 21669	18163, 18846,	637, 1196, 1472,
\beginL 176, 1471, 1638,	19089, 19111,	1607, 1892, 2188,
1915, 2549, 5250,	19150, 19272,	2310, 6380, 6598,
5294, 7336, 7365,	20872, 20876,	6612, 7265, 7337,
7371, 7373, 7405,	20915, 20919,	11119, 11120,
9460, 9512, 9568,	20972, 20977,	11134, 11590,
9617, 9672, 9724,	20984, 20989,	11818, 13976,
9781, 9833, 9890,	21240, 21243,	13978, 14015,
9942, 9999, 10051,	21246, 21263,	14049, 14052,
10108, 10160,	21270, 21295,	14098, 15105,
10217, 10269,	21609, 21643,	15716, 15905,
10326, 10378,	21660, 21662,	15911, 15915,
11008, 11119,	21723, 21739,	15921, 15925,
11134, 11301,	21758, 21761, 21769	15930, 15933,
12133, 12139,	\belowcaptionskip .	15938, 16183,
12148, 12168,	. . . . . 13586,	16633, 19089,
12184, 12194,	14858, 14875,	19097, 19105,
12987, 13576,	17589, 17597,	19111, 19142,
15705, 15897,	17608, 17620,	19146, 19150,
15903, 15919,	18169, 18177,	20532, 20985,
15995, 17167,	18188, 18200,	20991, 20995,
17178, 17185,	18852, 18860,	21001, 21005,
17195, 19265,	18871, 18883, 21763	21011, 21014,
20871, 20876,	\belowdisplayshortskip	21020, 21084,
20878, 20972,	. . . 4677, 4686, 5896	21090, 21270,
20977, 20983,	\belowdisplayskip .	21279, 21287, 21295
20999, 21565,	. . . . . 4678,	\BHFN@OldLTRFootnote
21643, 21723, 21739	4691, 4726, 5901	. 11646, 11661, 11667
\beginR 174,	\bf 1921, 15768, 15770	\BHFN@OldRTLFootnote
336, 348, 379, 404,	\bfseries . . . 25, 303,	. 11647, 11664, 11670
1472, 2198, 5250,	516, 532, 561, 564,	\bib@after@hook 17492,
5338, 7263, 7337,	668, 692, 894, 912,	17494, 18072,
7366, 7371, 7380,	1151, 1176, 1646,	18074, 18755, 18757
7386, 7405, 8485,	2049, 2519, 6126,	\bib@before@hook . .
9420, 9424, 11144,	6668, 6690, 6845,	. . . . . 17442,
12135, 12140,	6867, 6992, 7004,	17493, 18022,
12197, 12236,	7132, 7146, 7178,	18073, 18705, 18756
12243, 12612,	7184, 7192, 8718,	\bib@beginhook 17435,
12620, 13002,	8733, 8748, 8751,	17441, 18015,
13038, 13070,	8760, 8987, 9010,	18021, 18698, 18704
13099, 13125,	9016, 9025, 10823,	\bib@endhook
13131, 13138,	10837, 10848,	. 17496, 18076, 18759
13335, 13576,	10853, 10861,	\bib@heading
13988, 14049,	13289, 16214,	. 17437, 18020, 18703
14052, 14088,	16236, 16586,	\bibcleanup 15508
14179, 14187,	16608, 16782,	\bibentry 5436,
14378, 14704,	16801, 16815,	5438, 5455, 5457,
14868, 14870,	16986, 17000,	5474, 5476, 5506, 5508
15772, 15897,	17031, 17036,	\bibfont 15487
15904, 15909,	17044, 19908,	\bibindent . . . 2553, 2554



\bibitem@fin 15502	\bidi@thebibliography@font 88, 291, 573,	\bidi@afteroutputboxoutputpagehook 3506,
\bibliofont 85, 288, 13249	. . . 708, 971, 1221,	. . . . . 3507, 11236, 21733
\bibliographyitemlabel 2555, 2562	2561, 6709, 6897,	\bidi@AfterOutputPageShipOut . 3516, 11238, 21745
\bibname . . 5982, 5983,	7206, 8768, 9039,	\bidi@afteroutputpageshipouthook 3516,
6706, 6707, 6894,	10876, 13252,	3517, 11239, 21746
6895, 7203, 7204,	14904, 15489,	\bidi@AfterPackage 4260
9036, 9037, 10873,	16260, 16654,	\bidi@AfterPreamble . . 3530, 3531, 13520
10874, 16257,	16848, 17051,	\bidi@AfterReadingMainAux 4542, 4545
16258, 16651,	17451, 18031,	\bidi@append . . 3439, 3489
16652, 16845,	18714, 19383, 21115	\bidi@append@cslist@to@cslist 3877, 3950
16846, 17048, 17049	\bidi@addto@envbody . . . 2665, 2683, 2685	\bidi@append@list@to@list 3873, 3959
\bibpostamble 15503	\bidi@addto@long@envbody . . . 2689, 2707, 2709	\bidi@append@to@list 3852, 3871
\bibpreamble 15486, 17438,	\bidi@AfterAtEndOfClass 4227, 4232	\bidi@append@toks@cs@to@list 3881
17439, 18017,	\bidi@AfterAtEndOfPackage 4271, 4275	\bidi@appto . . . 3218,
18018, 18700, 18701	\bidi@AfterClass . . 4215	\bidi@apptocmd 3435, 3436, 19293
\bibsection 5977, 5980,	\bidi@AfterEndDocument 3573,	\bidi@are@these@correct 3849, 3852
5982, 5983, 14902,	. . . 3576, 3580, 3586	\bidi@AtBeginEnvironment 3590, 3602
15484, 19377, 19379	\bidi@AfterEndDocumentCheckLabelsRerun . . . 2602, 3545, 3550	\bidi@AtEndEnvironment 3606, 3616
\bidi@@convert@dimen@to@pt 2851	\bidi@afterenddocumentchecklabels@rerunhook . . . 3545, 3546, 3551	\bidi@AtEndOutputPage 2646,
\bidi@@convert@dimen@to@unit 2848	\bidi@AfterEndDocumentHook 3573,	3519, 11244, 21751
\bidi@@diagbox@double@ii 8367, 8371	. . . 3574, 3581, 3587	\bidi@atendoutputpagehook 3519,
\bidi@@diagbox@double@iii 8370, 8378	\bidi@AtEndEnvironment 3630, 3640	3520, 11245, 21752
\bidi@@diagbox@triple@setbox@NW@tabular@ci@ii . . . 8387, 8390, 8394	\bidi@AtEndEnvironment 3606, 3616	\bidi@AtEndPreamble 1790, 3492,
\bidi@@diagbox@triple@setbox@NW@tabular@ci@iii . . . 8393, 8400	\bidi@AtEndEnvironment 3606, 3616	3495, 3524, 3526,
\bidi@@diagbox@triple@setbox@SE@tabular@ci@ii . . . 8409, 8416	\bidi@AtEndEnvironment 3606, 3616	3531, 4622, 5420,
\bidi@@diagbox@triple@setbox@SE@tabular@ci@iii . . . 8412, 8415, 8423	\bidi@AtEndEnvironment 3606, 3616	13589, 15263, 15322
\bidi@End . . . 3584, 3588	\bidi@AtEndEnvironment 3606, 3616	\bidi@autofooterulefalse . . 11404, 11408, 11411
\bidi@@footnotetext@font . . . 38, 241, 5564,	\bidi@AfterFile 4212, 11672,	\bidi@autofooteruletrue 11426
11476, 11483, 11574	17600, 18180, 18863	\bidi@backslash 3673, 3674
\bidi@@loadwithoptions 4138,	\bidi@AfterFooter 3512, 21741	\bidi@BeforeBeginEnvironment 3620, 3628
4145, 4148, 4152	\bidi@AfterFooterHook . . . 3512, 3513, 21742	\bidi@BeforeClass . 4213
\bidi@@LTRfootnotetext@font . . . 68, 270, 5582,	\bidi@AfterLastShipout . . . 3558, 3564, 3570	\bidi@BeforeClosingMainAux 4505, 4516,
11477, 11516, 11560	\bidi@AfterLastShipouthook 3558,	4520, 4523, 4531, 4534
\bidi@@null . . . 3756, 3757	\bidi@AfterLastShipouthook 3558,	
\bidi@@onefilewithoptions . . . 4160, 4163, 4166	\bidi@AfterOutputBoxOutputPage 3506, 11235, 21732	
\bidi@@patchcmd 3330, 3332		
\bidi@@RTLfootnotetext@font . . . 52, 255, 5600,		
11478, 11500, 11546		



\bidi@BeforeFile .. 4211	\bidi@cs@listb 3899, 3901	\bidi@digits@charclass
\bidi@BeforeFooter	\bidi@cs@liste 3897, 3902	1781,
3509, 21734	\bidi@csappto 3262	1785, 1786, 1787, 1788
\bidi@BeforeFooterhook ..	\bidi@csarg 3685,	\bidi@dummies
3509, 3510, 21735	3701, 3775, 3782,	... 3780, 3782, 3783
\bidi@BeforeHeader .	3800, 3805, 3810,	\bidi@eappto
3500, 11228, 21717	3815, 3821, 3826,	... 3222, 3235, 3263
\bidi@beforeheaderhook	3868, 3869, 3887,	\bidi@empty 1795,
3500,	3893, 3904, 3914,	1796, 3755, 3758, 3759
3501, 11229, 21718	3923, 3933, 3937, 3941	\bidi@empty@stack .
\bidi@BeforeOutputBoxOutputPage ..	\bidi@csdefcs 2919	..... 3940, 3946
3503, 11232, 21729	\bidi@csappto 3263, 3266	\bidi@empty@toks ..
\bidi@beforeoutputboxoutputPage ..	\bidi@csappto 3272, 3275	... 3953, 3956, 3960
3503,	\bidi@csappto . 3264,	\bidi@endpreamblehook
3504, 11233, 21730	3591, 3607, 3621, 3631	3492,
\bidi@BeforeOutputPageShipOut ..	\bidi@csappto 3273	3493, 3525, 3527
3497, 11210, 21675	\bidi@cslet 2925	\bidi@ensure@new@command
\bidi@beforeoutputpageshipOut ..	\bidi@csletcs 2922	2930, 2931
3497,	\bidi@csname ... 3697,	\bidi@ensure@newcommand
3498, 11211, 21676	3848, 3854, 3899, 3933	2930, 9236, 9248,
\bidi@BeforePackage 4258	\bidi@cspreto 3271	9249, 9250, 9256,
\bidi@bswitch . 3815, 3817	\bidi@csprotect ... 4002	9257, 9261, 9262,
\bidi@CharsBefore .	\bidi@csuse 3205,	9263, 9264, 9276,
3730, 3732, 3733,	3597, 3611, 3624, 3635	9288, 9310, 9311,
3738, 3742, 3743, 3748	\bidi@csswitch . 3810, 3812	9339, 9340, 9341,
\bidi@CharsBeforeNC 3731	\bidi@csxappto 3265, 3267	9342, 9345, 9351,
\bidi@clearpage 3567, 3569	\bidi@csxpreto 3274, 3276	9353, 9378, 9379,
\bidi@collect@body	\bidi@current@column@status ..	9397, 9412, 9415,
2671, 2678	21334, 21337, 21370	9418, 9423, 9426,
\bidi@collect@body 2666	\bidi@dbg@fail	9428, 9432, 9450,
\bidi@collect@long@body	3290, 3300, 3301,	9460, 9470, 9480,
2695, 2702	3302, 3303, 3309,	9485, 9488, 9491,
\bidi@collect@long@body	3318, 3324, 3431,	9494, 9506, 9519,
2690	3453, 3465, 3466, 3475	9531, 9536, 9541,
\bidi@column@check@number ..	\bidi@dbg@info . 3291,	9559, 9568, 9577,
21332, 21348,	3293, 3296, 3298,	9586, 9591, 9594,
21350, 21352, 21364	3299, 3310, 3312,	9597, 9600, 9611,
\bidi@column@status ..	3314, 3316, 3317,	9623, 9634, 9639,
1729, 1733, 21334	3319, 3321, 3323,	9644, 9662, 9672,
\bidi@column@type .	3429, 3454, 3456,	9682, 9692, 9697,
21349, 21354, 21365	3458, 3461, 3467, 3469	9700, 9703, 9706,
\bidi@copy@stacktop 3935	\bidi@dbg@init . 3288,	9718, 9731, 9743,
\bidi@copyins@amount ..	3307, 3428, 3451	9748, 9753, 9771,
12012, 12013,	\bidi@dbg@succ . 3334,	9781, 9791, 9801,
12014, 12017,	3430, 3462, 3470, 3472	9806, 9809, 9812,
12022, 12023, 12035	\bidi@dbg@trce . 3281,	9815, 9827, 9840,
\bidi@counter@page	3327, 3427, 3436, 3444	9852, 9857, 9862,
2616, 2645	\bidi@default	9880, 9890, 9900,
\bidi@cs@a ... 3758, 3759	... 3800, 3805,	9910, 9915, 9918,
\bidi@cs@e 3929, 3930,	3810, 3815, 3821, 3826	9921, 9924, 9936,
3932, 3933, 3936, 3938	\bidi@del@tok@from@list	9949, 9961, 9966,
\bidi@cs@lista	3896	9971, 9989, 9999,
3902, 3903,	\bidi@digits ... 1779,	10009, 10019,
3904, 3905, 3914, 3915	1785, 1786, 1787	10024, 10027,



10030,	10033,	3229, 3233, 3243,	\bidi@ifpatchable .
10045,	10058,	3247, 3251, 3255, 3473	... 3284, 3286, 3333
10070,	10075,	\bidi@ff@box 11252, 11270	\bidi@ifpatchable@i
10080,	10098,	\bidi@firstcolumn@status@write	... 3284, 3305
10108,	10118,	..... 1727,	\bidi@ifpattern 3297, 3396
10128,	10133,	1735, 7585, 7644,	\bidi@ifscanable 3294,
10136,	10139,	11058, 11094,	3315, 3364, 3459
10142,	10154,	11929, 11982,	\bidi@in@front@of@cslist
10167,	10179,	14981, 15077,	..... 3905, 3906
10184,	10189,	21341, 21404, 21447	\bidi@in@front@of@list
10207,	10217,	\bidi@font@@outputpage	..... 3904
10227,	10237,	. 11218, 21666, 21708	\bidi@info 2941
10242,	10245,	\bidi@footdir@footnote	\bidi@init@mult@footinsv@l
10248,	10251,	..... 79, 282,	..... 15336, 15350
10263,	10276,	11531, 11533, 11537	\bidi@init@mult@footinsv@r
10288,	10293,	\bidi@fswitch . 3826, 3828	..... 15332, 15348
10298,	10316,	\bidi@gappto	\bidi@invert@csstack
10326,	10336,	2640, 3226, 3264,	..... 3945
10346,	10351,	3492, 3497, 3500,	\bidi@IsEmptyList . 3759
10354,	10357,	3503, 3506, 3509,	\bidi@isloaded
10360,	10372,	3512, 3516, 3519,	... 3356, 13639,
10385,	10397,	3533, 3545, 3558, 3573	13640, 13641,
10402,	10407,	\bidi@gobbleopt 4462, 4471	13642, 13643,
10415,	10422,	\bidi@gpreto .. 3248, 3273	13644, 13645,
10426,	10436,	\bidi@hook@acma 4486,	13646, 13647,
10444,	10457,	4530, 4543, 4544, 4549	13648, 13649,
10575,	10593,	\bidi@hook@bcma 4480,	13650, 13651,
10605,	10617,	4529, 4532, 4533, 4539	13652, 13653,
10621,	10625,	\bidi@hooktocmd ...	13654, 13655,
10629,	10654,	... 3439, 3447, 3449	13656, 13657,
10668,	10682,	\bidi@hooktocmd@i .	13658, 13659,
10692,	10702,	..... 3463, 3477	13660, 13661,
10711,	10720,	\bidi@hop@ES .. 3719, 3721	13662, 13663,
10732,	10738,	\bidi@ifblank@i ...	13664, 13665,
10742, 10753, 10754		... 2891, 2892, 2894	13666, 13667,
\bidi@ensure@newlength		\bidi@ifdefmacro 2897,	13668, 13669,
... 2937, 9260, 9343		2899, 2900, 2901	13670, 13671,
\bidi@epreto		\bidi@ifdefparam 3409,	13672, 13673,
... 3244, 3257, 3272		3411, 3412, 3413	13674, 13675,
\bidi@eqs@a ... 3711, 3712		\bidi@ifdefprotected	13676, 13677,
\bidi@eqs@b ... 3711, 3712		..... 3418,	13678, 13679,
\bidi@EqualString . 3711		3420, 3421, 3422	13680, 13681,
\bidi@EqualStringX 3716		\bidi@ifEmpty 3758	13682, 13683,
\bidi@error 2939,		\bidi@ifempty 3756	13684, 13685,
3190, 3785, 3892, 4061		\bidi@ifemptyX 3757	13686, 13687,
\bidi@everyjob . 1534,		\bidi@ifhashcheck .	13688, 13689,
1535, 1860, 1861		... 3295, 3380, 3460	13690, 13691,
\bidi@excludedpackages		\bidi@ifhashcheck@i	13692, 13693,
4299, 4300, 4320,		..... 3384, 3386	13694, 13695,
4356, 4373, 4381,		\bidi@ifhashcheck@ii	13696, 13697,
4391, 4413, 4414,		..... 3388,	13698, 13699,
4422, 4423, 4428, 4441		3391, 3392, 3393	13700, 13701,
\bidi@expandonce ..		\bidi@ifNextChar .. 3766	13702, 13703,
3210, 3221, 3225,			13704, 13705,



13706,	13707,	.. 19909, 19910,	\bidi@lst@caption@script
13708,	13709,	19911, 20018,	..... 13545,
13710,	13711,	20038, 20069,	13546, 13562, 13565
13712,	13715,	20070, 20102, 21023	\bidi@lst@ensure@caption@direction
13718,	13721,	\bidi@length@of@csstack	..... 13549,
13724,	13727,	... 3941, 3942, 3945	13574, 13576,
13730,	13733,	\bidi@length@of@stack	13578, 13597,
13736,	13740,	..... 3941, 3955	13601, 13608, 13617
13743,	13746,	\bidi@load@hook 4131,	\bidi@lst@ensure@caption@script
13749,	13752,	4134, 4167, 4204	. 13560, 13572, 13616
13755,	13758,	\bidi@loadwithoptions	\bidi@make@mppara@LTRfootgroup
13761,	13764,	... 4139, 4140, 4145	. 10482, 10544, 10711
13767,	13770,	\bidi@local@in@front@of@list	\bidi@make@para@footstart@
13773,	13776,	..... 3909, 3926	. 10473, 10531, 10732
13779,	13782,	\bidi@local@push@onto	\bidi@make@para@LTRfootgroup
13785,	13788,	..... 3925	. 10471, 10529, 10692
13791,	13794,	\bidi@looprepeat@comp	\bidi@makecolbf ...
13797,	13800,	... 4019, 4055, 4060	..... 10794, 10808
13803,	13806,	\bidi@looprepeat@csarg	\bidi@matrix@check
13809,	13812,	..... 3997, 4049	..... 2722, 21100
13815,	13818,	\bidi@looprepeat@csargromannumeral	\bidi@matrix@error
13821,	13824,	..... 3999,	..... 2724, 2728
13827,	13830,	4014, 4015, 4016,	\bidi@mopfn@bottom
13833,	13836,	4017, 4018, 4021,	..... 9399,
13839,	13842,	4026, 4027, 4028,	10723, 10759,
13845,	13848,	4029, 4030, 4032,	10772, 10809, 10810
13851,	13854,	4038, 4051, 4053,	\bidi@mopfootnotebf
13857,	13860,	4054, 4055, 4062,	..... 10768, 10802
13863,	13866,	4063, 4065, 4070, 4078	\bidi@mpfootnoterule
13869,	13872,	\bidi@looprepeat@csromannumeral	.. 11308, 11542,
13875,	13878,	... 3998, 4022,	11556, 11570,
13881,	13884,	4030, 4033, 4049, 4077	11608, 14153, 19291
13887,	13890,	\bidi@looprepeat@depth	\bidi@mswitch . 3821, 3823
13893,	13896,	..... 3998,	\bidi@multicol@align@columns
13899,	13902,	3999, 4001, 4013, 4039	..... 15205,
13905,	13908,	\bidi@looprepeat@dxbody	15256, 15259, 15261
13911,	13914,	..... 4022, 4026	\bidi@n@everypar ..
13917,	13920,	\bidi@looprepeat@setup	.. 15899, 15900,
13923, 13926, 13929		..... 4019, 4045	15901, 15902,
\bidi@lastcolumn@status@write		\bidi@looprepeat@sign	20794, 20979,
.... 1731, 1736,		... 4019, 4030, 4060	20980, 20981, 20982
7589, 7650, 11062,		\bidi@looprepeat@tmp	\bidi@namedef 3642
11100, 11935,		4020, 4021, 4048,	\bidi@nameedef 3644
11986, 14985,		4050, 4053, 4058,	\bidi@namegdef
15083, 21408, 21453		4065, 4068, 4070, 4073	... 2645, 2943, 3643
\bidi@leave@mult@copyins		\bidi@looprepeat@traceexit	\bidi@namelongdef . 2928
..... 15318, 15410		..... 4004, 4039	\bidi@namexdef 3645
\bidi@leave@mult@footins@v		\bidi@looprepeat@traceinit	\bidi@new@command .
..... 15328, 15406		..... 4004, 4012	..... 3162,
\bidi@leave@mult@footins@v		\bidi@looprepeat@zero	3164, 3193, 3201
..... 15324, 15402		... 4019, 4038, 4076	\bidi@new@ifnch 2716, 2718
\bidi@left@footnoterule		\bidi@lst@caption@direction	\bidi@new@ifnextchar
. 14067, 14073, 14078		..... 13538,	..... 2713, 21105
\bidi@leftskip		13539, 13551, 13554	



\bidi@newcommand ..	\bidi@orig@raggedleft	\bidi@patch@OrgIfPackageLater
..... 3164, 3166	. 21233, 21235, 21236	..... 4626, 4631
\bidi@newrobustcmd	\bidi@orig@raggedright	\bidi@patch@OrgIfPackageLoaded
..... 1602,	. 21234, 21235, 21236	..... 4625, 4630
1604, 3161, 3162,	\bidi@orig@rightline	\bidi@patch@stepcounter
3186, 3197, 3218,	. 21249, 21250, 21251	... 4564, 4574, 4593
3222, 3226, 3230,	\bidi@oswitch 3805	\bidi@patch@temp ..
3235, 3236, 3240,	\bidi@p@ftn 2142, 2205,	..... 4592, 4596
3244, 3248, 3252,	2207, 2208, 2210,	\bidi@patch@try 4611, 4614
3257, 3258, 3262,	2211, 2213, 2214,	\bidi@patchcmd
3263, 3264, 3265,	2218, 2221, 2224, 2329	.. 171, 179, 188,
3266, 3267, 3271,	\bidi@p@ftntext ...	338, 3326, 3327,
3272, 3273, 3274,	... 2189, 2206, 2311	3548, 3561, 3578,
3275, 3276, 3280,	\bidi@p@LTRftntext	3595, 3609, 3633,
3326, 3425, 3435,	... 2190, 2209, 2312	4853, 8365, 8368,
3443, 3492, 3495,	\bidi@p@RTLftntext	8385, 8388, 8391,
3497, 3500, 3503,	... 2191, 2212, 2313	8407, 8410, 8413,
3506, 3509, 3512,	\bidi@p@xfootnote .	8431, 8439, 8447,
3516, 3519, 3530,	... 2193, 2227, 2315	8456, 8465, 8474,
3533, 3536, 3545,	\bidi@p@xftntext 2192,	12280, 13180,
3558, 3573, 3576,	2217, 2232, 2314	13188, 13196,
3590, 3606, 3620,	\bidi@p@xLTRfootnote	13204, 13212,
3630, 21073, 21075	... 2195, 2235, 2317	13221, 13229,
\bidi@next	\bidi@p@xLTRftntext	13238, 13496,
3732, 3733, 3735,	..... 2194,	13502, 13510,
3737, 3738, 3740,	2220, 2240, 2316	13590, 13603,
3745, 3747, 3748, 3750	\bidi@p@xRTLfootnote	14059, 15344,
\bidi@NextChar 3763	... 2197, 2243, 2319	15353, 15374,
\bidi@normal@footmarkwidth	\bidi@p@xRTLftntext	15381, 15388,
9245, 9303, 9309,	..... 2196,	15396, 15647,
9448, 9557, 9660,	2223, 2248, 2318	19280, 19288, 21471
9769, 9878, 9987,	\bidi@page@count 2583,	\bidi@patchcmd@scantoks
10096, 10205,	2584, 2618, 2647	... 3344, 3350, 3485
10314, 10509, 10571	\bidi@paraskip 10493,	\bidi@pdfencrypt@keylength
\bidi@notblank . 2893,	10496, 10500,	..... 1655, 1808
2901, 3413, 3422	10555, 10558, 10562	\bidi@pdfencrypt@ownerpassword
\bidi@nxt@a	\bidi@patch@@AfterPackage	... 1652, 1795, 1807
... 3764, 3767, 3769	..... 4594, 4599	\bidi@pdfencrypt@permissionflags
\bidi@nxt@b	\bidi@patch@Add 4581, 4610	..... 1658, 1809
... 3764, 3767, 3770	\bidi@patch@AfterPackage	\bidi@pdfencrypt@userpassword
\bidi@nxt@c .....	.... 4584, 5532,	... 1649, 1796, 1806
... 3765, 3768, 3769	5534, 5537, 5558,	\bidi@pdfm@mark 1933, 1948
\bidi@nxt@ch	5709, 5759, 5815, 6059	\bidi@pickescape .. 3706
... 3764, 3767, 3769	\bidi@patch@counter	\bidi@pop@cs@into .
\bidi@o@everypar ..	.... 4562, 4566,	..... 3929, 3948
..... 15898,	4569, 4575, 4576, 4595	\bidi@pop@into 3932, 3958
15900, 15901,	\bidi@patch@gtemp .	\bidi@pos . 2943, 2951,
20978, 20980, 20981	..... 4602, 4609	2979, 3005, 3033,
\bidi@oldwbuskip ..	\bidi@patch@list 4580,	3059, 3062, 3096, 3099
..... 3891, 3894	4582, 4620, 4622, 4629	\bidi@poscount . 2945,
\bidi@onefilewithoptions	\bidi@patch@OrgIfClassLater	2948, 2951, 2968,
... 4155, 4156, 4160	..... 4628, 4633	2970, 2979, 2993,
\bidi@orig@leftline	\bidi@patch@OrgIfClassLoaded	2995, 3002, 3005,
. 21248, 21250, 21251	..... 4627, 4632	3022, 3024, 3033,



3047, 3049, 3056, 3059, 3062, 3079, 3081, 3085, 3087, 3096, 3099, 3113, 3115, 3119, 3121, 3128, 3130, 3131, 3133, 3134, 3137, 3138, 3145, 3147, 3148	\bidi@push@begins 2675, 2676, 2679 \bidi@push@cs@onto@cs 3922, 3949 \bidi@push@long@begins ... 2699, 2700, 2703 \bidi@push@onto ... 3923 \bidi@push@onto@cs 3923, 3924 \bidi@raggedleft 2496, 2503, 2508, 2527, 8064, 8180, 11026, 11032, 12396, 21238 \bidi@raggedright . .. 11024, 11030, 15418, 15421, 15423, 15426, 15428, 15430, 15433, 15435, 15437, 15439, 15442, 15444, 15446, 15448, 15450, 15453, 15455, 15458, 15460, 15463, 15465, 15467, 15470, 15472, 15474, 15477, 15479, 15481, 21237 \bidi@rcol@copyinsskip 11892, 11897, 11906, 11955 \bidi@redefine@newpage 4496, 4536 \bidi@reflect@box . .. 15976, 15983, 21067, 21074, 21076 \bidi@reinsert@footnotesv@l .. 15342, 15351, 15379, 15386, 15393 \bidi@reinsert@footnotesv@r .. 15340, 15349, 15378, 15385, 15392 \bidi@renew@command @write ... 3186, 3188, 3202 \bidi@renewrobustcmd 3186 \bidi@ReplaceClass 4186 \bidi@replacefile@msg 4123, 4147, 4162, 4200 \bidi@ReplaceInput 4170 \bidi@ReplacePackage 4183	\bidi@RequirePackage ... 4322, 4382, 4433 \bidi@ResetPreventPackageFromLoading 4374, 4380, 4389, 4428 \bidi@resrvda 3336, 3337, 3338, 3341, 3342, 3343, 3344, 3345, 3346, 3351, 3354, 3366, 3367, 3368, 3369, 3370, 3372, 3373, 3382, 3384, 3398, 3399, 3401, 3403, 3404, 3479, 3480, 3481, 3482, 3483, 3484, 3485, 3486, 3487 \bidi@resrvdb . 3338, 3339 \bidi@restore@newpage ... 4481, 4498, 4528 \bidi@restorecatcode 3690 \bidi@right@footnoterule . 14068, 14071, 14080 \bidi@rightskip 19905, 20013, 20039, 20040, 20048, 20052, 20056, 21024 \bidi@RTL@everypar .. 10582, 10594, 10606, 10637, 10656, 10670, 15897, 15901, 19029, 20977, 20981 \bidi@stffftextcol 11249, 11253 \bidi@saved@checkend ... 4473, 4476, 4494 \bidi@saved@clearpage ... 4478, 4479, 4482 \bidi@saved@dofilelist 4484, 4487, 4488, 4495 \bidi@saved@eqno 15987, 15989, 15990, 21764, 21766, 21767 \bidi@saved@leqno 15988, 15989, 15990, 21765, 21766, 21767 \bidi@saved@newpage 4497, 4508
---	--	--



\bidi@samed@RequirePackage	1726, 1739, 1740, 1746, 1747, 1756, 1757	\bidi@xargdef . 3168, 3176
.... 4301, 4321, 4332, 4384, 4386, 4464	\bidi@tempcountb 3677, 3946, 3947, 3956, 3957	\bidi@xparaskip 10454, 10492, 10554, 10573
\bidi@sepmark@charclass	\bidi@temptoksa 3678, 3946, 3949, 3950, 3951, 3953, 3956, 3960	\bidi@xpreto 3252, 3258, 3274
..... 1782, 1783, 1784, 1788	\bidi@temptoksb 3679, 3948, 3949, 3950, 3951	\bidicolor 7331, 7387, 7402, 7404, 11250, 20920, 20967, 20970, 20971
\bidi@set@column@status	\bidi@todonotes@tempa 20670, 20678	\bidics 3674
. 21336, 21364, 21369	\bidi@todonotes@tempb 20670, 20671, 20678, 20679	\bididate . 1502, 1504, 1519, 1584, 1587, 1827, 1845, 1924, 1927
\bidi@set@cslst ..	\bidi@tok@SM .. 3897, 3902	\bidiGscale@box 12216, 12217
..... 3915, 3916	\bidi@toks@lista .. 3862, 3864, 3865, 3866, 3867, 3898, 3900, 3906, 3907, 3909, 3911, 3916, 3917	\bidiGscale@box 12193, 12194, 12213
\bidi@set@load@hook	\bidi@toks@listb 3862, 3898, 3900	\bidiGscale@box@dd . 12225, 12229, 12235
.... 4208, 4211, 4212, 4214, 4233, 4245, 4259, 4276, 4287	\bidi@undef 3346, 3425, 3487, 3527, 3542, 19764, 19765, 19921, 19922, 20123, 20124	\bidiGscale@box@dddd 12231, 12242
\bidi@SOUL@uleaders	\bidi@undef 3346, 3425, 3487, 3527, 3542, 19764, 19765, 19921, 19922, 20123, 20124	\bidillap 21253
.... 19070, 19076	\bidi@undefinedcs . 3775, 3782, 3837, 3841, 3847, 3851, 3892	\bidipdfinfoff ... 1945
\bidi@stack@length	\bidi@unPreventPackageFromLoading 4394	\bidipdfinfoon 1944, 1950
3940, 3942, 3943, 3947, 3948, 3957, 3958	\bidi@unReplaceClass 4197	\bidipoem@hvlen 6304, 6310, 6313, 6316, 6325
\bidi@star@footmarkwidth	\bidi@unReplaceInput 4174	\bidipoem@half@verses ... 6330, 6331, 6334
.... 9245, 9306, 9448, 9557, 9660, 9769, 9878, 9987, 10096, 10205, 10314, 10509, 10571	\bidi@unReplacePackage 4194	\bidipoem@half@verses@next ... 6330, 6331, 6332
\bidi@storecatcode 3683	\bidi@version .. 1503, 1504, 1519, 1536, 1538, 1544, 1550, 1584, 1587, 1590, 1829, 1845, 1865, 1867, 1924, 1927, 1930	\bidipoem@hvind ... 6304, 6307, 6308, 6316, 6317, 6320, 6323
\bidi@storePreventPackageFromLoading	\bidi@w@w 3837	\bidipoem@hvlen 6303, 6308, 6310, 6321, 6323
..... 4390, 4393	\bidi@warning .. 2940, 3600, 3614, 3626, 3638	\bidipoem@hvsep 6303, 6316, 6317, 6324
\bidi@StringBefore 3741	\bidi@willbeunhskip ... 3884, 3891, 3894	\bidipoem@next 6309, 6310
\bidi@StringBeforeNC	\bidi@x@stack@to@list 3955	\bidipoem@openbox 6348, 6353
..... 3729	\bidi@xappto 3230, 3236, 3265	\bidipoem@p@ftn 6355, 6365, 6489, 6490, 6492, 6493, 6495, 6496, 6499, 6502, 6505, 6610, 12853, 12863, 12884, 12894, 12915, 12925
\bidi@switch ... 3789, 3800, 3802, 3807		\bidipoem@p@ftntext 6382, 6393, 6488, 6599, 6613, 12851
\bidi@switch@exit .		\bidipoem@p@LTRftntext 6383, 6394, 6491, 6600, 6614, 12882
3799, 3800, 3801, 3805, 3806, 3810, 3811, 3815, 3816, 3821, 3822, 3826, 3827		
\bidi@t@w@w 3850		
\bidi@tabular@RTLcases		
..... 21080, 21107		
\bidi@tempa 1664, 1670, 1676, 1682, 1688, 1694, 1706, 1712, 1718, 1725, 1739, 1746, 1756		
\bidi@tempb 1664, 1665, 1670, 1671, 1676, 1677, 1682, 1683, 1688, 1689, 1694, 1695, 1706, 1707, 1712, 1713, 1718, 1719, 1725,		



<code>\bidipoem@p@RTLftntext</code>	<code>\blacktriangleleft</code>	11930,	11936,
6384, 6395, 6494,	..... 11734, 11736	11983,	11987,
6601, 6615, 12913	<code>\blacktriangleright</code>	12026,	12038,
<code>\bidipoem@p@xfootnote</code>	..... 11734, 11736	12049,	12059,
..... 6386,	<code>\bm@b</code> 21313	12072,	12144,
6397, 6507, 6603, 6617	<code>\bm@l</code> 21310	12161,	12164,
<code>\bidipoem@p@xftntext</code>	<code>\bm@r</code> 21311	12207,	12210,
.... 6385, 6396,	<code>\bm@t</code> 21312	12240,	12257,
6498, 6512, 6602, 6616	<code>\bool</code> ... 14179, 14187,	13584,	13992,
<code>\bidipoem@p@xLTRfootnote</code>	14318, 14335,	14043,	14049,
..... 6388,	14336, 14380,	14059,	14061,
6399, 6514, 6605, 6619	14386, 14401,	14063,	14397,
<code>\bidipoem@p@xLTRftntext</code>	14424, 14427,	14655,	14666,
.... 6387, 6398,	14447, 14452,	14671,	14705,
6501, 6519, 6604, 6618	14464, 14481,	14706,	14707,
<code>\bidipoem@p@xRTLfootnote</code>	14482, 14485,	14708,	14710,
..... 6390,	14502, 14527,	14839,	14873,
6401, 6521, 6607, 6621	14534, 14540,	14982,	14986,
<code>\bidipoem@p@xRTLftntext</code>	14546, 14556,	15078,	15084,
.... 6389, 6400,	14563, 14585,	15221,	15227,
6504, 6526, 6606, 6620	14697, 14700,	15242,	15250,
<code>\bidipoem@set@@verse</code>	14708, 14709,	15628,	15636,
... 6310, 6313, 6315	15629, 15631, 15640	15641,	15772,
<code>\bidipoem@set@verseI</code>	<code>\boolean</code>	15776,	15792,
..... 6309, 6312	4641, 4701, 4703,	15826,	15830,
<code>\bidipoem@spreadbox</code>	4706, 4710, 4713,	15835,	15839,
..... 6299,	4716, 4741, 4837,	15851,	15862,
6321, 6323, 6324, 6325	4852, 4863, 4883,	15876,	15879,
<code>\bidirlap</code> 21252	4890, 4898, 4915,	15883,	15888,
<code>\bidituftefloatDebugInfoNL</code>	4935, 4939, 4957,	15964,	15980,
..... 4641,	4958, 4961, 4962,	16025,	16028,
4729, 4733, 5028, 5077	4997, 5006, 5017,	17092,	17101,
<code>\bidituftefloatError</code>	5762, 5766, 5814,	17139,	17150,
..... 4640, 5123	6027, 6164, 6233,	17573,	17583,
<code>\bidituftefloatInfoNL</code>	6244, 11264, 15662	18153,	18163,
... 4641, 4642, 5192	<code>\botmark</code> ... 11243, 21750	18383,	18389,
<code>\bidituftefloatRecalculate</code>	<code>\box</code> .. 1639, 1916, 5178,	18395,	18401,
..... 4758, 4769	7238, 7302, 7370,	18407,	18413,
<code>\bidituftehyperrefLoadHyperref</code>	7527, 7530, 7547,	18419,	18425,
..... 6017, 6028	7551, 7586, 7590,	18431,	18836,
<code>\bidituftesidenotemarginpar</code>	7596, 7597, 7645,	18846,	19272,
... 5208, 5560, 5719	7651, 7655, 7656,	19318,	19336,
<code>\bidituftetocError</code>	7882, 7887, 7894,	20864,	20865,
... 5748, 5795, 5804	7901, 7937, 8221,	20875,	21071,
<code>\bidiversion</code> .. 1536, 1862	8242, 8258, 8315,	21255,	21405,
<code>\bigskip</code> 16038	9418, 9423, 10419,	21409,	21448,
<code>\bigskipamount</code>	10433, 10442,	21454,	21473,
9406, 9411, 10494,	10785, 10796,	21489,	21621,
10498, 10556, 10560	11059, 11063,	21637,	21648,
<code>\bl</code> 15803, 15804,	11095, 11101,	21661,	21663,
15807, 15808,	11144, 11234,	21727, 21731, 21761	
15809, 15813,	11267, 11272,	<code>\boxdef</code> 2091,	
15868, 15875, 15879	11832, 11839,	2093, 2099, 2104, 2109	
	11842, 11856,	<code>\boxmaxdepth</code> ... 8213,	



8218, 8234, 8239, 8266, 8323, 9313, 10755, 10770, 10991, 11785, 11787, 12111, 21476, 21492, 21503	\br 15803, 15805, 15807, 15808, 15809, 15813, 15869, 15875, 15883	\bx@g 5043, 5070, 5111 \bx@GG 5084, 5117 \bx@H 5064, 5105 \bx@h 5044, 5070, 5111 \bx@HH 5085, 5117 \bx@I 5064, 5105 \bx@i 5045, 5070, 5111 \bx@II 5086, 5117 \bx@J 5064, 5105 \bx@j 5046, 5070, 5111 \bx@JJ 5087, 5117 \bx@K 5065, 5106 \bx@k 5047, 5071, 5112 \bx@KK 5088, 5118 \bx@L 5065, 5106 \bx@l 5048, 5071, 5112 \bx@LL 5089, 5118 \bx@M 5065, 5106 \bx@m 5049, 5071, 5112 \bx@MM 5090, 5118 \bx@N 5065, 5106 \bx@n 5050, 5071, 5112 \bx@NN 5091, 5118 \bx@O 5066, 5107 \bx@o 5051, 5072, 5113 \bx@OO 5092, 5119 \bx@P 5066, 5107 \bx@p 5052, 5072, 5113 \bx@PP 5093, 5119 \bx@Q 5066, 5107 \bx@q 5053, 5072, 5113 \bx@QQ 5094, 5119 \bx@R 5066, 5107 \bx@r 5054, 5072, 5113 \bx@RR 5095, 5119 \bx@S 5027, 5029, 5067, 5108 \bx@s 5055, 5073, 5114 \bx@SS 5096, 5120 \bx@T 5030, 5067, 5108 \bx@t 5056, 5073, 5114 \bx@TT 5097, 5120 \bx@U 5031, 5067, 5108 \bx@u 5057, 5073, 5114 \bx@UU 5098, 5120 \bx@V 5032, 5067, 5108 \bx@v 5058, 5073, 5114 \bx@VV 5099, 5120 \bx@W 5033, 5068, 5109 \bx@w 5059, 5074, 5115 \bx@WW 5100, 5121 \bx@X 5034, 5068, 5109 \bx@x 5060, 5074, 5115 \bx@XX 5101, 5121 \bx@Y 5035, 5068, 5109	\bx@y 5061, 5074, 5115 \bx@YY 5102, 5121 \bx@Z 5036, 5068, 5109 \bx@z 5062, 5074, 5115 \bx@ZZ 5103, 5121 \bye 1948 \bystep 3965, 3977, 4061, 4074, 4084, 4097, 4110, 4111
C			
		\c 14381, 14382, 14396, 14658, 14739 \c@abspage 11339 \c@addvipersep 14926, 14944, 14949, 14971, 15001, 15026, 15044, 15049, 15071, 15098 \c@algocf 168 \c@chapter 6740, 6742, 6744, 6917, 6919, 6921, 7162, 7164, 7166, 7167, 8994, 8996, 8998, 8999, 10984, 10986, 10988, 11276, 11278, 11280, 11281, 11289, 11291, 11293, 11294, 13634, 14801, 15531, 16280, 16282, 16284, 16645, 16647, 16649, 16834, 16836, 16838, 17016, 17018, 17020, 17021 \c@colht 14926, 14938, 14964, 14965, 15026, 15038, 15064, 15065 \c@curpg 11158, 11185, 11186 \c@DFNsloppiness 8211, 8232 \c@enumiv 574, 581, 709, 716, 972, 979, 1222, 1229, 2572, 6710, 6717, 6898, 6905, 7207, 7214, 8769, 8776, 9040, 9047, 10877, 10884,	



16261, 16268,	.. 11542, 11556,	16841, 17024,
16655, 16662,	11570, 11595, 14162	17427, 17983, 18678
16849, 16856,	\c@NAT@ctr 15490	\c@table .. 6744, 6921,
17052, 17059,	\c@page 6171,	7166, 8998, 10988,
17453, 17462,	8493, 8521, 11158,	11280, 11293,
17469, 18033,	11185, 20827, 21617	14803, 16284,
18042, 18049,	\c@paragraph	16647, 16838,
18716, 18725,	.. 548, 702, 956,	17020, 18003, 18690
18732, 19384, 19391	1215, 6737, 6914,	\c@thisframe
\c@equation 6740,	7171, 8880, 9003,	.. 11157, 11162,
6917, 7162, 8608,	10981, 11285,	11198, 11200, 11201
8677, 8994, 10984,	11298, 14796,	\c@tocdepth ... 3, 198,
11276, 11289,	16277, 16642,	508, 525, 644, 660,
14801, 16280,	16842, 17025,	678, 871, 904, 922,
16649, 16834,	17429, 17985, 18680	1127, 1143, 1161,
17016, 18011, 18694	\c@poem@no 6440,	6644, 6660, 6676,
\c@figure . 6742, 6919,	6482, 6534, 6545	6821, 6837, 6853,
7164, 8996, 10986,	\c@secnumdepth	7124, 7139, 8711,
11278, 11291,	..... 304, 551,	8725, 8980, 10815,
14802, 16282,	560, 6981, 7176,	10830, 13291,
16645, 16836,	8738, 8747, 9008,	15146, 15158,
17018, 17995, 18686	10847, 16042, 17030	15170, 16190,
\c@footnote 128,	\c@section 6734,	16206, 16222,
318, 453, 745,	6911, 7168, 9000,	16562, 16578,
804, 997, 1056,	10978, 11282,	16594, 16794,
1247, 1306, 1986,	11295, 14790,	16808, 16978,
6755, 6932, 7069,	15541, 16274,	16993, 19460,
8828, 8925, 10928,	16639, 16839,	19464, 19506,
11617, 11631,	17022, 17979, 18674	19525, 19547,
12666, 12776,	\c@subparagraph ...	19564, 19581,
12784, 12814,	.. 549, 703, 957,	19598, 19890,
12822, 13329,	1216, 6738, 6915,	19998, 20033,
14023, 14026,	7172, 8881, 9004,	20421, 20617, 21315
16297, 16356,	10982, 11286,	\c@tracingmulticols
16436, 16497,	11299, 14798,	..... 15354, 15372
16693, 16736,	16278, 16643,	\c@twb 7537
16923, 17268,	16843, 17026,	\c@twcompctr 7518
17332, 17817,	17431, 17987, 18682	\c@twcompoddctr ... 7534
17881, 18516, 18580	\c@subsection	\c@twfirst 7519, 7525,
\c@Hy@AnnotLevel ..	.. 546, 700, 954,	7532, 7536, 7545, 7548
..... 12988,	1213, 6735, 6912,	\c@twlftside 7523
12989, 12994, 12998	7169, 8878, 9001,	\c@twlspec 7537, 7540, 7544
\c@L@lines	10979, 11283,	\c@twprune 7523,
. 13469, 13471, 13474	11296, 14792,	7524, 7540, 7544
\c@ll@chapseci 7412	16275, 16640,	\c@twrounds 7535,
\c@ll@chapsecii ... 7407	16840, 17023,	7538, 7541, 7553
\c@lofdepth . 19615, 19652	17425, 17981, 18676	\c@twrtside 7524
\c@lor@error	\c@subsubsection ..	\c@twslicea 7521,
7376, 7383, 7391,	.. 547, 701, 955,	7523, 7527, 7530,
7397, 20912, 20946	1214, 6736, 6913,	7539, 7540, 7547, 7551
\c@lotdepth . 19633, 19672	7170, 8879, 9002,	\c@twsliceb 7522,
\c@lstlisting 13634, 13636	10980, 11284,	7524, 7527, 7530,
\c@LT@chunks 13975	11297, 14794,	7543, 7544, 7547, 7551
\c@mpfootnote	16276, 16641,	\c@twwinlines . 7520, 7533



<code>\cftbeforesubtabskip</code>	<code>\cftsubfigindent</code> ..	<code>\cfttabpresnum</code> ... 19642
..... 19673	..... 19654, 19657	<code>\chapnumfont</code> 16041
<code>\cftbeforetabskip</code> 19634	<code>\cftsubfignumwidth</code> 19660	<code>\chapter</code> 5760,
<code>\cftchapaftersnum</code> 19517	<code>\cftsubfigpresnum</code> 19661	5788, 5858, 5866,
<code>\cftchapaftersnumb</code> 19518	<code>\cftsubparaftersnum</code>	5982, 5988, 6706,
<code>\cftchapfillnum</code> .. 19521	..... 19608	6894, 7203, 9036,
<code>\cftchapfont</code> 19520	<code>\cftsubparaftersnumb</code>	10873, 16257,
<code>\cftchapindent</code> ....	..... 19609	16651, 16845, 17048
. 19509, 19512, 19759	<code>\cftsubparafillnum</code> 19612	<code>\chapterheadendvskip</code>
<code>\cftchapnumwidth</code> ..	<code>\cftsubparafont</code> .. 19611	..... 16047
..... 19515, 19760	<code>\cftsubparaindent</code> .	<code>\chapterheadstartvskip</code>
<code>\cftchappresnum</code> .. 19516	..... 19600, 19603	..... 16039
<code>\cftchapterprecistoc</code>	<code>\cftsubparanumwidth</code>	<code>\chaptermark</code> . 6245, 19419
..... 19758	..... 19606	<code>\chaptername</code> .. 308, 14810
<code>\cftdot</code> 19456	<code>\cftsubparapresnum</code> 19607	<code>\chapterstyle</code> 14805
<code>\cftdotfill</code> 19750	<code>\cftsubsecaftersnum</code>	<code>\char</code> 1789, 2063, 2064, 3674
<code>\cftdotsep</code> 19749	..... 19557	<code>\chardef</code> 3673,
<code>\cftfigaftersnum</code> . 19625	<code>\cftsubsecaftersnumb</code>	11743, 13538,
<code>\cftfigaftersnumb</code> 19626	..... 19558	13539, 13545, 13546
<code>\cftfigfillnum</code> ... 19629	<code>\cftsubsecfillnum</code> 19561	<code>\check@floats</code> 7962
<code>\cftfigfont</code> 19628	<code>\cftsubsecfont</code> ... 19560	<code>\CheckCommand</code> 12773, 12811
<code>\cftfigindent</code> 19617, 19620	<code>\cftsubsecindent</code> ..	<code>\checkoddpage</code> 4740
<code>\cftfignumwidth</code> .. 19623	..... 19549, 19552	<code>\CIIIAAny</code> 2081
<code>\cftfigpresnum</code> ... 19624	<code>\cftsubsecnumwidth</code> 19555	<code>\ciiAny</code> 2089
<code>\cftparaftersnum</code> 19591	<code>\cftsubsecpresnum</code> 19556	<code>\circle</code> 7426, 7429, 7436,
<code>\cftparaftersnumb</code> 19592	<code>\cftsubsubsecaftersnum</code>	7439, 7449, 7452,
<code>\cftparafillnum</code> .. 19595	..... 19574	7459, 7462, 7472,
<code>\cftparafont</code> 19594	<code>\cftsubsubsecaftersnumb</code>	7475, 7482, 7485,
<code>\cftparaindent</code> ....	..... 19575	7495, 7498, 7505, 7508
..... 19583, 19586	<code>\cftsubsubsecfillnum</code>	<code>\cite</code> 5422,
<code>\cftparanumwidth</code> . 19589	..... 19578	5514, 5520, 5521,
<code>\cftparapresnum</code> .. 19590	<code>\cftsubsubsecfont</code> 19577	5615, 5620, 5641,
<code>\cftpartaftersnum</code> 19486	<code>\cftsubsubsecindent</code>	5649, 5670, 5678,
<code>\cftpartaftersnumb</code> 19487	..... 19566, 19569	5699, 5717, 5721,
<code>\cftpartfillnum</code> .. 19490	<code>\cftsubsubsecnumwidth</code>	5726, 5730, 5735,
<code>\cftpartfont</code> 19489	..... 19572	5739, 15499, 15500
<code>\cftpartindent</code>	<code>\cftsubsubsecpresnum</code>	<code>\citeasnoun</code> 15500
..... 19478, 19481	..... 19573	<code>\citeN</code> 15499
<code>\cftpartnumwidth</code> . 19484	<code>\cftsubtabaftersnum</code>	<code>\cites</code> 5515
<code>\cftpartpresnum</code> ...	..... 19682	<code>\cl@ckpt</code> 19160
..... 19485, 19489	<code>\cftsubtabaftersnumb</code>	<code>\ClassInfo</code> 6202, 6267,
<code>\cftsecaftersnum</code> . 19540	..... 19683	17642, 18222, 18905
<code>\cftsecaftersnumb</code> 19541	<code>\cftsubtabfillnum</code> 19686	<code>\ClassWarning</code>
<code>\cftsecfillnum</code> ... 19544	<code>\cftsubtabfont</code> ... 19685	. 17325, 17874, 18573
<code>\cftsecfont</code> 19543	<code>\cftsubtabindent</code> ..	<code>\ClassWarningNoLine</code>
<code>\cftsecindent</code> 19532, 19535	..... 19674, 19677	..... 14861
<code>\cftsecnumwidth</code> .. 19538	<code>\cftsubtabnumwidth</code> 19680	<code>\clear</code> 4519
<code>\cftsecpresnum</code> ... 19539	<code>\cftsubtabpresnum</code> 19681	<code>\cleardoubleemptypage</code>
<code>\cftsubfigaftersnum</code>	<code>\cfttabaftersnum</code> . 19643	..... 17272,
..... 19662	<code>\cfttabaftersnumb</code> 19644	17317, 17821,
<code>\cftsubfigaftersnumb</code>	<code>\cfttabfillnum</code> ... 19647	17866, 18520, 18565
..... 19663	<code>\cfttabfont</code> 19646	<code>\cleardoublepage</code> 6124,
<code>\cftsubfigfillnum</code> 19666	<code>\cfttabindent</code> 19635, 19638	6169, 6171, 6228,
<code>\cftsubfigfont</code> ... 19665	<code>\cfttabnumwidth</code> .. 19641	6241, 6255, 7197, 9030



<code>\clearpage</code> . 604, 620, 869, 1121, 3562, 3563, 3567, 3568, 4478, 4479, 4482, 5124, 6136, 6171, 6257, 6638, 6815, 7025, 7199, 9032, 16166, 16421, 16880, 17380, 17929, 18628, 19453	8065, 8075, 8193, 13395, 14125, 20877	9167, 9181, 9195, 9207, 9218, 9229, 9336, 9394, 9458, 9468, 9478, 9504, 9517, 9529, 9567, 9576, 9585, 9610, 9622, 9633, 9670, 9680, 9690, 9716, 9729, 9741, 9779, 9789, 9799, 9825, 9838, 9850, 9888, 9898, 9908, 9934, 9947, 9959, 9997, 10007, 10017, 10043, 10056, 10068, 10106, 10116, 10126, 10152, 10165, 10177, 10215, 10225, 10235, 10261, 10274, 10286, 10324, 10334, 10344, 10370, 10383, 10395, 10591, 10603, 10615, 10652, 10666, 10680, 10765, 10778, 11494, 11511, 11527, 11554, 11568, 11582, 11612, 12082, 12092, 12099, 21483, 21498, 21510, 21517
<code>\clipboard@</code> 16027	<code>\color@</code> 20917, 20964	<code>\color@fb@x</code> . 20968, 20969
<code>\CloneTOCEntryStyle</code> 17648, 17661, 17680, 17686, 18228, 18241, 18260, 18266, 18911, 18924, 18943, 18949	<code>\color@b@x</code> 7364, 7402, 7404, 20870, 20967, 20970	<code>\color@fb@x</code> . . 7403, 20968
<code>\closing</code> 9070, 18439	<code>\color@begingroup</code> 5570, 5588, 5606, 6608, 6622, 9165, 9179, 9193, 9205, 9216, 9227, 9333, 9456, 9466, 9476, 9502, 9515, 9527, 9565, 9574, 9583, 9608, 9620, 9631, 9668, 9678, 9688, 9714, 9727, 9739, 9777, 9787, 9797, 9823, 9836, 9848, 9886, 9896, 9906, 9932, 9945, 9957, 9995, 10005, 10015, 10041, 10054, 10066, 10104, 10114, 10124, 10150, 10163, 10175, 10213, 10223, 10233, 10259, 10272, 10284, 10322, 10332, 10342, 10368, 10381, 10393, 10589, 10601, 10613, 10650, 10664, 10678, 10761, 10774, 11491, 11508, 11524, 11551, 11565, 11579, 11591, 12079, 12089, 12096, 14015, 14099, 21479, 21495, 21506, 21514	<code>\color@hbox</code> 17161, 17171, 17189, 21721, 21737
<code>\clubpenalty</code> 92, 295, 583, 584, 717, 980, 1230, 2573, 6456, 6718, 6906, 7216, 7217, 8777, 9049, 9050, 10885, 13256, 15496, 16269, 16663, 16858, 16859, 17061, 17062, 17471, 18051, 18734, 19393, 19394	<code>\color@block</code> . 7369, 20875	<code>\color@setgroup</code> 7405, 20972
<code>\coffee@font</code> 15166	<code>\color@box</code> . . 7402, 20967	<code>\color@vbox</code> 2308, 5235, 5279, 5323, 21550, 21594
<code>\col@number</code> 132, 137, 139, 142, 143, 150, 459, 810, 1062, 1312, 7075, 8834, 8931, 10934, 14768, 15108, 15190, 15195, 15269, 15270, 15272, 15275, 15276, 15283, 15333, 15334, 15337, 15338, 15400, 15404, 16362, 16503, 16747, 16929, 17336, 17885, 18584	<code>\color@endbox</code> . . 2330, 5244, 5288, 5332, 17164, 17174, 17192, 21559, 21603, 21724, 21740	<code>\colorA</code> . . 6983, 6992, 7004
<code>\col@sep</code> 379, 407, 7327, 7328, 13964, 21084	<code>\color@endgroup</code> 5574, 5592, 5610, 6610,	<code>\colorB</code> 6989, 6995, 7001, 7007
<code>\color</code> 2020, 2021, 2022, 2023, 2024, 2496, 7372, 7375, 7378, 7396, 7399, 8062,		<code>\colorblend</code> . . . 20884, 20885, 20927, 20928
		<code>\colorbox</code> 2136, 2138, 2139
		<code>\column@color</code> . . 1466, 7335
		<code>\column@sep</code> 99, 219, 597, 613, 862,



1114, 1969, 2405,	11057,	11061,	2080, 2081, 2082,
6631, 6808, 7018,	11065,	11093,	2083, 2084, 2088, 2089
7591, 7890, 11064,	11099,	11397,	\coordy 2086
11988, 13264,	11400,	11402,	\Coordz 2076,
14988, 15105,	11487,	11504,	2079, 2081, 2084, 2089
15198, 15244,	11520,	11547,	\coordz 2087
16159, 16414,	11561,	11575,	\copy 5231,
16873, 20832,	11593,	11874,	5275, 5319, 7271,
20837, 20841,	11881,	11928,	7560, 7623, 7732,
20847, 20850, 21410	11934,	11977,	8222, 8243, 11038,
\columnseprule . . 99,	11981,	11985,	11074, 11902,
219, 596, 612,	11989,	12341,	11951, 12152,
861, 1113, 1970,	12342,	13278,	12198, 14040,
2406, 6630, 6807,	13352,	13356,	14052, 14056,
7017, 7582, 7647,	14102,	14976,	14910, 15010,
7879, 7898, 11056,	14980,	14984,	15896, 15979,
11097, 11932,	14987,	15076,	16049, 21070,
11979, 13264,	15082,	15105,	21379, 21426,
14978, 15080,	15134,	15140,	21546, 21590, 21653
15223, 15234,	15302,	15306,	\cor@height . . . 14933,
16158, 16413,	15310,	15314,	14934, 14961,
16872, 21401, 21450	16254,	16677,	14962, 15001,
\columnseprulecolor	16827,	16831,	15033, 15034,
. 15222, 15233	17009,	17013,	15061, 15062, 15098
\columnwidth . . 28, 41,	17253,	17501,	\count 1611, 1896, 2303,
55, 71, 232, 244,	17506,	17802,	3992, 5220, 5264,
258, 273, 540, 544,	18081,	18086,	5308, 9407, 9439,
731, 965, 1211,	18361,	18365,	9548, 9651, 9760,
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9083, 9087, 9132,	\contentsmargin . . 19358		15333, 15337,
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9499, 9511, 9524, 20891,		2743, 2748, 4566,
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10674, 10866,	\Coordy 2075,		9425, 9427, 13979,
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20355, 20361,	\cuted@@page@rule .	\cvlistitem 2509
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20657, 20661,	7766, 7768, 7770,	\date 447, 483, 787, 832,
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\CT@column@color . .	7736, 7740, 7752,	16339, 16384,
. 1488, 7353	7770, 7794, 7802,	16480, 16527,
\CT@do@color	7808, 7815, 7824,	16730, 16771,
. . . 1491, 7330, 7356	7826, 7851, 7854, 7856	16917, 16953,
\CT@extract . . . 1466, 7335	\cuted@@tempdim@spread	17376, 17925, 18624
\CT@row@color . 1489, 7354 7743, 7744,	\datename 18429
\CT@setup 1455,	7745, 7746, 7753,	\deadcycles . . . 3579, 3582
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\curraddr 322	7811, 7828, 7830, 7832	2344, 2347, 2350,
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7384, 7392, 7398,	7768, 7774, 7777,	2364, 4645, 4647,
11721, 11726,	7785, 7854, 7887, 7901	4649, 4652, 4657,
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20947, 20948, 20965	7750, 7751, 7774,	6183, 6184, 6185,
\CurrentOption	7777, 7781, 7784,	6186, 6187, 6207,
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6185, 6186, 6187,	\cuted@@wlog@debug	6211, 7998, 8000,
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6210, 6211, 8008, 8106	7773, 7775, 7784, 7788	8007, 8096, 8098,
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\currentposyheight 3144	\cvdoubleitem . 2505, 2529	\DeclareRobustCommand
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\CustomFBox 11723	\cvlanguage 2526	2063, 2064, 2065,
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. 7755,	2510, 2512, 2518, 2527	



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\DeclareTOCEntryStyle . 19766, 19923, 20125		
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\dedicatory 323		
\def 2, 23, 26, 30, 34, 48, 64, 95, 98, 107, 108, 109, 110, 122, 132, 133, 135, 197, 218, 227, 228, 229, 230, 234, 237, 251, 266, 298, 301, 313, 319, 336, 345, 350, 352, 377, 382, 384, 405, 406, 407, 408, 454, 455, 486, 550, 587, 719, 742, 743, 751, 790, 791, 793, 798, 800, 805, 807, 835, 982, 994, 995, 1003, 1042, 1043, 1045, 1050, 1052, 1057, 1058, 1087, 1232, 1244, 1245, 1253, 1292, 1293, 1295, 1300, 1302, 1307, 1309, 1337, 1357, 1367, 1368, 1371, 1377, 1405, 1418, 1419, 1422, 1435, 1443, 1451, 1452, 1455, 1456, 1459, 1464, 1502, 1503, 1603, 1605, 1606, 1649, 1652, 1655, 1658, 1727, 1731, 1827, 1829, 1862, 1879, 1887, 1888, 1889, 1890, 1891, 1897, 1898, 1905,		



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15332,	15336,	17423,	17475,	21080,	21082,
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15944,	15945,	19088,	19093,	21310,	21311,
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21376, 21423,	20144, 20146, 20148	\dfn@fnmaxdp
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21540, 21544,	. 20128, 20130, 20162	8234, 8239, 8244,
21548, 21561,	\DefineTOCEntryLengthOption	8266, 8269, 8323, 8326
21567, 21581,	. . . 19767, 19769,	\dfn@footnoterule .
21584, 21588,	19924, 20126,	. . . . . 8307, 8359
21592, 21605,	20138, 20164, 20166	\dfn@footnotetext . 8208
21611, 21651,	\DefineTOCEntryOption	\dfn@gobble . . . 8210, 8231
21655, 21656,	. . . . . 20150	\dfn@ins . . 8218, 8219,
21657, 21658,	\DefNewDummy . . 3781, 3798	8220, 8222, 8239,
21668, 21754,	\delimiter 11714	8240, 8241, 8243,
21766, 21767,	\DEPTH 19261, 19268	8257, 8258, 8314, 8315
21769, 21892,	\depth 12142,	\dfn@latex@footnotetext
21894, 21898,	14707, 14714, 14739	. . . . . 8207
21900, 21927, 21929	\depthof . . 8556, 8561,	\dfn@latex@LTRfootnotetext
\default@color 7371, 20876	8570, 8571, 8575, 8580	. . . . . 8213, 8228
\DefaultFindent . . 13367	\descriptionlabel . 5975	\dfn@latex@makecol
\DefaultLhang 13363	\DetectColumn 21340, 21344	. . . . . 8306, 8358
\DefaultLoversize 13364	\detokenize 2898,	\dfn@latex@RTLfootnotetext
\DefaultLraise . . . 13365	2900, 3337, 3339,	. . . . . 8234, 8249
\DefaultNindent . . 13368	3340, 3367, 3382,	\dfn@list . 8227, 8248,
\DefaultOptionsFile	3399, 3402, 3410,	8255, 8288, 8290,
. 13387, 13390, 13393	3412, 3480, 3481, 4358	8293, 8299, 8312,
\DefaultSlope 13369	\dfn@afteroutput 8300,	8340, 8342, 8345, 8351
\deffootnote . . 17215,	8303, 8352, 8355	\dfn@LTRfootnotetext
17240, 17764,	\dfn@boxa . 8209, 8214, 8209, 8229
17789, 18338,	8217, 8221, 8222,	\dfn@LTRmakecol . . .
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\define@choicekey .	8238, 8242, 8243,	\dfn@makecol
1664, 1670, 1676,	8244, 8257, 8264,	. . . 8360, 8361, 8362
1682, 1688, 1694,	8267, 8269, 8276,	\dfn@makefnmark 8212, 8233
1706, 1712, 1718,	8284, 8314, 8321,	\dfn@RTLfootnotetext
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1756, 20670, 20678	\dfn@boxb	\dfn@RTLmakecol . . .
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\definecolor	8318, 8319, 8326, 8329	8257, 8269, 8314, 8326
. . . . 2011, 2012,	\dfn@countins . 8253, 8310	\DFNalwaysdouble . . 8363
2013, 2014, 2015,	\dfn@dima 8214,	\DFNcolumnsep
2417, 2424, 8012,	8215, 8216, 8227,	. . . 8272, 8285, 8329
8017, 8020, 8021,	8235, 8236, 8237,	\DFNcolumnwidth . . .
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8032, 8035, 8036,	\dfn@dimb	8276, 8286, 8328, 8330
8038, 8039, 8042,	8289, 8290, 8292,	\diagbox@double 8365, 8368
8043, 8045, 8046,	8293, 8295, 8341,	\diagbox@double@pict@NE
8049, 8050, 8115,	8342, 8344, 8345, 8347	. . . . . 8439, 8446
8116, 8121, 8122,	\dfn@elt@adjust 8289, 8341	\diagbox@double@pict@NW
8127, 8128, 8133,	\dfn@elt@getht 8254, 8311	. . . . . 8438
8134, 8139, 8140, 8681	\dfn@fnht . 8225, 8246,	\diagbox@double@pict@SE
\DefineTOCEntryCommandOption	8287, 8290, 8296,	. . . . . 8431, 8438
. 20132,	8297, 8298, 8339,	\diagbox@double@pict@SW
20134, 20136,	8342, 8348, 8349, 8350 8446
20140, 20142,		



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8375, 8380, 8382,	15225, 15238,	21218, 21223,
8386, 8389, 8392,	15239, 15246,	21225, 21226, 21227
8396, 8398, 8402, 8404	15247, 21660, 21663	<code>\DiscardVskip</code> 13370
<code>\diagbox@ht</code> 8433,	<code>\dimen@</code> . . . 7367, 7368,	<code>\display@setup</code> 7225, 7250
8436, 8441, 8444	10748, 10750,	<code>\displayindent</code> 7266
<code>\diagbox@insepl</code> . . .	11753, 11754,	<code>\displaystyle</code> 11119, 11135
8366, 8373, 8375,	11755, 11765,	<code>\displaywidth</code>
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8398, 8408, 8418, 8420	11770, 11771,	8559, 11138, 13334
<code>\diagbox@insepr</code> . . .	11772, 11778,	<code>\divide</code> 4107, 6317, 9429,
8369, 8380, 8382,	11788, 11790,	10505, 10506,
8392, 8402, 8404,	11799, 11801,	10567, 10568,
8411, 8414, 8425, 8427	11808, 11809,	11005, 11006,
<code>\diagbox@setlinecolor</code>	11810, 11811,	12141, 12142,
. . . . 8432, 8435,	14037, 14038,	15400, 15404,
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8452, 8457, 8461,	15320, 15325,	<code>\do</code> 319, 320,
8466, 8470, 8475, 8479	15326, 15329,	321, 322, 323, 324,
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. 8447	19065, 20809,	5451, 5465, 5470,
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. 8474	20812, 20813,	10993, 13474, 20359
<code>\diagbox@triple@pict@SW</code>	20814, 20873, 20874	<code>\do@hvFloat</code> 12302
. 8465	<code>\dimen@i</code> 19052,	<code>\document</code> 3522, 3538
<code>\diagbox@triple@setbox@NE</code>	19053, 19058, 19064	<code>\documentclass</code> . 4325,
. 8430	<code>\dimen@ii</code> 11803,	4328, 12048, 12058
<code>\diagbox@triple@setbox@NW</code>	11804, 11805,	<code>\doloopbody</code> 3967, 3968,
. 8385,	11811, 11813,	4012, 4085, 4092,
8388, 8391, 8406	11816, 11817, 11818	4099, 4102, 4104,
<code>\diagbox@triple@setbox@SE</code>	<code>\dimexpr</code> . 28, 232, 731,	4108, 4110, 4112, 4116
. 8407,	965, 1211, 2849,	<code>\doubleitemmaincolumnwidth</code>
8410, 8413, 8430	2852, 3133, 3137,	2466, 2479, 2480,
<code>\diagbox@triple@setbox@SW</code>	3147, 3156, 6732,	2481, 2482, 2506, 2508
. 8406	6885, 7701, 7763,	<code>\doublerulesepcolor</code> 1469
<code>\diagbox@wd</code> 8433,	7764, 7766, 7792,	<code>\downto</code> value . . . 3965,
8436, 8441, 8444	7801, 7825, 7855,	3977, 4059, 4098
<code>\DigitsDotDashInterCharToks</code>	13278, 14131,	<code>\dp</code> 40, 54,
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14705, 14706, 14707	16677, 17243,	1912, 7368, 7369,
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10086, 10195,	20084, 20094,	8335, 8337, 8555,
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10469, 10521,	21198, 21199,	8693, 8698, 8702,
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15202, 15209,	21207, 21208,	10748, 10756,



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11519,	12008,	3417, 3420, 3473,	7269, 7350, 9395,
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12201,	12204,	3902, 3929, 3932,	14049, 14052,
13418,	13969,	3936, 4020, 4025,	15113, 15751,
14139,	14142,	4026, 4048, 4053,	15761, 15776,
15202,	15218,	4065, 4070, 4163,	15907, 15913,
15219,	15224,	4171, 4181, 4313,	15917, 15923,
15225,	15238,	4356, 4400, 4422,	15927, 15931,
15239,	15246,	4436, 4464, 4556,	15935, 15939,
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15789,	15790,	5396, 5541, 5552,	16637, 19093,
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18834,	19100,	11657, 11785,	21087, 21095,
19135,	19147,	12774, 12781,	21096, 21274, 21275
19261,	19263,	12812, 12819,	<code>\eightcolumnfootnotes</code>
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<code>\dquad</code> 7258, 7260		13484, 13486,	104, 116, 134, 136,
<code>\draw</code> 20689,		14023, 14026,	151, 155, 159, 167,
20696, 20700,		15516, 15660,	175, 182, 191, 199,
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20741, 20744,		15708, 16138,	290, 305, 309, 340,
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20774, 20780, 20781		18340, 18723,	365, 366, 367, 368,
<code>\dseries@display@setup</code>		19103, 19128,	369, 372, 373, 374,
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		19215, 19222,	464, 513, 530, 533,
		19235, 19699,	534, 554, 557, 572,
		20171, 20204,	593, 604, 609, 620,
		20211, 20216,	624, 632, 636, 637,
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		20535, 20648,	654, 665, 676, 690,
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		20965, 21182,	896, 899, 909, 920,
		21285, 21349, 21363	931, 939, 943, 952,
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		1200, 1367, 1368,	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,
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 1382, 1383, 1386,
 1387, 1388, 1390,
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 1546, 1552, 1595,
 1597, 1606, 1617,
 1620, 1623, 1798,
 1801, 1866, 1880,
 1882, 1891, 1901,
 2148, 2154, 2160,
 2175, 2258, 2266,
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 2684, 2700, 2708,
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 2869, 2875, 2883,
 2887, 2909, 2916,
 2962, 2987, 3016,
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 3136, 3171, 3375,
 3706, 3719, 3720,
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 3770, 3784, 3837,
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 7228, 7258, 7284,
 7309, 7316, 7365,
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 9073, 9075, 9079,
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16421,	16445,	17771,	17772,	18772,	18773,
16454,	16462,	17780,	17793,	18775,	18800,
16488,	16492,	17800,	17820,	18812,	18817,
16494,	16505,	17825,	17832,	18822,	18839,
16508,	16549,	17838,	17862,	18853,	18859,
16554,	16555,	17869,	17873,	18872,	18882,
16563,	16566,	17887,	17890,	18900,	18930,
16567,	16572,	17933,	17937,	19022,	19025,
16583,	16592,	17945,	17951,	19061,	19078,
16606,	16609,	17963,	17971,	19111,	19124,
16610,	16614,	17976,	17992,	19132,	19145,
16620,	16628,	18000,	18008,	19150,	19229,
16632,	16633,	18016,	18017,	19230,	19231,
16637,	16653,	18030,	18045,	19233,	19234,
16682,	16733,	18061,	18071,	19237,	19238,
16749,	16752,	18080,	18085,	19239,	19240,
16798,	16813,	18088,	18089,	19241,	19242,
16816,	16817,	18090,	18092,	19243,	19245,



19246,	19247,	20553,	20559,	21360,	21370,
19248,	19249,	20565,	20568,	21390,	21395,
19252,	19253,	20579,	20617,	21437,	21442,
19254,	19317,	20619,	20624,	21467,	21474,
19334,	19341,	20633,	20638,	21490,	21501,
19343,	19348,	20640,	20647,	21512,	21527,
19353,	19354,	20654,	20685,	21533,	21571,
19357,	19362,	20692,	20697,	21577,	21615,
19366,	19367,	20703,	20714,	21617,	21627,
19382,	19406,	20717,	20728,	21643,	21645,
19410,	19420,	20735,	20749,	21648,	21652,
19426,	19432,	20799,	20806,	21661,	21690,
19437,	19443,	20807,	20809,	21693,	21696,
19453,	19465,	20817,	20825,	21702,	21723,
19473,	19478,	20827,	20828,	21739,	21759,
19479,	19480,	20839,	20843,	21766,	21767,
19488,	19495,	20848,	20857,	21884,	21892, 21898
19509,	19510,	20863,	20871,	\em 5975	
19511,	19519,	20875,	20884,	\email 322, 2456	
19528,	19532,	20903,	20908,	\emaillink 2538, 8089, 8187	
19533,	19534,	20927,	20952,	\emailsymbol	
19542,	19549,	20957,	20977,	... 2416, 8089, 8187	
19550,	19551,	21023,	21024,	\empty 11666,	
19559,	19566,	21051,	21052,	11669, 12315, 19031	
19567,	19568,	21055,	21059,	\EmptyTokenList ... 3888	
19576,	19583,	21060,	21119,	\end 179, 186, 429,	
19584,	19585,	21138,	21141,	432, 435, 500, 503,	
19593,	19600,	21146,	21149,	766, 774, 777, 847,	
19601,	19602,	21152,	21155,	850, 1018, 1026,	
19610,	19617,	21158,	21172,	1029, 1099, 1102,	
19618,	19619,	21180,	21185,	1268, 1276, 1279,	
19627,	19635,	21186,	21187,	1350, 1353, 1358,	
19636,	19637,	21197,	21198,	1359, 1360, 1948,	
19645,	19654,	21200,	21206,	2097, 2108, 2109,	
19655,	19656,	21207,	21209,	2504, 2506, 2508,	
19664,	19674,	21215,	21216,	2510, 2512, 2516,	
19675,	19676,	21218,	21224,	2524, 2527, 2577,	
19684,	19694,	21225,	21227,	2668, 2676, 2678,	
19709,	19710,	21235,	21236,	2679, 2685, 2692,	
19711,	19719,	21237,	21238,	2700, 2702, 2703,	
19741,	19759,	21241,	21244,	2709, 3593, 3594,	
19760,	19761,	21247,	21250,	3615, 3639, 4784,	
19899,	20007,	21251,	21252,	4785, 4790, 4793,	
20024,	20034,	21253,	21255,	4870, 4871, 4878,	
20049,	20053,	21257,	21258,	4879, 4886, 4887,	
20156,	20421,	21262,	21264,	4907, 4908, 4946,	
20435,	20439,	21278,	21295,	4949, 4952, 4955,	
20462,	20477,	21300,	21301,	4962, 4963, 5146,	
20487,	20491,	21302,	21303,	5147, 5766, 5822,	
20501,	20502,	21304,	21305,	5829, 5836, 5843,	
20503,	20504,	21306,	21307,	5850, 5861, 5869,	
20509,	20511,	21310,	21311,	5996, 5997, 6133,	
20512,	20520,	21315,	21317,	6176, 6198, 6582,	
20526,	20543,	21322,	21351,	6776, 6784, 6787,	



6953, 6961, 6964,	... 4810, 5139, 17108	3939, 3960, 3997,
6993, 7005, 7045,	\end@rotdblfloat . 17112	3998, 3999, 4015,
7048, 7051, 7116,	\end@rotfloat 4016, 4017, 4018,	
7119, 7432, 7442,	. 17069, 17110, 17111	4120, 4123, 4128,
7455, 7465, 7478,	\endarray 382,	4144, 4147, 4149,
7488, 7501, 7511,	406, 1367, 1368,	4159, 4162, 4164,
8068, 8177, 8189,	19119, 19123, 21087	4171, 4175, 4176,
8197, 8602, 8676,	\endBCmd 2099	4181, 4190, 4191,
8806, 8809, 8812,	\endbidi@switch ...	4207, 4210, 4224,
8871, 8874, 8901,	... 3794, 3798, 3799	4236, 4268, 4279,
8904, 8907, 8972,	\endbidi@tabular@RTLcases	4364, 4366, 4404,
8975, 9064, 10906,	. 21087, 21095, 21102	4406, 4412, 4455,
10909, 10912,	\endcsname . 8, 44, 58,	4595, 4616, 4967,
10971, 10974,	74, 166, 168, 203,	4968, 4975, 4976,
11126, 12372,	247, 261, 276, 333,	5568, 5586, 5604,
12390, 12492,	334, 383, 1369,	5635, 5664, 5693,
12508, 12599,	2165, 2166, 2180,	5935, 6461, 6489,
13344, 14905,	2181, 2207, 2210,	6492, 6495, 6509,
15621, 16318,	2213, 2229, 2237,	6516, 6523, 6531,
16326, 16329,	2245, 2300, 2587,	6532, 6570, 6595,
16399, 16402,	2590, 2593, 2595,	6596, 7378, 7384,
16457, 16465,	2598, 2600, 2603,	7392, 7399, 9164,
16468, 16545,	2611, 2612, 2617,	9178, 9192, 9204,
16548, 16553,	2625, 2626, 2628,	9215, 9226, 9455,
16554, 16555,	2630, 2632, 2635,	9465, 9475, 9501,
16712, 16715,	2636, 2641, 2642,	9514, 9526, 9564,
16718, 16790,	2671, 2672, 2695,	9573, 9582, 9607,
16899, 16902,	2696, 2723, 2751,	9619, 9630, 9667,
16905, 16970,	2755, 2765, 2773,	9677, 9687, 9713,
16973, 17070,	2781, 2789, 2791,	9726, 9738, 9776,
17113, 17279,	2793, 2797, 2798,	9786, 9796, 9822,
17294, 17301,	2855, 2861, 2862,	9835, 9847, 9885,
17307, 17311,	2904, 2914, 2920,	9895, 9905, 9931,
17319, 17391,	2921, 2923, 2924,	9944, 9956, 9994,
17408, 17418,	2926, 2927, 2929,	10004, 10014,
17446, 17828,	3131, 3132, 3134,	10040, 10053,
17843, 17850,	3135, 3138, 3139,	10065, 10103,
17856, 17860,	3148, 3149, 3183,	10113, 10123,
17868, 17940,	3184, 3206, 3207,	10149, 10162,
17957, 17967,	3262, 3263, 3264,	10174, 10212,
18026, 18527,	3265, 3271, 3272,	10222, 10232,
18542, 18549,	3273, 3274, 3357,	10258, 10271,
18555, 18559,	3358, 3361, 3362,	10283, 10321,
18567, 18639,	3595, 3596, 3598,	10331, 10341,
18656, 18666,	3609, 3610, 3612,	10367, 10380,
18709, 19184,	3623, 3633, 3642,	10392, 10587,
19380, 20689,	3643, 3644, 3645,	10599, 10611,
20696, 20706,	3655, 3668, 3692,	10648, 10662,
20711, 20724,	3697, 3701, 3717,	10676, 10993,
20731, 20734,	3735, 3737, 3745,	11146, 11148,
20753, 20770,	3747, 3756, 3757,	11152, 11154,
20777, 20783, 20785	3837, 3841, 3874,	11258, 11259,
\end@dblfloat 17157	3876, 3887, 3888,	11260, 11261,
\end@float	3902, 3910, 3912,	11263, 11265,



11266,	11267,	20204,	20211,	4241,	4253,	4273,
11268,	11270,	20216,	20277,	4284,	4295,	4459,
11271,	11272,	20332,	20334,	4558,	4568,	4608,
11329,	11353,	20336,	20352,	4977,	5404,	5406,
11371,	11457,	20355,	20361,	5637,	5666,	5695,
11466,	11489,	20363,	20366,	6072,	6089,	6105,
11506,	11522,	20370,	20375,	6116,	6156,	6475,
11550,	11564,	20379,	20383,	6511,	6518,	6525,
11578,	11625,	20397,	20401,	6583,	6672,	6695,
11640,	12606,	20404,	20407,	6849,	6872,	7086,
12609,	12611,	20411,	20413,	7136,	7151,	7357,
12615,	12619,	20446,	20447,	7617,	7676,	8514,
12633,	12644,	20449,	20451,	8544,	8722,	8735,
12655,	12855,	20456,	20458,	8845,	8942,	8991,
12886,	12917,	20460,	20464,	10508,	10570,	
13296,	13399,	20467,	20468,	10827,	10842,	
13402,	13832,	20471,	20472,	10945,	11069,	
13898,	14890,	20481,	20483,	11109,	11193,	
14891,	14898,	20485,	20489,	11214,	11459,	
15512,	15522,	20493,	20494,	11468,	11627,	
15536,	17205,	20547,	20549,	11642,	11728,	
17209,	17213,	20551,	20555,	11769,	11800,	
17651,	17653,	20575,	20576,	11945,	11998,	
17655,	17658,	20584,	20588,	12176,	12191,	
17664,	17673,	20592,	20596,	12597,	12635,	
17675,	17677,	20600,	20604,	12646,	12657,	
17683,	17754,	20608,	20612,	12668,	12769,	
17758,	17762,	20650,	20651,	12794,	12832,	
18231,	18233,	20653,	20656,	12865,	12896,	
18235,	18238,	20657,	20661,	12927,	13156,	
18244,	18252,	21125,	21190,	13167,	13305,	
18254,	18257,	21276,	21337,	13328,	13404,	
18263,	18453,	21350,	21352, 21822	13428,	13611,	
18457,	18461,	\enddocument . . .	3548,	13980,	14781,	
18914,	18916,	3554,	3561, 3578	14899,	14999,	
18918,	18921,	\endflushleft .	2119, 2127	15096,	15303,	
18927,	18935,	\endgraf	13994, 14010,	15307,	15311,	
18937,	18940,	17616,	18196, 18879	15699,	15749,	
18946,	19095,	\endgroup	17,	15754,	15756,	
19121,	19123,	127, 212, 310, 317,		15759,	15764,	
19155,	19177,	380, 396, 470, 522,		16001,	16032,	
19179,	19195,	536, 674, 696, 821,		16218,	16241,	
19196,	19216,	898, 918, 1073,		16373,	16514,	
19223,	19436,	1157, 1180, 1323,		16590,	16613,	
19699,	19700,	1492, 1993, 2231,		16758,	16805,	
19716,	19717,	2239, 2247, 2623,		16820,	16940,	
19718,	19725,	2662, 2681, 2705,		16990,	17005,	
19727,	19728,	2913, 2932, 3287,		17347,	17447,	
19781,	19782,	3306, 3351, 3373,		17585,	17896,	
19936,	19937,	3383, 3400, 3450,		18027,	18165,	
20047,	20051,	3523, 3659, 3865,		18595,	18710,	
20055,	20154,	3867, 3903, 3908,		18848,	19198,	
20157,	20171,	3917, 4075, 4119,		19322,	19501,	
20187,	20188,	4143, 4158, 4229,		19917,	20028,	



20429, 20557,	12197, 12236,	\endwindow 15774
20867, 20900,	12243, 12612,	\enskip 20542, 20567
20943, 20962,	12620, 13002,	\enspace 308, 15768, 15770
21085, 21420,	13038, 13070,	\ensuremath 1536
21463, 21669, 21679	13099, 13125,	\env@RTLcases 21100, 21104
\endL 183, 1496,	13135, 13138,	\EQ 8549, 8555,
1640, 1917, 2549,	13335, 13578,	8556, 8560, 8561,
7361, 7370, 7371,	13988, 14049,	8570, 8571, 8573,
7380, 7386, 7405,	14052, 14088,	8575, 8576, 8578,
11012, 11125,	14179, 14187,	8579, 8580, 8581,
11139, 11301,	14378, 14704,	8583, 8584, 8585,
12138, 12146,	14868, 14870,	8597, 8600, 8602,
12165, 12175,	15772, 15904,	8604, 8605, 8607,
12190, 12211,	15912, 15991,	8610, 8612, 8614,
12999, 13578,	15992, 15993,	8615, 8617, 8618,
15763, 15903,	17163, 17173,	8620, 8623, 8624,
15922, 16031,	17182, 17191,	8625, 8628, 8631,
17167, 17178,	17583, 18163,	8639, 8646, 8654,
17185, 17195,	18846, 19093,	8661, 8663, 8666,
19273, 20875,	19094, 19119,	8670, 8671, 8672,
20876, 20915,	19125, 19272,	8673, 8685, 8687, 8688
20919, 20972,	20872, 20876,	\eq@addpunct 7260
20983, 21002,	20878, 20972,	\EQ@box 7265, 7271
21648, 21723, 21739	20984, 20992,	\eq@group 7228, 7237
\endlist 96, 299,	21095, 21240,	\eq@GRP@first@dmath 7237
589, 721, 952, 984,	21243, 21246,	\eq@if . . . 2746, 2747, 2749
1234, 5960, 5968,	21263, 21274,	\eq@isIntertext . . . 7275
5973, 6722, 6910,	21275, 21648,	\eq@prelim . . . 7228, 7245
7222, 8781, 9055,	21661, 21663,	\eq@setnumber 7231
10889, 13260,	21723, 21739,	\eq@setup@a 7233
15507, 16273,	21758, 21761, 21769	\eq@startup 7234
16667, 16864,	\endrotate 17172	\eq@wdCond 7252
17067, 17489,	\endRTL 15944, 21036, 21044	\eqnewif 1562,
18069, 18752, 19399	\ends@math 7255	1563, 1568, 1580, 2742
\endlooprepeat	\endsideways 17190	\eqno 327, 15987,
. . . 4002, 4031, 4038	\endsidewaysfigure 17110	15989, 21764, 21766
\endLTR 15942, 21026, 21034	\endsidewaysstable 17111	\eqnumform 7263
\endMakeFramed . . . 11742	\endstabular 19093, 19095	\eqstyle 7230
\endmath 7255	\endstrip 15112	\equal 2514,
\endmdf@lrbox 14134	\endtabular . 382, 383,	2531, 2535, 2539,
\endminipage	1368, 1369, 2202,	4798, 4832, 4843,
. 9380, 11602, 19277	19119, 19121,	4875, 4876, 4892,
\endmodernpoem 6596	19205, 21274, 21276	4933, 5191, 5433,
\endmulticols 15374	\endtabularx	5434, 5452, 5453,
\endpgfpicture . . . 15717	. 19156, 19185, 19196	5471, 5472, 5503,
\endpspicture 15996	\endtcbl@lrbox 19277, 19278	5504, 8176, 11249
\endR 181,	\endtcbl@savebox . . 19278	\errmessage
336, 348, 382, 406,	\endtcbl@vbox 19288	. . 1607, 1892, 15200
1367, 1368, 1485,	\endtitlepage . . 631,	\ERROR 21361
2202, 2203, 7263,	938, 1190, 6704,	\escapechar 2651, 2743,
7350, 7366, 7371,	6892, 16177, 16627	2748, 2932, 3684,
7373, 7405, 8485,	\endtraditionalpoem 6532	3689, 3691, 3693, 3706
9421, 9425, 11144,	\endtrivlist 11140	\ESO@isMEMOIR 8490
12135, 12140,	\endturn 17162	



<code>\ESO@tempdima</code>	796, 799, 1005,	3688, 3697, 3701,
8495, 8496, 8497,	1014, 1022, 1048,	3756, 3757, 3769,
8499, 8503, 8505,	1051, 1255, 1264,	3770, 3865, 3867,
8506, 8507, 8512,	1272, 1298, 1301,	3874, 3876, 3878,
8519, 8523, 8525,	1369, 1384, 1466,	3880, 3881, 3882,
8529, 8531, 8535, 8542	1467, 1468, 1470,	3902, 3904, 3907,
<code>\ESO@tempdimb</code>	1539, 1541, 1545,	3910, 3911, 3912,
8510, 8512, 8537,	1547, 1551, 1553,	3914, 3917, 3922,
8538, 8539, 8540, 8542	2147, 2149, 2153,	3985, 3997, 3999,
<code>\evenpage</code> . 1954, 1957,	2155, 2159, 2161,	4015, 4016, 4017,
1958, 1959, 1961,	2165, 2166, 2174,	4018, 4056, 4067,
1962, 1963, 1964, 1966	2176, 2180, 2181,	4072, 4086, 4119,
<code>\evensidemargin</code> . . .	2205, 2208, 2211,	4120, 4121, 4124,
1978, 8523, 8531,	2214, 2218, 2221,	4127, 4143, 4144,
12284, 12289,	2224, 2275, 2276,	4158, 4159, 4171,
12297, 21689, 21697	2329, 2587, 2590,	4176, 4181, 4191,
<code>\everycr</code> 13984	2593, 2597, 2611,	4207, 4210, 4236,
<code>\everydisplay</code> 7225	2623, 2624, 2629,	4279, 4341, 4350,
<code>\everyhbox</code> . . . 15906,	2640, 2665, 2667,	4362, 4364, 4365,
15908, 15916,	2671, 2672, 2676,	4405, 4415, 4416,
15918, 20986,	2679, 2689, 2691,	4437, 4454, 4465,
20988, 20996, 20998	2695, 2696, 2700,	4467, 4594, 4595,
<code>\everyjob</code> 1534,	2703, 2723, 2725,	5394, 5935, 6365,
1535, 1860, 1861	2730, 2750, 2751,	6490, 6493, 6496,
<code>\everymath</code> 346	2754, 2755, 2791,	6499, 6502, 6505,
<code>\everypar</code> 520, 672, 916,	2793, 2797, 2801,	6531, 6532, 6595,
1155, 5250, 5294,	2803, 2807, 2809,	6596, 6610, 6763,
5338, 6671, 6848,	2813, 2815, 2819,	6772, 6780, 6940,
7135, 8990, 10826,	2821, 2825, 2827,	6949, 6957, 7225,
11020, 15898,	2831, 2833, 2837,	7335, 7377, 7398,
15902, 16110,	2839, 2843, 2845,	7565, 7567, 7628,
16217, 16589,	2856, 2858, 2862,	7630, 9396, 11042,
16804, 16989,	2863, 2864, 2866,	11044, 11078,
19494, 19498,	2867, 2870, 2874,	11080, 11146,
20026, 20978,	2876, 2881, 2882,	11147, 11152,
20982, 21028,	2884, 2885, 2888,	11153, 11250,
21038, 21565, 21609	2897, 2904, 2908,	11267, 11272,
<code>\everyvbox</code> 1371,	2910, 2913, 2914,	11331, 11334,
1372, 15926,	2915, 2917, 2920,	11355, 11358,
15928, 15934,	2921, 2923, 2924,	11371, 11385,
15936, 21006,	2926, 2927, 2929,	11386, 11387,
21008, 21015, 21017	2933, 3178, 3179,	11388, 11390,
<code>\ExecuteOptions</code> . . .	3180, 3181, 3182,	11614, 11769,
. . . . 2365, 4662,	3184, 3207, 3211,	11791, 11792,
6043, 6045, 8009, 8107	3262, 3263, 3264,	11800, 11911,
<code>\ExecuteOptionsX</code> . . 1763	3265, 3271, 3272,	11913, 11960,
<code>\exhyphenpenalty</code> . .	3273, 3274, 3357,	11962, 12181,
. 623, 930,	3358, 3372, 3373,	12219, 12220,
1124, 6641, 6818,	3374, 3376, 3383,	12637, 12639,
16169, 16619, 16681	3384, 3387, 3402,	12648, 12650,
<code>\exp</code> 14255, 14258,	3409, 3418, 3595,	12659, 12661,
14312, 14487, 14541	3609, 3623, 3633,	12764, 12778,
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21241,	21244,	14923, 15023,		\font 19035, 19036
21247,	21250,	21392, 21439, 21750		\fontdimen . 19035, 19036
21251,	21252,	\firstname 2449		\fontsize
21253,	21255,	\firstnamecolour ..		. 303, 6128, 6130,
21257,	21258,	... 2418, 8014, 8110		6132, 8052, 8144,
21265,	21268,	\firstnamefont		13284, 15604, 15617
21270,	21274, 2427, 2435,		\foo 15675,
21275,	21278,	8052, 8053, 8144, 8147		15677, 15687, 15689
21294,	21295,	\firstnamestyle 2435,		\footdir@abspace ..
21303,	21304,	8064, 8154, 8175	 11346,
21307,	21308,	\fivecolumnfootnotes		11349, 11350,
21309,	21310, 9753		11353, 11354, 11357
21311,	21317,	\Fld@width ... 13184,		\footdir@debug 11318,
21322,	21330,	13192, 13200, 13208		11326, 11330,
21347,	21353,	\flnew@within 11151		11333, 11343,
21355,	21362,	\float@newx 11145		11350, 11354, 11357



\footdir@debugfalse 1716	8352, 9156, 9170,	10227, 10304,
\footdir@debugtrue	9184, 9344, 9403,	10305, 10316,
..... 1714, 11316	10728, 10737,	10326, 10336,
\footdir@fntext ...	10760, 10764,	10463, 10464,
. 11364, 11381, 11383	10773, 10777,	10494, 10496,
\footdir@LeftRightElse	10783, 10798,	10521, 10522,
. 11324, 11340, 11417	11480, 11497,	10556, 10558,
\footdir@name	11513, 11903,	10577, 10605,
. 11367, 11370, 11371	11904, 11952,	15325, 15326,
\footdir@ORG@bidi@amsart@footnotetext	12006, 12006,	15333, 15334,
..... 79	12007, 12008,	15340, 15341,
\footdir@ORG@bidi@amsart@LTRfootnotetext	12029, 12029,	15356, 15400, 15401
..... 81	12030, 12040,	\footmarkstyle 9261, 9300
\footdir@ORG@bidi@amsart@RTLfootnotetext	12070, 12070,	\footmarkwidth
..... 80	12088, 12091,	9260, 9265, 9266,
\footdir@ORG@bidi@amsbook@footnotetext	15966, 15966,	9268, 9270, 9273,
..... 282	15968, 21472,	9277, 9278, 9280,
\footdir@ORG@bidi@amsbook@LTRfootnotetext	21478, 21482,	9282, 9285, 9289,
..... 284	21487, 21505, 21509	9290, 9292, 9294,
\footdir@ORG@bidi@amsbook@RTLfootnotetext	9343, 9344, 9408,	9297, 9304, 9307,
..... 283	9438, 9547, 9650,	11675, 11676,
\footdir@ORG@bidi@footnotetext	9759, 9868, 9977,	11678, 11680,
..... 11537	10086, 10195,	11683, 11687,
\footdir@ORG@bidi@LTRfootnotetext	10304, 10463,	11688, 11690,
..... 11539	10469, 10521, 10527	11692, 11695,
\footdir@ORG@bidi@RTLfootnotetext	9316, 9316,	11699, 11700,
..... 11538	\footinsv@l 9316,	11702, 11704, 11707
\footdir@temp	9324, 9410, 9411,	\footnote 417,
.. 79, 80, 81, 282,	10469, 10470,	491, 741, 840,
283, 284, 11376,	10498, 10500,	993, 1092, 1243,
11537, 11538, 11539	10527, 10528,	1343, 2143, 2146,
\footdir@toks	10560, 10562,	5710, 6029, 6060,
.. 11317, 11384,	10579, 10593,	6751, 6928, 7033,
11385, 11386, 11390	15329, 15330,	7107, 8796, 8864,
\footdir@write	15337, 15338,	8889, 8963, 10896,
. 11311, 11341, 11380	15342, 15343,	10964, 14819,
\footersymbol	15357, 15404, 15405	14822, 16293,
.... 8071, 8072,	\footinsv@r 9315,	16392, 16430,
8087, 8088, 8089, 8090	9405, 9406, 9407,	16536, 16690,
\footfootmark	9408, 9438, 9439,	16778, 16887,
.... 9139, 9264,	9450, 9460, 9470,	16961, 17265,
9487, 9593, 9699,	9547, 9548, 9559,	17381, 17814,
9808, 9917, 10026,	9568, 9577, 9650,	17930, 18513, 18629
10135, 10244,	9651, 9662, 9672,	\footnotelayout ...
10353, 10620, 11674	9682, 9759, 9760,	... 5528, 5529, 5532
\footfudgefactor ..	9771, 9781, 9791,	\footnotemark
. 10418, 10507, 10569	9868, 9869, 9880,	2172, 2173, 11615,
\footins 35, 49,	9890, 9900, 9977,	11629, 14820, 14823
65, 238, 252, 267,	9978, 9989, 9999,	\footnoterule
8226, 8247, 8251,	10009, 10086,	.... 8205, 8267,
8252, 8263, 8266,	10087, 10098,	8273, 8278, 8306,
8270, 8294, 8300,	10108, 10118,	8307, 8324, 8328,
8308, 8309, 8320,	10195, 10196,	8332, 8358, 8359,
8323, 8327, 8346,	10207, 10217,	9131, 9360, 9368,



9389, 9404, 10730, 10763, 10776, 11308, 11405, 11409, 11412, 11427, 11432, 11433, 11435, 12091, 12124, 15265, 15967, 19289, 21481, 21508	9498, 9542, 9561, 9593, 9604, 9645, 9664, 9699, 9710, 9754, 9773, 9808, 9819, 9863, 9882, 9917, 9928, 9972, 9991, 10026, 10037, 10081, 10100, 10135, 10146, 10190, 10209, 10244, 10255, 10299, 10318, 10353, 10364, 10423, 10458, 10487, 10512, 10549, 10584, 10620, 10645	\ftn@amount ... 12007, 12008, 12009, 12016, 12020, 12021 \ftn@font 17236, 17785, 18484 \ftn@rule@height 17243, 17246, 17250, 17253, 17792, 17795, 17799, 17802, 18491, 18494, 18498, 18501 \ftn@rule@test@values 17242, 17249, 17791, 17798, 18490, 18497 \ftn@rule@width 17246, 17253, 17795, 17802, 18494, 18501 \ftnm@font 17238, 17787, 18486 \full@width 15192, 15204, 15252 \futurelet 790, 792, 1042, 1044, 1292, 1294, 2716, 3765, 3768, 16342, 16344, 16483, 16485
\footnotes 5525 \footnotesep .. 29, 31, 40, 46, 54, 60, 70, 76, 233, 235, 243, 249, 257, 263, 272, 278, 8223, 8244, 8269, 8326, 9140, 9146, 9152, 9348, 10488, 10550, 11485, 11493, 11502, 11510, 11518, 11526, 11553, 11567, 11581, 13279, 13281	\forcerectofloat .. 4805 \forceversofloat .. 4806 \forvariable 3965, 3971, 4047, 4083, 4090, 4095, 4101, 4106, 4110, 4111 \fourcolumnfootnotes 9644 \fp 14476, 14477, 14478, 14479 \fps@figure 12352 \framebox 8062, 8193, 15134, 15140 \FrameCommand 11731 \FrameHeightAdjust 11805 \FrameRestore . 11739, 11743, 11859, 11860 \fromaddress 9057, 9063, 9073, 13337, 13343 \fromname 9078 \fromplace 18436 \fromsig 9077, 9079, 18443 \fromvalue 3965, 4051, 4074, 4096, 4111 \frontmatter 6227 \fs@bidituftefloatboxed 5171 \fs@bidituftefloatplain 5150, 5158 \fs@bidituftefloatplaintop 5158 \fs@bidituftefloatruled 5163 \fslice . 15785, 15786, 15788, 15789, 15792	\ftn@amount ... 12007, 12008, 12009, 12016, 12020, 12021 \ftn@font 17236, 17785, 18484 \ftn@rule@height 17243, 17246, 17250, 17253, 17792, 17795, 17799, 17802, 18491, 18494, 18498, 18501 \ftn@rule@test@values 17242, 17249, 17791, 17798, 18490, 18497 \ftn@rule@width 17246, 17253, 17795, 17802, 18494, 18501 \ftnm@font 17238, 17787, 18486 \full@width 15192, 15204, 15252 \futurelet 790, 792, 1042, 1044, 1292, 1294, 2716, 3765, 3768, 16342, 16344, 16483, 16485
\footnotesize ... 38, 52, 68, 106, 226, 241, 255, 270, 413, 737, 989, 1239, 2527, 2549, 4682, 4683, 4721, 5340, 5341, 5342, 5534, 5564, 5582, 5600, 6747, 6924, 7029, 8792, 8885, 9340, 9341, 9342, 10892, 11476, 11477, 11478, 11483, 11500, 11516, 11546, 11560, 11574, 13271, 15768, 15770, 16289, 16426, 16686, 16883, 17261, 17810, 18509	\fourcolumnfootnotes 9644 \fp 14476, 14477, 14478, 14479 \fps@figure 12352 \framebox 8062, 8193, 15134, 15140 \FrameCommand 11731 \FrameHeightAdjust 11805 \FrameRestore . 11739, 11743, 11859, 11860 \fromaddress 9057, 9063, 9073, 13337, 13343 \fromname 9078 \fromplace 18436 \fromsig 9077, 9079, 18443 \fromvalue 3965, 4051, 4074, 4096, 4111 \frontmatter 6227 \fs@bidituftefloatboxed 5171 \fs@bidituftefloatplain 5150, 5158 \fs@bidituftefloatplaintop 5158 \fs@bidituftefloatruled 5163 \fslice . 15785, 15786, 15788, 15789, 15792	G \g 8568, 8570, 8574, 8667, 14174, 14179, 14181, 14187, 14189, 14232, 14236, 14237, 14283, 14287, 14288, 14305, 14306, 14343, 14359, 14362, 14368, 14369, 14370, 14371, 14372, 14381, 14382, 14384, 14386, 14387, 14388, 14395, 14396, 14401, 14407, 14416, 14419, 14427, 14428, 14431, 14432, 14433, 14434, 14435, 14436, 14438, 14441, 14442, 14444,
\footnotetext .. 2207, 2218, 6489, 6499 \footrule 11029 \footrulewidth 2397, 5003 \footscript 9261, 9267, 9271, 9273, 11677, 11681, 11683 \footskip .. 11029, 21736 \footttextfont .. 9140, 9160, 9202, 9340, 9433, 9452, 9487,	\forcerectofloat .. 4805 \forceversofloat .. 4806 \forvariable 3965, 3971, 4047, 4083, 4090, 4095, 4101, 4106, 4110, 4111 \fourcolumnfootnotes 9644 \fp 14476, 14477, 14478, 14479 \fps@figure 12352 \framebox 8062, 8193, 15134, 15140 \FrameCommand 11731 \FrameHeightAdjust 11805 \FrameRestore . 11739, 11743, 11859, 11860 \fromaddress 9057, 9063, 9073, 13337, 13343 \fromname 9078 \fromplace 18436 \fromsig 9077, 9079, 18443 \fromvalue 3965, 4051, 4074, 4096, 4111 \frontmatter 6227 \fs@bidituftefloatboxed 5171 \fs@bidituftefloatplain 5150, 5158 \fs@bidituftefloatplaintop 5158 \fs@bidituftefloatruled 5163 \fslice . 15785, 15786, 15788, 15789, 15792	G \g 8568, 8570, 8574, 8667, 14174, 14179, 14181, 14187, 14189, 14232, 14236, 14237, 14283, 14287, 14288, 14305, 14306, 14343, 14359, 14362, 14368, 14369, 14370, 14371, 14372, 14381, 14382, 14384, 14386, 14387, 14388, 14395, 14396, 14401, 14407, 14416, 14419, 14427, 14428, 14431, 14432, 14433, 14434, 14435, 14436, 14438, 14441, 14442, 14444,



14447,	14449,	8597, 8600, 8602,	\Gin@outer@scalex	15608
14452,	14457,	14066, 20359, 20655	\Gin@outer@scaley	15609
14465,	14466,	\g@mix@page@int .. 14614	\Gin@scalex	15613
14468,	14469,	\gdef .. 406, 408, 2046,	\Gin@scaley	15614
14470,	14471,	2418, 2419, 2420,	\Gin@urx	12172
14472,	14473,	2421, 2422, 2423,	\Gin@ury	12173
14474,	14476,	2425, 2426, 2587,	\Gin@include@graphics	
14477,	14478,	2611, 3643, 3729,	..... 12174, 12186	
14479,	14481,	3731, 3741, 3743,	\Gin@input@path	14374
14482,	14492,	4060, 4062, 4063,	\global	301, 437,
14500,	14501,	4533, 4544, 4818,	438, 439, 440, 441,	
14502,	14504,	4819, 4821, 4824,	442, 443, 444, 445,	
14509,	14510,	4904, 4909, 4910,	446, 447, 448, 466,	
14515,	14516,	4911, 5063, 5104,	472, 473, 474, 475,	
14520,	14525,	5483, 5621, 5650,	476, 477, 478, 479,	
14528,	14535,	5679, 5718, 5727,	480, 481, 482, 483,	
14537,	14540,	5736, 6065, 6082,	484, 519, 520, 671,	
14541,	14545,	6098, 6110, 6150,	672, 779, 780, 781,	
14547,	14548,	6151, 6152, 6339,	782, 783, 784, 785,	
14551,	14552,	6342, 6597, 6609,	786, 787, 788, 817,	
14553,	14557,	6611, 7572, 7635,	823, 824, 825, 826,	
14558,	14562,	8551, 8564, 10781,	827, 828, 829, 830,	
14563,	14570,	10794, 10807,	831, 832, 833, 915,	
14585,	14586,	10808, 11049,	916, 1031, 1032,	
14587,	14589,	11085, 11371,	1033, 1034, 1035,	
14594,	14597,	11431, 11918,	1036, 1037, 1038,	
14598,	14601,	11967, 13400,	1039, 1040, 1069,	
14605,	14606,	13633, 13636,	1075, 1076, 1077,	
14607,	14611,	14922, 15022,	1078, 1079, 1080,	
14612,	14613,	15549, 15570,	1081, 1082, 1083,	
14620,	14621,	15959, 19033,	1084, 1085, 1154,	
14622,	14624,	19298, 19299,	1155, 1281, 1282,	
14625,	14628,	19304, 19327,	1283, 1284, 1285,	
14629,	14634,	19328, 20652,	1286, 1287, 1288,	
14640,	14651,	21059, 21109,	1289, 1290, 1319,	
14656,	14657,	21334, 21391, 21438	1325, 1326, 1327,	
14658,	14662,	\geometry	1328, 1329, 1330,	
14665,	14666,	4707, 4711, 4714, 4718	1331, 1332, 1333,	
14667,	14668,	\Gin@angle	1334, 1335, 1461,	
14670,	14678,	\Gin@bboxtrue	1462, 1995, 1996,	
14692,	14693,	\Gin@defaultbp	1997, 1998, 1999,	
14694,	14695,	.. 12170, 12171,	2000, 2001, 2002,	
14697,	14700,	12172, 12173,	2003, 2004, 2005,	
14708,	14709,	19260, 19261, 19264	2205, 2208, 2211,	
14712,	14716,	\Gin@eheight	2214, 2218, 2221,	
14717,	14719,	\Gin@esetsize	2224, 2303, 2307,	
14721,	14722,	\Gin@ewidth . 15611, 15612	2329, 2612, 2626,	
14723,	14727,	\Gin@exclamation ..	2628, 2634, 2636,	
14728,	14729,	. 12218, 15611, 15614	2647, 2653, 2665,	
14734,	14741,	\Gin@gridfalse ... 15597	2689, 2773, 2789,	
15627, 15635, 15638		\Gin@iii	2948, 3002, 3056,	
\g@addto@macro . 4210,		\Gin@iii ... 12166, 12180	3865, 3867, 3887,	
4454, 4539, 4549,		\Gin@llx	3888, 3899, 3907,	
4800, 5486, 5488,		\Gin@lly	3917, 4030, 4049,	



4051, 4053, 4065,	8816, 8817, 8818,	11197,	11200,
4070, 4669, 4803,	8819, 8820, 8821,	11202,	11208,
4847, 4848, 5220,	8822, 8823, 8841,	11209,	11210,
5231, 5234, 5264,	8847, 8848, 8849,	11228,	11232,
5275, 5278, 5308,	8850, 8851, 8852,	11235,	11238,
5319, 5322, 5376,	8853, 8854, 8855,	11240,	11244,
6143, 6340, 6343,	8856, 8857, 8909,	11542,	11543,
6361, 6365, 6381,	8910, 8911, 8912,	11556,	11557,
6392, 6418, 6419,	8913, 8914, 8915,	11570,	11571,
6446, 6459, 6460,	8916, 8917, 8918,	11892,	11893,
6480, 6490, 6493,	8919, 8920, 8938,	11894,	11895,
6496, 6499, 6502,	8944, 8945, 8946,	11901,	11902,
6505, 6537, 6547,	8947, 8948, 8949,	11903,	11904,
6561, 6563, 6568,	8950, 8951, 8952,	11905,	11906,
6569, 6575, 6576,	8953, 8954, 8955,	11916,	11925,
6578, 6598, 6610,	8956, 8989, 8990,	11950,	11951,
6612, 6670, 6671,	9198, 9209, 9220,	11952,	11953,
6789, 6790, 6791,	9384, 9386, 9427,	11954,	11955,
6792, 6793, 6794,	9495, 9507, 9520,	11965,	11974,
6795, 6796, 6797,	9601, 9612, 9624,	12003,	12004,
6798, 6847, 6848,	9707, 9719, 9732,	12016,	12017,
6966, 6967, 6968,	9816, 9828, 9841,	12018,	12020,
6969, 6970, 6971,	9925, 9937, 9950,	12021,	12022,
6972, 6973, 6974,	10034, 10046,	12023,	12105,
6975, 7053, 7054,	10059, 10143,	12118,	12778,
7055, 7056, 7057,	10155, 10168,	12792,	12816,
7058, 7059, 7060,	10252, 10264,	12830,	12863,
7061, 7062, 7063,	10277, 10361,	12894,	12925,
7064, 7082, 7088,	10373, 10386,	12988,	12998,
7089, 7090, 7091,	10409, 10423,	13583,	13975,
7092, 7093, 7094,	10496, 10500,	13976,	14024,
7095, 7096, 7097,	10558, 10562,	14027,	14046,
7098, 7099, 7100,	10630, 10655,	14047,	14055,
7134, 7135, 7227,	10669, 10740,	14752,	14753,
7237, 7238, 7239,	10784, 10787,	14754,	14755,
7240, 7241, 7242,	10793, 10799,	14756,	14757,
7243, 7244, 7252,	10801, 10806,	14758,	14759,
7265, 7270, 7274,	10825, 10826,	14760,	14777,
7330, 7559, 7560,	10914, 10915,	14872,	14909,
7570, 7577, 7611,	10916, 10917,	14910,	14920,
7622, 7623, 7633,	10918, 10919,	14926,	14929,
7640, 7670, 7695,	10920, 10921,	14931,	14933,
7714, 7911, 7922,	10922, 10923,	14934,	14936,
7935, 7947, 7949,	10941, 10947,	14941,	14949,
7958, 7960, 7961,	10948, 10949,	14951,	14959,
7964, 7967, 7977,	10950, 10951,	14960,	14961,
7984, 7985, 7992,	10952, 10953,	14962,	14964,
8218, 8225, 8239,	10954, 10955,	14965,	14968,
8246, 8258, 8266,	10956, 10957,	14969,	15000,
8270, 8287, 8290,	11037, 11038,	15001,	15009,
8298, 8303, 8315,	11047, 11053,	15010,	15020,
8323, 8327, 8339,	11073, 11074,	15026,	15029,
8342, 8350, 8355,	11083, 11090,	15031,	15033,
8677, 8814, 8815,	11161, 11164,	15034,	15036,



15041,	15049,	16761,	16762,	18614,	18615,
15051,	15059,	16763,	16764,	18616,	18617,
15060,	15061,	16765,	16766,	18618,	18619,
15062,	15064,	16767,	16768,	18620,	18621,
15065,	15068,	16769,	16770,	18622,	18623,
15069,	15097,	16771,	16772,	18624,	18625,
15098,	15104,	16803,	16804,	18840,	18894,
15105,	15117,	16907,	16908,	18896,	19124,
15118,	15119,	16909,	16910,	19128,	19129,
15120,	15121,	16911,	16912,	19130,	19147,
15122,	15124,	16913,	16914,	19159,	19164,
15130,	15202,	16915,	16916,	19168,	19180,
15219,	15225,	16917,	16918,	19217,	19219,
15239,	15247,	16936,	16942,	19224,	19226,
15490,	15707,	16943,	16944,	19493,	19494,
15724,	15725,	16945,	16946,	19497,	19498,
15726,	15727,	16947,	16948,	20025,	20026,
15735,	15742,	16949,	16950,	20076,	20080,
15775,	15799,	16951,	16952,	20649,	20797,
15800,	15801,	16953,	16954,	20805,	20815,
16000,	16050,	16988,	16989,	20818,	20862,
16216,	16217,	17343,	17355,	21120,	21337,
16331,	16332,	17356,	17357,	21348,	21378,
16333,	16334,	17358,	17359,	21379,	21389,
16335,	16336,	17360,	17361,	21396,	21425,
16337,	16338,	17362,	17363,	21426,	21436,
16339,	16340,	17364,	17365,	21443,	21535,
16369,	16375,	17366,	17367,	21546,	21549,
16376,	16377,	17368,	17369,	21579,	21590,
16378,	16379,	17370,	17371,	21593,	21621,
16380,	16381,	17372,	17373,	21630,	21631,
16382,	16383,	17374,	17375,	21632,	21633,
16384,	16385,	17376,	17377,	21635,	21638,
16470,	16471,	17577,	17631,	21639,	21653,
16472,	16473,	17633,	17892,	21658,	21672,
16474,	16475,	17904,	17905,	21673,	21675,
16476,	16477,	17906,	17907,	21684,	21717,
16478,	16479,	17908,	17909,	21729,	21732,
16480,	16481,	17910,	17911,	21734,	21741,
16510,	16516,	17912,	17913,	21745,	21747,
16517,	16518,	17914,	17915,	21748, 21751, 21760	
16519,	16520,	17916,	17917,	\GlobalSetatBoolean	2782
16521,	16522,	17918,	17919,	\GlobalSetBoolean	.
16523,	16524,	17920,	17921,	....	2766, 4805,
16525,	16526,	17922,	17923,		4806, 4833, 4834,
16527,	16528,	17924,	17925,		4838, 4839, 5132, 5133
16588,	16589,	17926,	18157,	\glossary	.. 11222, 21712
16720,	16721,	18211,	18213,	\glueexpr	.... 20205,
16722,	16723,	18591,	18603,		20212, 20217,
16724,	16725,	18604,	18605,		20278, 20339,
16726,	16727,	18606,	18607,		20342, 20346, 20352
16728,	16729,	18608,	18609,	\Gm@pageframes	... 12280
16730,	16731,	18610,	18611,	\Gm@vrule	.... 12263,
16754,	16760,	18612,	18613,		12264, 12265,



12267, 12268, 12269, 12272, 12273, 12274, 12277, 12278, 12279 \Gm@vrules@mpi ... 12260 \Gm@vrules@mpii .. 12270 \grid 15605, 15618 \Grot@box 12138, 12146, 17167, 17178, 17185, 17195 \Grot@box@kv 12139 \Grot@box@std 12133 \Grot@setangle 12134, 12145, 17160, 17170, 17181, 17188 \Grot@x 12136, 12141, 17165, 17175, 17183, 17193 \Grot@y 12137, 12142, 17166, 17176, 17183, 17194 \group .. 14355, 14376, 14663, 14676, 14681, 14688, 14744 \grp@aligned 7243 \GRP@box . 7238, 7270, 7272 \grp@eqs@numbered . 7242 \grp@hasNumber 7247 \GRP@label 7239 \grp@linewidth 7241 \GRP@queue ... 7238, 7274 \grp@setnumber 7247 \grp@shiftnumber .. 7244 \grp@wdL 7240 \grp@wdNum 7241 \grp@wdR 7240 \grp@wdT 7240 \Gscale@box 12148, 12240, 12257 \Gscale@div 12239, 12246, 12249 \Gscale@end . 12152, 12198 \Gscale@start 12152, 12198 \Gscale@x .. 12150, 12196 \Gscale@y .. 12150, 12196 \gsetlength 4667, 4820, 4912, 5374, 5623, 5625, 5652, 5654, 5681, 5683 H \H@@footnotemark 12669, 12758, 12951, 12965, 12982	\H@@footnotetext 9110, 12628, 12639, 12708, 12755, 12869, 12952, 12968, 12982 \H@@mpfootnotetext ... 9116, 12637, 12671, 12675, 12759 \H@refstepcounter 13158 \halign 6380, 13978 \hangafter .. 7420, 14845 \hangindent 107, 108, 109, 227, 228, 229, 647, 874, 1130, 6000, 6001, 6002, 6647, 6824, 7324, 7420, 13272, 13273, 13274, 14838, 14844, 16193, 16565, 21255, 21779 \hb@xt@ 456, 516, 535, 668, 695, 897, 912, 1059, 1151, 1179, 1989, 6668, 6693, 6845, 6870, 7072, 7132, 7149, 7410, 7579, 7584, 7588, 7642, 7643, 7649, 7875, 7881, 7886, 7893, 7900, 8721, 8733, 8831, 8928, 8987, 9266, 9273, 9278, 9285, 9290, 9297, 10823, 10840, 10931, 11092, 11093, 11099, 11119, 11134, 11253, 11676, 11683, 11688, 11695, 11700, 11707, 11927, 11928, 11934, 11976, 11981, 11985, 12161, 12207, 12262, 12267, 12272, 12276, 13333, 13497, 13504, 13511, 13516, 13584, 14873, 14975, 14980, 14984, 15075, 15076,	15082, 15179, 16214, 16239, 16586, 16611, 16702, 16745, 16818, 16926, 16986, 17003, 17543, 17583, 18123, 18163, 18806, 18846, 19071, 19756, 19914, 20020, 20412, 20525, 20562, 20564, 20630, 20637, 20639, 21071, 21252, 21253, 21328, 21398, 21403, 21407, 21445, 21446, 21452, 21642, 21723, 21739, 21761 \hbadness 5175, 8211, 8232, 19200, 19202, 20736, 20737, 20754 \hbox . 15, 28, 188, 210, 232, 345, 379, 387, 404, 544, 654, 731, 882, 965, 1137, 1211, 1413, 1472, 1630, 1907, 2188, 4779, 4867, 4869, 4874, 4907, 4908, 4917, 4924, 5144, 5177, 5495, 5534, 5561, 5579, 5597, 5719, 5728, 5737, 6172, 6180, 6299, 6349, 6353, 6364, 6381, 6392, 6598, 6612, 6654, 6732, 6831, 6885, 7159, 7271, 7337, 7366, 7526, 7529, 7546, 7550, 8270, 8273, 8276, 8327, 8328, 8330, 8554, 8559, 8565, 8788, 9087, 10416, 10428, 10433, 10437, 10442, 10687, 10697, 10707, 10716, 10870, 11008, 11022,
---	---	--



11023,	11028,	19098,	19111,	1442, 1448, 1449,
11030,	11054,	19139,	19150,	1450, 1961, 1966,
11057,	11061,	19189,	19259,	6350, 6352, 6457,
11138,	11142,	20517,	20518,	6668, 6693, 6845,
11144,	11182,	20567,	20569,	6870, 7132, 7149,
11187,	11397,	20626,	20627,	7410, 7527, 7530,
12126,	12127,	20830,	20864,	7547, 7551, 7581,
12135,	12140,	20866,	20872,	7583, 7646, 7648,
12151,	12152,	20985,	20994,	7878, 7880, 7897,
12197,	12198,	20995,	21004,	7899, 8721, 8733,
12236,	12243,	21069,	21070,	8987, 9426, 10823,
13278,	13284,	21073,	21074,	10840, 11056,
13303,	13356,	21075,	21076,	11096, 11098,
13967,	13987,	21084,	21090,	11124, 11137,
13992,	14049,	21254,	21263,	11144, 11931,
14052,	14360,	21265,	21270,	11933, 11978,
14376,	14377,	21280,	21295,	11980, 12269,
14395,	14655,	21324,	21325,	12274, 13303,
14657,	14667,	21650, 21660, 21662		13584, 13992,
14703,	14738,	\hboxL 192,		14873, 14977,
15152,	15186,	1622, 1624, 1902,		14979, 15079,
15202,	15204,	11839, 11856,		15081, 15179,
15314,	15633,	13499, 15915, 20995		15772, 15826,
15635,	15638,	\hboxR 190, 1616, 1618,		15830, 15835,
15719,	15768,	1900, 15905, 20985		15839, 15851,
15772,	15792,	\headstyle 621,		15862, 15888,
15825,	15829,	928, 1122, 1355,		16214, 16239,
15834,	15838,	6639, 6816, 16167,		16586, 16611,
15850,	15861,	16550, 16617, 16679		16801, 16818,
15878,	15888,	\headheight 1971, 8539,		16986, 17003,
15905,	15914,	11023, 11230, 21719		19756, 19914,
15915,	15924,	\headrule 11026		20020, 20412,
15978,	15979,	\headrulewidth 2396, 5002		20525, 20562,
15980,	15982,	\headsep . . 1979, 1982,		20564, 20630,
15983,	16009,	8540, 11231, 21728		20637, 20639,
16027,	16038,	\headwidth 2486, 11022,		21098, 21328,
16200,	16254,	11024, 11025,		21400, 21402,
16572,	16677,	11026, 11028,		21449, 21451,
16801,	16831,	11030, 11031, 11032		21661, 21663,
17013,	17182,	\height . 12142, 12216,		21700, 21701,
17236,	17238,	12424, 12426,		21703, 21704, 21761
17253,	17506,	12430, 12432,	\hfill 1478, 1479, 2507,	
17614,	17785,	12459, 12460,	2513, 2527, 4936,	
17787,	17802,	12463, 12464,	4937, 4940, 4941,	
18086,	18194,	12521, 12522,	6321, 6331, 7343,	
18355,	18356,	12525, 12526,	7344, 8063, 11024,	
18365,	18381,	12554, 12556,	11025, 11030,	
18387,	18393,	12560, 12562,	11031, 15154,	
18399,	18405,	14706, 14714, 14739	15178, 15417,	
18411,	18417,	\hfil . 15, 210, 516, 535,	15420, 15421,	
18423,	18429,	668, 695, 897, 912,	15422, 15425,	
18484,	18486,	1060, 1151, 1179,	15426, 15427,	
18501,	18769,	1409, 1410, 1411,	15428, 15429,	
18877,	19050,	1412, 1440, 1441,	15432, 15433,	



15434,	15435,	7593, 7596, 7652,	1921, 2320, 5176,
15436,	15437,	7655, 7723, 7726,	5177, 5237, 5281,
15438,	15441,	7910, 7911, 7922,	5325, 5922, 6642,
15442,	15443,	7923, 7935, 7936,	6819, 7267, 7527,
15444,	15445,	7948, 7983, 7985, 7986	7530, 7547, 7551,
15446,	15447,	\holder . 15782, 15785,	9162, 9176, 9190,
15448,	15449,	15794, 15804,	9202, 9213, 9224,
15452,	15453,	15805, 15823,	9419, 9481, 9499,
15454,	15457,	15827, 15832,	9511, 9524, 9587,
15458,	15459,	15836, 15848,	9605, 9616, 9628,
15462,	15463,	15852, 15859, 15863	9693, 9711, 9723,
15464,	15465,	\href 2532, 2533,	9736, 9802, 9820,
15466,	15469,	2536, 2537, 2540, 2541	9832, 9845, 9911,
15470,	15471,	\HRTL@mpRTLfootnotetext	9929, 9941, 9954,
15472,	15473,	. . . 9120, 12648,	10020, 10038,
15476,	15477,	12672, 12686, 12761	10050, 10063,
15478,	15479,	\HRTL@RTLfootnotetext	10129, 10147,
15480,	15879,	. . . 9114, 12629,	10159, 10172,
15883,	17253,	12650, 12723,	10238, 10256,
17651,	17668,	12757, 12836,	10268, 10281,
17802,	18231,	12931, 12953, 12971	10347, 10365,
18248,	18383,	\hrule 31,	10377, 10390,
18389,	18395,	235, 540, 725, 960,	10427, 10588,
18401,	18407,	1205, 5166, 5167,	10600, 10612,
18413,	18419,	5177, 5178, 6351,	10646, 10649,
18425,	18501,	6726, 6879, 6989,	10660, 10663,
18914,	18931,	6995, 7001, 7007,	10674, 10677,
19299,	19328,	7155, 7835, 8206,	11143, 11144,
20386,	20389,	8784, 9083, 9132,	11487, 11504,
20393,	20519,	10866, 11400,	11520, 11547,
20628, 20785, 21326		11402, 11434,	11561, 11575,
\hfilneg 9420, 9424		11844, 13281,	11592, 11593,
\hfuzz . 8552, 19201, 19203		13352, 14133,	11739, 11844,
\hintcolour 2426		15266, 15317,	11874, 11877,
\hintfont 2434,		15880, 16248,	11881, 11884,
2442, 2496, 2503, 2508		16671, 16827,	11885, 13580,
\hintscolumnwidth .		17009, 17246,	13584, 13978,
. 2462,		17253, 17501,	13989, 13992,
2476, 2480, 2488,		17795, 17802,	14019, 14102,
2496, 2502, 2508, 2565		18081, 18361,	14103, 14110,
\hintstyle 2442		18494, 18501, 18764	14133, 14869,
\hline 13944, 13946, 13952		\hrulefill 28,	14873, 15106,
\HLOFF 2051		232, 544, 731, 965,	15186, 15188,
\HLON 2045		1211, 6732, 6885,	15196, 15232,
\HLTR@LTRfootnotetext		7159, 8788, 9087,	15236, 15240,
. . . 9112, 12630,		10870, 11397,	15243, 15248,
12661, 12738,		13278, 13356,	15251, 15301,
12756, 12798,		15314, 16254,	15305, 15309,
12900, 12954, 12974		16677, 16831,	15941, 15943,
\HLTR@mpLTRfootnotetext		17013, 17506,	16111, 16170,
. . . 9118, 12659,		18086, 18365, 18769	16620, 16682,
12673, 12697, 12760		\hsize 41, 55,	16698, 16741,
\hoffset 1975		71, 244, 258, 273,	17220, 17227,
\hold@viper		624, 931, 1125,	17229, 17543,



17544,	17583,	13302,	13334,	21411,	21644,
17769,	17776,	13356,	13491,	21646,	21660, 21663
17778,	18123,	14976,	14983,	\hspace .	108, 109, 228,
18124,	18163,	14987,	14988,	229,	553, 2497,
18342,	18347,	15153,	15165,	2502,	2508, 4919,
18349,	18468,	15177,	15232,	4926,	5148, 5826,
18475,	18477,	15236,	15240,	5827,	5833, 5834,
18806,	18807,	15243,	15244,	5840,	5841, 5847,
18846,	20577,	15248,	15251,	5848,	5975, 6001,
20580,	20585,	15252,	15314,	6002,	8193, 8366,
20589,	20593,	15417,	15420,	8369,	8373, 8375,
20597,	20601,	15422,	15425,	8380,	8382, 8386,
20605,	20609,	15427,	15429,	8389,	8392, 8396,
20613,	20833,	15432,	15434,	8398,	8402, 8404,
20854,	20858,	15436,	15438,	8408,	8411, 8414,
21025,	21035,	15441,	15443,	8418,	8420, 8425,
21179,	21552,	15445,	15447,	8427,	8740, 9074,
21596,	21757, 21761	15449,	15452,	9268,	9280, 9292,
\hskip	14, 28, 209, 232,	15454,	15457,	11678,	11690,
	305, 309, 534, 544,	15459,	15462,	11702,	12399,
	654, 655, 694, 731,	15464,	15466,	12415,	12428,
	882, 883, 896, 944,	15469,	15471,	12440,	12453,
	965, 1137, 1138,	15473,	15476,	12462,	12470,
	1178, 1211, 1358,	15478,	15480,	12515,	12524,
	1411, 1412, 1450,	15494,	15736,	12532,	12545,
	1474, 1477, 2579,	15743,	16200,	12558,	12570,
	5883, 6323, 6367,	16201,	16238,	12594,	13273,
	6368, 6371, 6373,	16254,	16553,	13274,	17538,
	6374, 6377, 6654,	16572,	16573,	17553,	17558,
	6655, 6692, 6732,	16610,	16677,	17560,	17561,
	6831, 6832, 6869,	16817,	16831,	18118,	18133,
	6885, 7148, 7159,	17002,	17013,	18138,	18140,
	7339, 7342, 7409,	17091,	17093,	18141,	18441,
	7580, 7587, 7591,	17100,	17102,	18801,	18816,
	7592, 7877, 7885,	17138,	17140,	18821,	18823,
	7890, 7891, 8271,	17149,	17151,	18824,	19022,
	8272, 8275, 8285,	17253,	17506,	19023,	19304,
	8286, 8329, 8720,	17802,	18086,	19316,	21882,
	8788, 9087, 10414,	18365,	18501,	21886,	21891,
	10839,	18769,	19059,	21893,	21897, 21899
	10870,	19065,	19077,	\hss . . .	457, 516, 535,
	11055,	19082,	19298,	668,	695, 897, 912,
	11064,	19327,	19488,	1151,	1179, 1646,
	11120,	19519,	19542,	1921,	1990, 5942,
	11397,	19559,	19576,	6668,	6693, 6845,
	11984,	19593,	19610,	6870,	7073, 7132,
	11989,	19627,	19645,	7149,	7410, 7586,
	12264,	19664,	19684,	7590,	7645, 7651,
	12268,	19719,	19911,	7883,	7888, 7895,
	12276,	20070,	20102,	7902,	8274, 8284,
	12279,	20512,	20559,	8329,	8338, 8554,
	13192,	20569,	20624,	8557,	8559, 8562,
	13208,	21322,	21399,	8565,	8721, 8733,
	13225,	21406,	21410,	8832,	8929, 8987,
	13242,				
	13278,				



9267, 9273, 9279,	7788, 7794, 7812,	. . . . . 7724, 7726,
9285, 9291, 9297,	7813, 7826, 7856,	7948, 7949, 7983, 7984
10823, 10840,	7948, 7983, 8214,	\ht@strip 15117, 15118,
10932, 11059,	8223, 8235, 8244,	15119, 15120,
11063, 11095,	8252, 8262, 8264,	15121, 15124, 15126
11101, 11253,	8280, 8309, 8319,	\ht@viper 7685,
11677, 11683,	8321, 8334, 8705,	7691, 7692, 7715,
11689, 11695,	9428, 9534, 9539,	7716, 7717, 7728,
11701, 11707,	9637, 9642, 9746,	7882, 7887, 7894, 7901
11930, 11936,	9751, 9855, 9860,	\httplink 2534
11983, 11987,	9964, 9969, 10073,	\Huge 5909, 6992,
12161, 12207,	10078, 10182,	7004, 7184, 7192,
12265, 12279,	10187, 10291,	9016, 9025, 10853,
13504, 13511,	10296, 10400,	10861, 17036, 17044
13516, 13987,	10405, 10418,	\huge 564,
13995, 14397,	10489, 10551,	5763, 5765, 5908,
14658, 14739,	11004, 11764,	6983, 7178, 8751,
14982, 14986,	11771, 11788,	8760, 9010, 10848,
15078, 15084,	11795, 11796,	17031, 17287,
15222, 15223,	11809, 11813,	17400, 17836,
15233, 15234,	11836, 12007,	17949, 18535, 18648
15750, 15760,	12012, 12154,	\hv@Bottom 12494
15980, 15991,	12155, 12157,	\hv@Center . . . 12398,
15992, 15993,	12200, 12201,	12409, 12449,
16214, 16239,	12203, 12336,	12511, 12539, 12592
16586, 16611,	13417, 13434,	\hv@figure . 12363, 12381
16702, 16745,	13953, 14006,	\hv@floatObject . . .
16801, 16818,	14021, 14036,	. . . . . 12324, 12328
16927, 16986,	14038, 14039,	\hv@floatType . 12354,
17003, 17236,	14131, 14138,	12363, 12381, 12599
17614, 17623,	14141, 14960,	\hv@Height 12336
17785, 18194,	14964, 14969,	\hv@label 12305
18203, 18355,	15060, 15064,	\hv@Left . . . 12339, 12407
18484, 18877,	15069, 15120,	\hv@longCap 12304
18886, 19071,	15122, 15320,	\hv@Right . . 12340, 12396
19914, 20020,	15326, 15330,	\hv@shortCap
20838, 20840,	15794, 15852,	. 12303, 12369, 12387
20845, 20851,	15863, 15868,	\hv@Top . 12422, 12458,
21071, 21189,	15869, 15870,	12478, 12520, 12552
21240, 21241,	15871, 15875,	\hv@Width . . 12334, 12357
21243, 21244,	15890, 16007,	\hv@Zero . . . 12323, 12586
21246, 21247,	16030, 17077,	\hvAboveCaptionSkip
21252, 21253,	17119, 17122,	. . . . . 12502, 12505
21310, 21311,	17177, 17184,	\hvBelowCaptionSkip
21312, 21313,	17567, 17569,	. . . . . 12486, 12489
21405, 21409,	17570, 18147,	\hvCaptionBox . 12358,
21448, 21454, 21648	18149, 18150,	12375, 12417,
\ht 385, 1460, 1493, 1636,	18830, 18832,	12419, 12430,
1913, 7358, 7367,	18833, 19099,	12432, 12442,
7369, 7686, 7693,	19135, 19147,	12444, 12450,
7701, 7715, 7726,	19262, 20873,	12451, 12459,
7743, 7745, 7748,	20875, 21281,	12460, 12467,
7750, 7764, 7777,	21624, 21634, 21638	12468, 12479,
7781, 7784, 7785,	\ht@hold@viper	12480, 12486,



12489, 12495,	12470, 12515,	\Hy@MakeRemoteAction
12496, 12503,	12524, 12532,	..... 13011
12506, 12512,	12545, 12558, 12570	\Hy@maketitle@end .
12513, 12521,	\hvSet@floatPos .. 12352	. 12957, 12962, 12964
12522, 12529,	\hvSet@objectAngle	\Hy@maketitle@optarg
12530, 12547,	..... 12323, 12327	..... 12955, 12960
12549, 12560,	\hvSet@objectPos ..	\Hy@pstringD 13010, 13029
12562, 12572, 12574	. 12396, 12398, 12592	\Hy@pstringdef
\hvCapWidth ... 12332,	\hvSet@rotAngle ...	.. 13009, 13010,
12334, 12336,	. 12317, 12586, 12589	13044, 13045, 13076
12338, 12342,	\Hy@Acrobatmenu .. 13103	\Hy@pstringF
12344, 12359, 12377	\Hy@backout 13130	.. 13007, 13008,
\hvFloat 12306	\Hy@BeginAnnot	13009, 13024,
\hvMaxCapWidth 12317,	.. 12986, 13006,	13044, 13057, 13062
12318, 12339,	13043, 13075, 13104	\Hy@pstringP 13045, 13062
12340, 12341, 12344	\Hy@bidipoem@footnotetext	\Hy@pstringURI
\hvObjectBox .....	..... 12859, 12868	..... 13076, 13089
.. 12321, 12324,	\Hy@bidipoem@LTRfootnotetext	\Hy@raisedlink 12679,
12326, 12330,	..... 12890, 12899	12690, 12701,
12336, 12411,	\Hy@bidipoem@RTLfootnotetext	12712, 12727,
12413, 12424,	..... 12921, 12930	12742, 12802,
12426, 12436,	\Hy@CleanupFile .. 13008	12840, 12873,
12438, 12454,	\Hy@colorlink . 13036,	12904, 12935, 13172
12455, 12463,	13068, 13097, 13123	\Hy@saved@footnotemark
12464, 12471,	\Hy@endAnnot .....	..... 12947, 12966
12472, 12479,	.. 12993, 13039,	\Hy@saved@footnotetext
12482, 12487,	13071, 13100, 13126	..... 12948, 12969
12490, 12495,	\Hy@endcolorlink . 12995	\Hy@SetNewWindow ..
12498, 12502,	\Hy@footnote@currentHlabel	..... 13031, 13059
12505, 12516,	. 12715, 12730, 12745	\Hy@setpdfborder ..
12517, 12525,	\Hy@footnote@currentHref	..... 13017,
12526, 12533,	..... 12677,	13051, 13082, 13111
12534, 12541,	12680, 12688,	\Hy@tabularx@hook .
12543, 12554,	12691, 12699,	..... 12754, 12766
12556, 12566, 12568	12702, 12710,	\Hy@temp@menu 13105, 13118
\hvObjectWidth	12713, 12716,	\Hy@xspace@end
.. 12330, 12334,	12725, 12728,	.. 13002, 13038,
12338, 12339, 12340	12731, 12740,	13070, 13099, 13125
\hvOBox 12324, 12328	12743, 12746,	\HyLTR@saved@LTRfootnotetext
\hvSet@capAngle ...	12789, 12827,	..... 12950, 12975
..... 12357, 12376	12860, 12891, 12922	\HyOrg@maketitle ..
\hvSet@capPos	\Hy@gtemp .. 12765, 12770	. 12945, 12956, 12961
.. 12339, 12340,	\Hy@href@nextactionraw	..... 13032,
12407, 12478, 12494	..... 13064, 13093, 13119	\HyOrg@TX@endtabularx
\hvSet@capVPos 12409,	\Hy@href@page 13027	..... 12753
12422, 12449,	\Hy@linkcounter 8605, 8610	\hyper@@anchor 12677,
12458, 12511,	\Hy@linktoc 12608	12680, 12688,
12520, 12539, 12552	\Hy@LT@currentHref	12691, 12699,
\hvSet@capWidth 12334,	..... 13160, 13171	12702, 12710,
12336, 12341, 12342	\Hy@LT@LTRfootnotetext	12713, 12725,
\hvSet@floatCapSep	..... 12788, 12797	12728, 12740,
..... 12415,	\Hy@LT@RTLfootnotetext	12743, 12800,
12428, 12440,	..... 12826, 12835	12803, 12838,
12453, 12462,		12841, 12871,



12874, 12902, 12905, 12933, 12936 \hyper@anchorend . 13173 \hyper@anchorstart 13173 \hyper@link 13001 \hyper@linkend 12612, 12616, 12620, 12622, 13002, 13135, 13138 \hyper@linkfile .. 13004 \hyper@linkstart 12612, 12616, 12620, 12622, 13002, 13131, 13138 \hyper@linkurl ... 13073 \hyper@makecurrent 13159 \hyper@nat@current 13132 \hyper@natlinkbreak 13137 \hyper@natlinkend 13134 \hyper@natlinkstart 13129 \hyperref 11677, 11681, 11683, 11689, 11693, 11695, 11701, 11705, 11707 \hypersetup 2380, 2388, 6019, 6078, 6095 \hyphenpenalty ... 6, 105, 201, 225, 623, 930, 1124, 6641, 6818, 13270, 13294, 16169, 16619, 16681, 16824 \HyRTL@saved@RTLfootnotetext 12949, 12972	2285, 2288, 2291, 2294, 3782, 3837, 3841, 3847, 3851, 3892, 3975, 4358, 7228, 7247, 7280, 7281, 7282, 11329, 11353, 11587, 13387, 13935, 13937, 13939, 15668, 19111, 19145, 19150, 19237, 19238, 19239, 19240, 19241, 19242, 19243, 19245, 19246, 19247, 19248, 19249, 19252, 19253, 19254, 21184, 21185, 21278, 21295, 21302, 21303, 21304, 21305, 21306, 21307 \if@allcaps 752, 761, 769, 1004, 1013, 1021, 1254, 1263, 1271, 6762, 6771, 6779, 6939, 6948, 6956, 16304, 16313, 16321, 16443, 16452, 16460 \if@altsecnumformat . 17424, 17972, 18671 \if@bib@break@ 17434, 17459, 17474, 17490, 18014, 18039, 18054, 18070, 18697, 18722, 18737, 18753 \if@bibchapter ... 19413 \if@bidi@amsmathloaded@ 13714 \if@bidi@amstextloaded@ 13717 \if@bidi@amsthmloaded@ 13720 \if@bidi@animateloaded@ 13723 \if@bidi@arabxetexloaded@ 13922 \if@bidi@arrayloaded@ 13856 \if@bidi@arydshnloaded@ 13880	\if@bidi@blank 2890, 3393, 3400 \if@bidi@breqnloaded@ 13726 \if@bidi@calsloaded@ 13729 \if@bidi@captionloaded@ 13732 \if@bidi@colorloaded@ 13738 \if@bidi@colortblloaded@ 13757 \if@bidi@croploaded@ 13735 \if@bidi@csdef . 1821, 2854, 2903, 10447, 15264, 15323, 15399 \if@bidi@csmacro .. 2902 \if@bidi@csprimitive 2912 \if@bidi@csundef 2586, 2589, 2592, 2596, 2601, 2860, 2933, 2968, 2993, 3022, 3047, 3079, 3085, 3113, 3119, 3128, 3145, 3667, 4563, 4615, 9093, 9094, 9107, 9108, 21778 \if@bidi@cutedloaded@ 13745 \if@bidi@cutwinloaded@ 13742 \if@bidi@dblfnoteloaded@ 13748 \if@bidi@def 2872 \if@bidi@defmacro 2895, 2896, 2904, 3292, 3311, 3455 \if@bidi@defparam 3313, 3407, 3408, 3457 \if@bidi@defprimitive 2906 \if@bidi@defprotected 3320, 3416, 3417, 3468 \if@bidi@diagboxloaded@ 13751 \if@bidi@draftwatermarkloaded@ 13811 \if@bidi@empheqloaded@ 13814
I		
\i 4086, 4087, 4099, 4111, 4112 \ialign ... 393, 19104, 19142, 21098, 21286 \IeC 13420 \if 361, 362, 363, 365, 366, 367, 368, 369, 372, 373, 374, 398, 404, 1386, 1387, 1388, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1399, 1400, 1401, 1424, 1425, 1426, 1428, 1429, 1430, 1431, 1432, 2279,		



\if@bidi@fancyboxloaded@ 13805	\if@bidi@multienumloaded@ 13886	\if@bidi@tocbasicloaded@ 13910
\if@bidi@fancyhdrloaded@ 13808	\if@bidi@natbibloaded@ 13892	\if@bidi@tocbibbindloaded@ 13916
\if@bidi@fancyvrbloaded@ 13928	\if@bidi@newfloatloaded@ 13895	\if@bidi@tocstyleloaded@ 13913
\if@bidi@floatloaded@ 13760	\if@bidi@ontheoremloaded@ 13799	\if@bidi@todonotes@figposition@right .. 20666, 20764, 20769, 20776, 20782
\if@bidi@floatrowloaded@ 13763	\if@bidi@overpicloaded@ 13817	\if@bidi@todonotes@textdirection@RTL 20665, 20699, 20739, 20773
\if@bidi@flowframloaded@ 13766	\if@bidi@patchable 3280, 3281	\if@bidi@undef 2878, 2937, 3189, 3200, 3219, 3223, 3227, 3231, 3241, 3245, 3249, 3253, 3289, 3308, 3452
\if@bidi@fontspecloaded@ 13919	\if@bidi@pdfencrypt 1570, 1804	\if@bidi@void@ompfootins ... 9091, 9359, 9367
\if@bidi@framedloaded@ 13769	\if@bidi@pdfm@mark 1573, 1816, 1872, 1936	\if@bidi@void@footins .. 9090, 10722, 10729
\if@bidi@ftnrightloaded@ 13772	\if@bidi@pdfpagesloaded@ 13820	\if@bidi@wrapfigloaded@ 13781
\if@bidi@geometryloaded@ 13787	\if@bidi@perpage@footnote 1565, 1791	\if@bidi@xcolorloaded@ 13754
\if@bidi@graphicxloaded@ 13784	\if@bidi@pgfloaded@ 13838	\if@bidi@xltxttraloaded@ 13775
\if@bidi@hvfloatloaded@ 13790	\if@bidi@picinparloaded@ 13841	\if@bidi@xtabloaded@ 13874
\if@bidi@hyperrefloaded@ 13802	\if@bidi@polyglossialloaded@ 13925	\if@bidi@xunicodeloaded@ 13778
\if@bidi@lettrineloaded@ 13823	\if@bidi@pstricksloaded@ 13835	\if@capbreak 17555, 18135, 18818
\if@bidi@linenoloaded@ 13826	\if@bidi@quotchaploaded@ 13844	\if@captionabove 17588, 17594, 17607, 17617, 18168, 18174, 18187, 18197, 18851, 18857, 18870, 18880
\if@bidi@list@minipage@parbox 1581, 21135, 21195, 21204, 21213, 21222, 21235, 21236, 21250, 21251	\if@bidi@rotatingloaded@ 13901	\if@cftdopart 19470
\if@bidi@list@minipage@parbox@not@nob 1582, 21143, 21197, 21206, 21215, 21224	\if@bidi@soulloaded@ 13862	\if@cfthaschapter 19461, 19465, 19471, 19492, 19504, 19526
\if@bidi@listingsloaded@ 13829	\if@bidi@stabularloaded@ 13859	\if@cfthaspart ... 19457
\if@bidi@longtableloaded@ 13877	\if@bidi@subfigloaded@ 13865	\if@chapterentrywithdots 18245, 18928
\if@bidi@mdf@RTL 14093, 14100	\if@bidi@subfigureloaded@ 13868	\if@colour 2363
\if@bidi@mdfframedloaded@ 13793	\if@bidi@supertabularloaded@ 13871	\if@colourgreen 8001, 8030, 8099, 8125
\if@bidi@midfloatloaded@ 13796	\if@bidi@tblsloaded@ 13904	\if@colourgrey . 8005, 8044, 8103, 8137
\if@bidi@minitocloaded@ 13889	\if@bidi@tabularyloaded@ 13907	
\if@bidi@multicolloaded@ 13883	\if@bidi@tikzloaded@ 13847	
	\if@bidi@titlesecloaded@ 13850	
	\if@bidi@titletocloaded@ 13853	



<code>\if@colourorange</code> 7999, 8023, 8097, 8119	<code>\if@ignore</code> ... 3634, 3636	869, 1121, 6638,
<code>\if@coloured</code> .. 8003, 8037, 8101, 8131	<code>\if@inlabel</code> 7227	6815, 7025, 16166,
<code>\if@compatibility</code> . .. 518, 670, 746, 914, 998, 1153, 1248, 6756, 6933, 16298, 16437, 19496, 20024, 21266	<code>\if@inltxdoc</code> 19406	16421, 16880, 19453
<code>\if@contcw</code> . 14825, 14854	<code>\if@insert</code> 7981	<code>\if@reversemargin</code> 21619
<code>\if@conthang</code> 14835	<code>\if@komalongtable</code> . . 17604, 18184, 18867	<code>\if@right@column@shrink</code> ... 7762, 7791, 7866
<code>\if@contindent</code> ... 14841	<code>\if@left@column@shrink</code> 7844	<code>\if@right@column@spread</code> 7860
<code>\if@DEBUG</code> 2334	<code>\if@left@column@spread</code> 7761, 7838	<code>\if@rjfield</code> 21658
<code>\if@displaypagenumbers</code> 2542, 2545	<code>\if@LTRbibitems</code> . 87, 290, 572, 707, 970, 1220, 1576, 2560, 6708, 6896, 7205, 8767, 9038, 10875, 13251, 14903, 15488, 16259, 16653, 16847, 17050, 17450, 18030, 18713, 19382	<code>\if@rl</code> 1563
<code>\if@donumindex</code> 19414, 19433	<code>\if@LTRmarginpar</code> 1575, 21643, 21648, 21652	<code>\if@rl@footnote</code> ... 1580
<code>\if@dotocbib</code> 19375	<code>\if@mainmatter</code> . 6226, 6982, 7177, 9009, 16043, 17975, 17991, 17999, 18007	<code>\if@rlmain</code> 1562
<code>\if@dotocind</code> 19421, 19438	<code>\if@minipage</code> . 4971, 14894	<code>\if@rot@twoside</code> 17081, 17086, 17096, 17126, 17132, 17144
<code>\if@extrafootnotefeatures</code> 1578, 1776	<code>\if@mparswitch</code> ... 21616	<code>\if@RTL</code> 12, 13, 25, 87, 104, 107, 108, 109, 173, 180, 189, 207, 208, 224, 227, 228, 229, 290, 305, 309, 513, 530, 533, 534, 557, 572, 624, 637, 648, 649, 654, 665, 690, 693, 694, 707, 875, 876, 882, 892, 895, 896, 909, 931, 970, 1125, 1131, 1132, 1137, 1148, 1174, 1177, 1178, 1196, 1220, 1359, 1360, 1471, 1472, 1485, 1496, 1563, 1596, 1874, 1881, 2560, 2800, 2806, 2957, 2982, 3011, 3036, 3068, 3102, 5882, 5883, 6000, 6001, 6002, 6642, 6648, 6649, 6654, 6665, 6688, 6691, 6692, 6708, 6819, 6825, 6826, 6831, 6842, 6865, 6868, 6869, 6896, 6980, 6991, 6993, 7129, 7144, 7147, 7148, 7175, 7189, 7205, 7224, 7236, 7249, 7324, 7365, 7366, 7370, 7371, 7373, 7380, 7386, 7405, 7408, 7409, 7415, 7420, 7527, 7530, 7547,
<code>\if@fcolmade</code> ... 7607, 7666, 11068, 11108, 11192, 11943, 11996, 12025, 14996, 15093, 21418, 21461	<code>\if@newlist</code> ... 11208, 11240, 21672, 21747	
<code>\if@files</code> 2613, 2958, 2964, 2983, 2989, 3012, 3018, 3037, 3043, 3069, 3075, 3103, 3109	<code>\if@nobreak</code> 4559, 11861, 14104, 16104	
<code>\if@firstcolumn</code> 7558, 7621, 7682, 7954, 7973, 11036, 11072, 11900, 11949, 12037, 14908, 15008, 15114, 21377, 21424, 21614	<code>\if@nonlatin</code> 336, 348, 1564, 1789, 2836, 2842, 7263, 7265, 14088	
<code>\if@firstdetailselement</code> 8166, 8168	<code>\if@noparlist</code> 6585	
<code>\if@firstfooterelement</code> 8070, 8073	<code>\if@noskipsec</code> .. 7226, 11862, 14105, 16105	
<code>\if@hboxRconstruct</code> 1569, 1875, 2824, 2830, 11586, 21142, 21166, 21197, 21206, 21215, 21224, 21235, 21236, 21250, 21251	<code>\if@oldtoc</code> . 658, 684, 886, 902, 1141, 1168, 6658, 6682, 6835, 6859, 16204, 16228, 16576, 16600	
	<code>\if@openright</code> 6254, 7196, 9029	
	<code>\if@ovb</code> 11012	
	<code>\if@ovl</code> 11010	
	<code>\if@ovr</code> 11009	
	<code>\if@ovt</code> 11011	
	<code>\if@pboxsw</code> 21191	
	<code>\if@ref</code> 18378	
	<code>\if@restonecol</code> 604, 620,	



7551, 8372, 8379,
8395, 8401, 8417,
8424, 8553, 8633,
8648, 8670, 8671,
8672, 8673, 8696,
8716, 8719, 8720,
8730, 8744, 8757,
8767, 8984, 9007,
9022, 9038, 9059,
9062, 9067, 9075,
10820, 10835,
10838, 10839,
10846, 10858,
10875, 11144,
11301, 11587,
11734, 11736,
12133, 12135,
12138, 12139,
12140, 12146,
12148, 12165,
12168, 12175,
12184, 12190,
12194, 12197,
12211, 12236,
12243, 12408,
12510, 12612,
12620, 13002,
13038, 13070,
13099, 13125,
13131, 13135,
13138, 13183,
13191, 13199,
13207, 13215,
13224, 13232,
13241, 13251,
13269, 13272,
13273, 13274,
13289, 13300,
13301, 13335,
13339, 13342,
13347, 13468,
13475, 13483,
13503, 13513,
13988, 14060,
14070, 14077,
14096, 14179,
14187, 14378,
14704, 14784,
14785, 14786,
14787, 14788,
14789, 14868,
14870, 14903,
15148, 15152,
15153, 15160,

15165, 15172,
15177, 15488,
15567, 15587,
15602, 15616,
15648, 15772,
15822, 15897,
15951, 15952,
15955, 15959,
15991, 15992,
15993, 16038,
16040, 16046,
16057, 16059,
16070, 16072,
16083, 16085,
16094, 16096,
16113, 16133,
16149, 16150,
16170, 16183,
16194, 16195,
16200, 16211,
16234, 16237,
16238, 16259,
16554, 16555,
16566, 16567,
16572, 16583,
16606, 16609,
16610, 16620,
16633, 16653,
16682, 16798,
16813, 16816,
16817, 16822,
16823, 16847,
16983, 16998,
17001, 17002,
17029, 17041,
17050, 17161,
17163, 17167,
17171, 17173,
17178, 17182,
17185, 17189,
17191, 17195,
17222, 17231,
17422, 17423,
17450, 17508,
17509, 17510,
17512, 17583,
17771, 17780,
17971, 18030,
18088, 18089,
18090, 18092,
18163, 18344,
18351, 18436,
18442, 18470,
18479, 18670,

18713, 18771,
18772, 18773,
18775, 18846,
19021, 19024,
19054, 19074,
19272, 19317,
19334, 19354,
19357, 19362,
19366, 19367,
19382, 19478,
19479, 19480,
19488, 19509,
19510, 19511,
19519, 19532,
19533, 19534,
19542, 19549,
19550, 19551,
19559, 19566,
19567, 19568,
19576, 19583,
19584, 19585,
19593, 19600,
19601, 19602,
19610, 19617,
19618, 19619,
19627, 19635,
19636, 19637,
19645, 19654,
19655, 19656,
19664, 19674,
19675, 19676,
19684, 19709,
19710, 19711,
19719, 19759,
19760, 19761,
20439, 20501,
20502, 20503,
20509, 20512,
20559, 20619,
20624, 20647,
20654, 20714,
20717, 20801,
20836, 20844,
20871, 20872,
20875, 20876,
20878, 20915,
20919, 20972,
20977, 21023,
21024, 21051,
21052, 21055,
21059, 21136,
21144, 21150,
21156, 21169,
21237, 21238,



21240, 21243,	8522, 8528, 8542,	20701, 20726, 20743
21246, 21250,	11306, 12261,	\if@todonotes@disabled
21251, 21252,	12271, 12288,	..... 20684, 20685
21253, 21255,	12294, 13521,	\if@todonotes@dviStyle
21257, 21258,	15105, 15262,	..... 20687, 20721
21263, 21310,	21467, 21688,	\if@ttb@rotate ... 11300
21311, 21317,	21694, 21723, 21739	\if@twocolumn ... 98,
21322, 21643,	\if@RTLmarginpar 1574,	218, 458, 591,
21648, 21652,	21643, 21648, 21652	607, 634, 641,
21660, 21661,	\if@RTLtab . 362, 363,	809, 856, 941, 952,
21662, 21663,	379, 382, 404, 406,	1061, 1108, 1193,
21758, 21761,	1367, 1368, 1387,	1200, 1311, 1615,
21769, 21779,	1388, 1425, 1426,	1621, 6180, 6625,
21881, 21891, 21897	1568, 2198, 2202,	6802, 7012, 7074,
\if@RTL@footnote 36,	2203, 2812, 2818,	8833, 8930, 10933,
239, 1580, 1877,	7284, 7286, 7307,	12039, 13263,
5250, 9157, 9198,	7314, 7336, 7337,	14767, 16153,
9450, 9495, 9559,	7350, 7361, 13936,	16180, 16187,
9601, 9662, 9707,	13938, 14049,	16361, 16408,
9771, 9816, 9880,	14052, 19089,	16502, 16630,
9924, 9989, 10033,	19093, 19094,	16637, 16746,
10098, 10143,	19111, 19119,	16867, 16928,
10207, 10252,	19125, 19150,	17335, 17884,
10316, 10361,	19238, 19239,	18583, 19408,
10514, 10535,	21095, 21270,	21339, 21613, 21772
10576, 10631,	21274, 21275,	\if@twoside 6171,
10640, 11481,	21295, 21303, 21304	8520, 11167,
11530, 11570, 11571	\if@sectionentrywithdots	17304, 17317,
\if@RTLbibitems . 87,	..... 17665	17385, 17853,
290, 572, 707, 970,	\if@sentedir 1876	17866, 17934,
1220, 1577, 2560,	\if@specialpage ...	18552, 18565,
6708, 6896, 7205,	..... 11163, 21683	18633, 20827, 21686
8767, 9038, 10875,	\if@star 16027	\if@vihproof 15133, 15139
13251, 14903,	\if@tab@rl 1568	\ifadl@inactive ... 1373
15488, 16259,	\if@tablecaptionabove	\ifadl@usingarypkg 1376
16653, 16847,	. 17635, 18215, 18898	\ifAM@output 15694
17050, 17450,	\if@tempswa 4401, 4446,	\ifAM@survey 15672
18030, 18713, 19382	8268, 8325, 20153	\ifartopt 14804
\if@RTLcolumnfootnotes	\if@thmmarks .. 15550,	\ifbidi@autofootererule
..... 1579,	15554, 15571, 15575	..... 11307,
9420, 9421, 9424,	\if@titlecentered .	11542, 11556, 11570
9425, 9460, 9512,	..... 1341, 16534	\ifbidi@in@label ..
9568, 9617, 9672,	\if@titlepage .. 411,	..... 3846, 3848
9724, 9781, 9833,	625, 733, 932, 985,	\IfbidiPackageVersion
9890, 9942, 9999,	1184, 1235, 7027,	..... 1549
10051, 10108,	8790, 8883, 10890,	\IfbidiPackageVersionBefore
10160, 10217,	16171, 16285,	..... 1543
10269, 10326, 10378	16422, 16621,	\IfbidiPackageVersionLater
\if@RTLmain 1562, 1595,	16684, 16881,	..... 1537
1614, 1873, 1880,	17256, 17805, 18504	\ifblendcolors 20883,
1899, 7423, 7446,	\if@tocstyle@penalties	20904, 20926, 20953
7469, 7492, 7876,	..... 20422, 20531	\ifbool 14118, 14127
8360, 8485, 8488,	\if@todonotes@authorgiven	\ifcase 1408, 1435, 1439,
8494, 8502, 8512,	..... 20690,	1443, 1447, 1473,



1665, 1671, 1677,	9270, 9277, 9282,	\iffalse
1683, 1689, 1695,	9289, 9294, 10490,	2744, 2745, 2747,
1707, 1713, 1719,	10494, 10498,	11861, 11862,
1726, 1740, 1747,	10552, 10556,	13631, 14104,
1757, 7338, 12608,	10560, 10998,	14105, 16104, 16105
14001, 19348,	11000, 11143,	\IfFileExists .. 4130,
19729, 20491,	11675, 11680,	4728, 6200, 6265
20561, 20671,	11687, 11692,	\iffootdir@debug ..
20679, 20903,	11699, 11704,	..... 11315, 11319
20952, 21354, 21355	11746, 11754,	\ifFootnoteBackref@numberlinked
\ifcat 1606, 1891, 3732, 3733	11770, 11771,	..... 11673
\ifconvertcolorsU .	11801, 11809,	\ifGin@grid . 15603, 15616
..... 20889,	11822, 11837,	\ifGin@iso 12250
20905, 20932, 20954	11870, 11871,	\ifhbox 10432, 10441, 10445
\ifcoddpage 4748	12153, 12160,	\ifhmode .. 2263, 5209,
\ifcsname	12199, 12206,	5253, 5297, 5540,
2855, 2861, 3206,	12251, 12341,	5546, 7371, 7373,
3595, 3609, 3623,	12479, 12495,	7380, 7386, 7405,
3633, 3655, 4175,	13426, 13440,	19310, 20876,
4190, 4404, 4412,	13446, 13580,	20878, 20915,
15512, 15522,	13989, 14036,	20919, 20972,
15536, 20446,	14039, 14774,	21250, 21251,
20447, 20456,	14817, 14824,	21294, 21524, 21568
20467, 20471,	14828, 14830,	\ifhv@fbox ... 12410,
20481, 20493,	14869, 14930,	12416, 12423,
20547, 20575,	14938, 14940,	12429, 12435,
20576, 20584,	15030, 15038,	12441, 12450,
20588, 20592,	15040, 15115,	12454, 12459,
20596, 20600,	15126, 15210,	12463, 12467,
20604, 20608, 20612	15218, 15224,	12471, 12485,
\ifdefined ... 2873, 2879	15238, 15246,	12501, 12512,
\ifdefining 3852	15722, 15769,	12516, 12521,
\ifdfn@allowcbreak	15794, 15852,	12525, 12529,
..... 8221, 8242	15863, 15870,	12533, 12540,
\ifdfn@ruleboth 8279, 8333	15875, 15890,	12546, 12553,
\ifdfn@trysingle ..	16003, 16028,	12559, 12565, 12571
..... 8260, 8317	17542, 17550,	\ifhv@nonFloat 12353,
\ifdim 1461, 1462, 1538,	18122, 18130,	12360, 12378,
1544, 1550, 4984,	18382, 18388,	12399, 12591, 12593
5551, 6320, 6357,	18394, 18400,	\ifhv@onlyText
6359, 6418, 6419,	18406, 18412,	..... 12361, 12379
6421, 6427, 6467,	18418, 18424,	\ifhv@useOBox 12324, 12328
6479, 6561, 6563,	18430, 18805,	\ifHy@href@ismap . 13090
6576, 6578, 6586,	18813, 19136,	\ifHy@hyperfootnotes
7257, 7701, 7716,	20064, 20078,	.. 9095, 9109, 12627
7760, 7763, 7792,	20083, 20457,	\ifHy@nesting
7800, 7801, 7807,	20482, 20548,	.. 12676, 12687,
7830, 7837, 7843,	20804, 20806,	12698, 12709,
7859, 7865, 7934,	20808, 20810,	12724, 12739,
7950, 7963, 7966,	20811, 20812,	12799, 12837,
7968, 8215, 8236,	20814, 20854,	12870, 12901, 12932
8256, 8265, 8292,	20861, 21625, 21757	\ifHy@pdfa ... 13016,
8296, 8313, 8322,	\ifdofullc@p	13050, 13081, 13110
8344, 8348, 9265,	. 17545, 18125, 18808	\ifin@ 4420



\ifin@label	3854	1786, 1787, 2295,	15879, 15882,
\ifinner	2269, 5215,	2631, 3130, 3706,	15883, 15989,
5259, 5303, 11749,		3734, 3736, 3744,	15990, 15997,
20796, 21530, 21574		3746, 3947, 3957,	16042, 16190,
\ifl@grid	13441	4055, 4061, 4086,	16206, 16222,
\ifl@realh	13377	4101, 4107, 6440,	16280, 16282,
\iflatin	2835	6644, 6660, 6676,	16284, 16362,
\ifLettrineImage .	13371	6740, 6742, 6744,	16503, 16562,
\ifLettrineOnGrid	13372	6821, 6837, 6853,	16578, 16594,
\ifLettrineRealHeight		6917, 6919, 6921,	16645, 16647,
.	13373	6981, 7075, 7124,	16649, 16747,
\ifLettrineSelfRef	13374	7139, 7162, 7164,	16794, 16808,
\ifltoR	2805	7166, 7176, 7258,	16834, 16836,
\ifltoR hboxconstruct		7525, 7533, 7538,	16838, 16929,
.	2829	7545, 7755, 7756,	16978, 16993,
\ifltoRtable	2817	7769, 7780, 7916,	17016, 17018,
\ifmaskcolors .	20893,	7928, 7941, 8156,	17020, 17030,
20904, 20936, 20953		8711, 8725, 8738,	17324, 17336,
\ifmmode		8747, 8834, 8931,	17873, 17885,
1864, 7365, 7370,		8980, 8994, 8996,	17974, 17990,
11113, 11123,		8998, 9008, 9426,	17998, 18006,
12133, 12135,		10815, 10830,	18572, 18584,
12138, 12139,		10847, 10934,	19181, 19229,
12140, 12146,		10984, 10986,	19230, 19231,
12148, 12165,		10988, 11276,	19232, 19234,
12168, 12175,		11278, 11280,	19339, 19341,
12184, 12190,		11289, 11291,	19460, 19464,
12194, 12197,		11293, 11439,	19506, 19525,
12211, 12236,		11542, 11556,	19547, 19564,
12243, 12987,		11570, 11870,	19581, 19598,
12999, 13002,		11872, 12060,	19615, 19633,
13038, 13070,		12989, 12994,	19652, 19672,
13099, 13125,		13291, 13433,	19707, 19890,
15705, 15763,		13493, 13551,	19891, 19998,
15995, 16031,		13554, 13562,	19999, 20023,
17161, 17163,		13565, 13634,	20033, 20421,
17167, 17171,		13950, 13951,	20426, 20444,
17173, 17178,		14031, 14032,	20617, 20835,
17182, 17185,		14768, 14801,	21117, 21300,
17189, 17191,		14927, 14957,	21301, 21315,
17195, 20871,		15027, 15057,	21370, 21621,
20875, 21186, 21261		15146, 15158,	21643, 21766, 21767
\ifNAT@openbib . . .	15491	15170, 15270,	\ifodd 2280, 6171, 8493,
\ifnonlatin	2841	15276, 15354,	8521, 8592, 11168,
\ifnum 3, 137, 143, 198,		15372, 15531,	12281, 12287,
304, 353, 354, 355,		15541, 15782,	20827, 21617, 21687
356, 358, 459, 508,		15788, 15800,	\ifoddpage
525, 551, 560, 644,		15803, 15804,	4742
660, 678, 810, 871,		15805, 15807,	\ifonelinecaptions
904, 922, 1062,		15808, 15809,	. 17516, 18096, 18779
1127, 1143, 1161,		15810, 15819,	\ifpgfrememberpicturepositiononpage
1312, 1378, 1379,		15841, 15846,	. . . . .
1380, 1381, 1383,		15857, 15868,	15718
1422, 1423, 1785,		15869, 15875,	\ifpoem@started 6414,
			6420, 6560, 6567, 6581
			\ifprimitive
			2907, 2914



\ifPst@shift@star	16019	20298,	20301,	3065, 4559, 4945,
\ifr@ggedbottom	.. 15969	20310,	20311,	4948, 4951, 4954,
\ifrot@messages	...	20312,	20315,	14133, 15200,
.....	17131, 17143	20318,	20338,	15561, 15581, 19123
\ifRtoL	..... 2799	20341,	20344,	\ifvoid ... 7593, 7609,
\ifRtoLhboxconstruct	..... 2823	20364,	20368,	7652, 7668, 7723,
\ifRtoLtable	..... 2811	20373,	20385,	7910, 8219, 8240,
\ifshowgrid	..... 15997	20388,	20392, 20402	8251, 8276, 8308,
\ifsomething	..... 3985	\ifstrstart	.....	8330, 9315, 9316,
\ifstr	.. 19772, 19773,	.. 20169, 20201, 20275		9324, 9330, 9354,
19774,	19775,	\iftagsleft@	.. 328, 8550	9355, 9371, 9383,
19776,	19777,	\iftest	..... 3789	10783, 10798,
19778,	19779,	\ifthenelse	.....	11605, 11830,
19780,	19795,	2514, 2531, 2535,		11851, 12006,
19796,	19797,	2539, 2547, 4641,		12011, 12029,
19798,	19800,	4701, 4703, 4706,		12031, 12040,
19801,	19802,	4710, 4713, 4716,		12050, 12070,
19805,	19808,	4741, 4798, 4817,		12071, 12075,
19817,	19818,	4832, 4837, 4843,		12086, 12093,
19819,	19822,	4852, 4863, 4869,		13166, 13170,
19825,	19844,	4875, 4876, 4883,		14049, 14149,
19845,	19846,	4890, 4892, 4898,		15185, 15340,
19848,	19849,	4915, 4933, 4935,		15342, 15356,
19850,	19853,	4939, 4957, 4958,		15357, 15401,
19856,	19865,	4961, 4962, 4997,		15405, 15409,
19866,	19867,	5006, 5017, 5027,		15897, 15963,
19870,	19873,	5076, 5191, 5415,		15965, 15970,
19927,	19928,	5433, 5434, 5452,		20977, 21030,
19929,	19930,	5453, 5471, 5472,		21040, 21472,
19931,	19932,	5503, 5504, 5622,		21487, 21488, 21511
19933,	19934,	5627, 5651, 5656,		\ifWF@float . 20809, 20823
19935,	19950,	5680, 5685, 5762,		\ifx . 115, 134, 136, 151,
19951,	19952,	5766, 5814, 6027,		155, 159, 166, 794,
19953,	19955,	6073, 6082, 6090,		798, 1046, 1050,
19956,	19957,	6117, 6164, 6233,		1296, 1300, 1795,
19960,	19963,	6244, 8060, 8066,		1796, 2146, 2152,
19972,	19973,	8083, 8086, 8087,		2158, 2173, 2204,
19974,	19977,	8088, 8089, 8090,		2256, 2259, 2520,
19980,	20178,	8176, 8181, 8184,		2521, 2522, 2524,
20179,	20180,	8185, 8186, 8187,		2624, 2653, 2656,
20181,	20182,	8188, 8191, 8195,		2676, 2680, 2700,
20183,	20184,	11249, 11264,		2704, 2719, 2723,
20185,	20186,	15662, 17085, 17130		2793, 2862, 2880,
20229,	20230,	\iftocstyle@autolength		3169, 3357, 3373,
20231,	20232,	..... 20466		3712, 3718, 3719,
20234,	20235,	\iftocstyle@indentnotnumbered		3756, 3757, 3758,
20236,	20239,	..... 20511, 20558		3759, 3769, 3775,
20242,	20251,	\iftrue	..... 2746,	3800, 3805, 3810,
20252,	20253,	5156, 5169, 5182		3815, 3821, 3826,
20256,	20259,	\ifttl@label	..... 19315	4014, 4120, 4144,
20289,	20290,	\ifTX@	..... 19171	4159, 4224, 4236,
20291,	20293,	\ifvbox	..... 10743,	4268, 4279, 4314,
20294,	20295,	12107, 15397, 15412		4320, 4331, 4332,
		\ifvmode	.. 2954, 3008,	4343, 4373, 4382,



4383,	4403,	4418,	17289,	17313,	4976,	4985,	5572,
4428,	4442,	4449,	17384,	17388,	5590,	5608,	5644,
4461,	4477,	4532,	17396,	17402,	5673,	5702,	5967,
4543,	5485,	6309,	17414,	17438,	6391,	6402,	6555,
6330,	6483,	6535,	17500,	17505,	6556,	6703,	6891,
6540,	6542,	7569,	17767,	17793,	7261,	7267,	7380,
7632,	8288,	8340,	17800,	17820,	7386,	7394,	7401,
9057,	9073,	9077,	17825,	17832,	9062,	9076,	9140,
11046,	11082,		17838,	17862,	9146,	9152,	11493,
11436,	11714,		17933,	17937,	11510,	11526,	
11915,	11964,		17945,	17951,	11553,	11567,	
12002,	12179,		17963,	18017,	11581,	12263,	
12221,	12222,		18080,	18085,	12267,	12272,	
12228,	12315,		18340,	18368,	12277,	13323,	
12317,	12323,		18369,	18370,	13342,	14088,	
12334,	12336,		18371,	18372,	14891,	14898,	
12339,	12340,		18373,	18374,	16176,	16185,	
12357,	12363,		18375,	18379,	16626,	16635,	
12364,	12366,		18385,	18391,	17161,	17171,	
12369,	12381,		18397,	18403,	17189,	17525,	
12382,	12384,		18409,	18415,	17546,	17551,	
12387,	12396,		18421,	18427,	17556,	17561,	
12398,	12407,		18436,	18466,	17579,	18105,	
12409,	12422,		18492,	18499,	18126,	18131,	
12449,	12458,		18519,	18524,	18136,	18141,	
12478,	12494,		18531,	18537,	18159,	18442,	
12511,	12520,		18561,	18632,	18788,	18809,	
12539,	12552,		18636,	18644,	18814,	18819,	
12586,	12592,		18650,	18662,	18824,	18842,	
12605,	12636,		18700,	18763,	20915,	20919,	
12647,	12658,		18768,	19131,	21162,	21201,	
12965,	12968,		19350,	19692,	21210,	21219,	21228
12971,	12974,		20047,	20051,	\iii	4093	
13018,	13026,		20055,	20152,	\ilg	15791,15814	
13052,	13060,		20433,	20504,	\immediate . . .	4556,6547	
13083,	13112,		20516,	20524,	\in@	4419	
13316,	13337,		20541,	20566,	\includegraphics . .		
13379,	13399,		20633,	20638,	. . . . .	2555,8062,	
13591,	13592,		20640,	20884,	8193,	15591,	15664
13596,	13598,		20927,	21060,	\includedia		
13955,	14878,		21170,	21173,	. . . . .	14353,14683,14684	
14919,	15019,		21180,	21341,	\includepdf	15655	
15284,	15289,		21349,	21388,	\indentedwidth	9075	
15294,	15517,		21435,	21700,	\index	3971,	
15521,	15528,		21701,	21703,	3972,	11221,	21711
15534,	15678,		\ifXC@tst . .	20907,20956	\indexname	598,	
15690,	15960,		\ignorespaces . . .	46,	599,	600,	614,
16012,	16053,		60,	76,	615,	863,	864,
16066,	16079,		263,	278,	1115,	1116,	5987,
16346,	16350,		639,	937,	5988,	6632,	6633,
16487,	16491,		1198,	3543,	6809,	6810,	7019,
17218,	17244,		4049,	4051,	7020,	7021,	16160,
17251,	17271,		4060,	4063,	16161,	16415,	
17276,	17283,		4072,	4968,	16416,	16874,	
				4975,			



16875,	16876,	21902,	21903,	\interlinepenalty	39,
19417,	19418,	21904,	21905,		53, 69, 242, 256,
19419,	19423,	21906,	21907,		271, 558, 622,
19424,	19425,	21908,	21909,		647, 874, 929,
19428,	19429,	21910,	21911,		1123, 1130, 5879,
19435,	19436,	21912,	21913,		6640, 6647, 6817,
19440,	19441,	21914,	21915,		6824, 6988, 7183,
19442, 19445, 19446		21916,	21917,		7191, 7913, 7925,
\indexspace 6003		21918,	21919,		7938, 8745, 8758,
\input 1662, 1663,		21920,	21921,		9015, 9024, 9346,
1777, 1870, 1946,		21922, 21923, 21924			10852, 10860,
2367, 6201, 6266,		\input@path 14374			11484, 11501,
21771,	21781,	\InputIfFileExists			11517, 15150,
21782,	21783,	.. 4118, 4127, 13390			15162, 15174,
21784,	21785,	\insert 35, 49, 65, 238,			16046, 16168,
21786,	21787,	252, 267, 1612,			16193, 16565,
21788,	21789,	1897, 8210, 8226,			16618, 16680,
21790,	21791,	8231, 8247, 8294,			17035, 17043,
21792,	21793,	8300, 8346, 8352,			19307, 19348,
21794,	21795,	9156, 9170, 9184,			19482, 19513,
21796,	21797,	9450, 9460, 9470,			19536, 19553,
21798,	21799,	9559, 9568, 9577,			19570, 19587,
21800,	21801,	9662, 9672, 9682,			19604, 19621,
21802,	21803,	9771, 9781, 9791,			19639, 19658,
21804,	21805,	9880, 9890, 9900,			19678, 19713,
21806,	21807,	9989, 9999, 10009,			20046, 20507,
21809,	21810,	10098, 10108,			20621, 20802, 21319
21814,	21820,	10118, 10207,		\intermath@penalty	7260
21827,	21828,	10217, 10227,		\intertextsep .	20862, 20864
21829,	21830,	10316, 10326,		\InTheoType	
21831,	21832,	10336, 10575,		... 8566, 15551,	
21833,	21834,	10593, 10605,		15553, 15572, 15574	
21835,	21836,	11480, 11497,		\invoicename 18405	
21837,	21838,	11513, 12030,		\ior .. 14457, 14458, 14462	
21839,	21840,	12032, 15341, 15343		\isempty .. 4817, 5415,	
21841,	21842,	\insert@column		5622, 5627, 5651,	
21843,	21844,	... 1410, 1411,		5656, 5680, 5685,	
21845,	21846,	1412, 1413, 1415,		6073, 6082, 6090, 6117	
21847,	21848,	1416, 1476, 1478,		\isodd 17085, 17130	
21849,	21850,	1479, 1481, 1482,		\isSC@ODD 19022,	
21851,	21852,	1483, 7341, 7343,		19023, 19025,	
21853,	21854,	7344, 7346, 7347, 7348		19026, 21882,	
21855,	21856,	\insertpenalties ..		21884, 21886, 21888	
21857,	21858,	... 11444, 12060		\isundefined	
21859,	21860,	\int 14407, 14454,		... 5027, 5076,	
21861,	21862,	14455, 14459,		8060, 8066, 8083,	
21863,	21864,	14537, 14625,		8086, 8087, 8088,	
21865,	21866,	14628, 14629,		8089, 8090, 8181,	
21867,	21868,	14640, 14678,		8184, 8185, 8186,	
21869,	21870,	14716, 14741, 15627		8187, 8188, 8191, 8195	
21871,	21872,	\interfootnotelinepenalty		\item 102,	
21874,	21875,	.. 39, 53, 69, 242,		222, 603, 618, 867,	
21876,	21877,	256, 271, 9346,		950, 1119, 5959,	
21878,	21879,	11484, 11501, 11517		5967, 5972, 5993,	



6636, 6813, 7024,
11118, 11133,
13267, 16164,
16419, 16879, 19452
\itemindent 5954,
5955, 5963, 21124
\itemsep 4690,
5900, 5939, 5953
\itemx 15416
\itemxox 15451
\itemxoxx 15461
\itemxxx 15419
\itemxxo 15456
\itemxxox 15468
\itemxxx 15424
\itemxxxo 15475
\itemxxxx 15431
\itemxxxxx 15440
\itshape . . 2054, 2527,
5763, 5765, 5769,
5776, 5783, 5818,
5825, 5832, 5839,
5846, 6150, 6151, 6152

J

\j 4107, 4108, 4112
\jua@ht 14946,
14953, 15046,
15053, 15122, 15129
\jua@pr 14929,
14959, 15029, 15059
\jua@sar 14928,
14958, 15000,
15028, 15058, 15097
\jua@sk . 14927, 14957,
15000, 15027,
15057, 15097, 15130
\justifying 4724,
4794, 5364, 16091
\JustifyingParfillskip
. 16097
\JustifyingParindent
. 4696,
5367, 5926, 16098

K

\keepthetitle 14750
\kern . . . 27, 29, 30, 31,
231, 233, 234, 235,
336, 539, 541, 543,
545, 723, 724, 726,
729, 730, 732, 744,
959, 961, 964, 966,
996, 1203, 1204,

1206, 1209, 1210,
1212, 1246, 1474,
1479, 2077, 2078,
2079, 2080, 2081,
2082, 2083, 2084,
2088, 2089, 2136,
2138, 2139, 5166,
5167, 5177, 5178,
5180, 5645, 5646,
5674, 5675, 5703,
5704, 6724, 6725,
6727, 6730, 6731,
6733, 6754, 6877,
6878, 6880, 6883,
6884, 6886, 6931,
7154, 7156, 7158,
7160, 7339, 7344,
7366, 8205, 8206,
8636, 8643, 8651,
8658, 8697, 8701,
8783, 8785, 8787,
8789, 9082, 9084,
9086, 9088, 9131,
9132, 9258, 9259,
10865, 10867,
10869, 10871,
11009, 11010,
11011, 11253,
11396, 11398,
11399, 11400,
11401, 11402,
11434, 11719,
11783, 12161,
12207, 13277,
13279, 13280,
13281, 13351,
13353, 13355,
13357, 14088,
15209, 15265,
15266, 15313,
15315, 15316,
15317, 15969,
15980, 15983,
16010, 16026,
16246, 16247,
16249, 16252,
16253, 16255,
16296, 16435,
16669, 16670,
16672, 16675,
16676, 16678,
16826, 16828,
16830, 16832,
17008, 17010,

17012, 17014,
17243, 17247,
17250, 17253,
17254, 17499,
17502, 17504,
17507, 17792,
17796, 17799,
17802, 17803,
18079, 18082,
18084, 18087,
18360, 18362,
18364, 18366,
18491, 18495,
18498, 18501,
18502, 18762,
18765, 18767,
18770, 19058,
19064, 19321,
20837, 20841,
20847, 20850,
20872, 21031,
21041, 21071,
21074, 21076, 21640

\keys . . . 14170, 14366,
14460, 14699, 14700
\keywords 324
\kill 13952
\KOMAClassName 17325,
17642, 17874,
18222, 18573, 18905
\KV@do 13407, 13412
\KV@prefix . 13405, 13410

L

\l 8592, 8608,
8611, 8617, 8620,
8622, 8623, 8626,
8627, 8630, 8633,
8634, 8635, 8640,
8641, 8642, 8648,
8649, 8650, 8655,
8656, 8657, 8666,
8669, 8677, 14178,
14180, 14186,
14188, 14194,
14195, 14196,
14197, 14198,
14199, 14200,
14201, 14202,
14203, 14204,
14206, 14207,
14209, 14210,
14211, 14218,
14219, 14220,



14222,	14224,	14671,	14683,	\L@parshape
14227,	14228,	14684,	14703,	.. 13469, 13471,
14235,	14245,	14704,	14705,	13476, 13478,
14246,	14247,	14706,	14707,	13484, 13486, 13489
14248,	14249,	14708,	14709,	\l@part . 507, 659, 677,
14250,	14251,	14710,	14711,	903, 921, 1142,
14252,	14253,	14746,	14747,	1160, 6659, 6675,
14254,	14255,	15629, 15631, 15640		6836, 6852, 7123,
14256,	14257,	\l@ 19723		8724, 8979, 10814,
14258,	14259,	\L@ante 13366, 13456, 13490		16205, 16221,
14263,	14264,	\l@chapter 6683, 6697,		16577, 16593,
14265,	14267,	6860, 6874, 7138,		16793, 16977,
14269,	14272,	10829, 16229,		19369, 19370,
14273,	14275,	16243, 16601,		19458, 20578, 20581
14276,	14277,	16615, 16807,		\L@Pindent ... 13454,
14286,	14296,	16992, 19372,		13455, 13457,
14297,	14298,	19373, 19505, 20586		13458, 13460,
14299,	14300,	\l@color ... 13395, 13396		13461, 13464, 13471
14301,	14302,	\l@figure 5887,		\L@raise ... 13365, 13431
14303,	14304,	5888, 19614, 20614		\L@realhfalse 13373
14310,	14312,	\L@Findent		\L@realhtrue 13373
14313,	14314,	. 13367, 13458, 13491		\l@refstring 13360
14317,	14319,	\L@first 13430, 13432,		\l@section 524,
14321,	14326,	13434, 13436,		685, 698, 887,
14327,	14328,	13440, 13446,		900, 1169, 1182,
14330,	14332,	13448, 13450,		8710, 19524, 20590
14337,	14339,	13452, 13456,		\L@selfreffalse .. 13374
14341,	14349,	13457, 13459,		\L@selfreftrue ... 13374
14360,	14361,	13460, 13469, 13471		\L@slope
14376,	14377,	\L@gridfalse 13372		. 13369, 13480, 13481
14378,	14379,	\L@gridtrue 13372		\l@subfigure 19651
14397,	14417,	\L@hang 13363, 13455		\l@subparagraph ...
14425,	14430,	\L@imagefalse 13371		. . . . . 19597, 20606
14444,	14449,	\L@imagetrue 13371		\l@subsection 19546, 20594
14453,	14454,	\l@initial 13360		\l@subsubsection ..
14455,	14457,	\L@lbox . 13409, 13416,		. . . . . 19563, 20598
14458,	14459,	13417, 13418,		\l@subtable 19671
14462,	14466,	13454, 13455, 13490		\l@table 5888, 19632, 20610
14468,	14469,	\l@LOKeys 13400,		\L@target@dp 13437
14470,	14471,	13402, 13407, 13412		\L@target@tht
14472,	14473,	\L@lraise 13431,		. 13423, 13431, 13436
14474,	14476,	13432, 13437, 13490		\L@tbox . 13376, 13384,
14477,	14478,	\L@next . 13462, 13463,		13429, 13434, 13492
14479,	14481,	13476, 13478, 13481		\l@textcolor 13397, 13398
14482,	14483,	\l@ngrel@x 3169, 3170, 3172		\label 2551,
14485,	14486,	\L@Nindent 13368,		4846, 4848, 4850,
14487,	14490,	13461, 13463,		4854, 4906, 11220,
14491,	14492,	13465, 13478, 13480		11652, 11658,
14495,	14528,	\L@novskip		12371, 12389, 21710
14530,	14533,	. 13370, 13440, 13444		\labelitemi . 743, 995,
14558,	14560,	\L@oversize		1058, 1245, 6753,
14592,	14596,	. 13364, 13421, 13426		6930, 16295, 16434
14608,	14609,	\l@paragraph 19580, 20602		\labelname ... 15417,
14655,	14665,			15420, 15422,



15425,	15427,	15443,	15445,	1151, 1260, 1270,
15429,	15432,	15447,	15449,	1346, 1352, 1356,
15434,	15436,	15452,	15454,	1361, 5776, 5839,
15438,	15441,	15457,	15459,	5905, 6668, 6768,
15443,	15445,	15462,	15464,	6778, 6845, 6945,
15447,	15449,	15466,	15469,	6955, 7041, 7047,
15452,	15454,	15471,	15473,	7112, 7118, 7132,
15457,	15459,	15476,	15478,	8055, 8057, 8148,
15462,	15464,	15480,	16262,	8150, 8733, 8802,
15466,	15469,	16263,	16656,	8808, 8867, 8873,
15471,	15473,	16657,	16850,	8897, 8903, 8968,
15476, 15478, 15480		16851,	17053,	8974, 8987, 10823,
\labelsep 85, 90,		17054,	17455,	10902, 10908,
288, 293, 577, 712,		17456,	18035,	10967, 10973,
975, 1225, 2566,		18036,	18718,	16214, 16310,
2568, 5916, 5918,		18719, 19385, 19386		16320, 16395,
5975, 6713, 6901,		\landscape . 14066, 15647		16401, 16449,
7210, 8772, 9043,		\langle 2055		16459, 16541,
10880,	13249,	\Larg 2054,		16547, 16551,
13254,	15417,	2055, 2056, 2057, 2058		16556, 16586,
15420,	15422,	\Larga 2055		16708, 16714,
15425,	15427,	\Largb 2056		16801, 16895,
15429,	15432,	\LARGE 423, 494,		16901, 16966,
15434,	15436,	751, 841, 1003,		16972, 16986,
15438,	15441,	1093, 1253, 1344,		20016, 20366, 20404
15443,	15445,	1355, 5818, 5825,		\Largr 2058
15447,	15449,	5907, 6150, 6761,		\Largs 2057
15452,	15454,	6938, 7039, 7110,		\lastbox 7700,
15457,	15459,	8145, 8800, 8865,		10409, 10431,
15462,	15464,	8895, 8966, 10900,		10440, 10444,
15466,	15469,	10965, 16303,		14130, 15897,
15471,	15473,	16393, 16442,		20977, 21029, 21039
15476,	15478,	16539, 16550,		\LastFrameCommand .
15480,	16264,	16706, 16893, 16964		. . . . . 11737, 11847
16658,	16852,	\Large 561, 5769, 5832,		\lastkern . . . 5551, 11822
17055,	17457,	5906, 6151, 6152,		\lastpenalty . 7258, 20426
18037, 18720, 19387		8056, 8149, 8748,		\lastrule 7305
\labelwidth 89,		16782, 17291,		\lastskip 4984,
90, 292, 293, 575,		17297, 17299,		6586, 6587, 7257
576, 710, 711,		17315, 17404,		\LastTOCLevelWasHigher
973, 974, 1223,		17411, 17413,		. . . . . 20336
1224, 2565, 2567,		17416, 17840,		\LastTOCLevelWasLower
5917, 5918, 6711,		17846, 17848,		. . . . . 20332
6712, 6899, 6900,		17864, 17953,		\LastTOCLevelWasSame
7208, 7209, 8770,		17960, 17962,		. . . . . 20334
8771, 9041, 9042,		17965, 18539,		\LaTeX 13147,
10878,	10879,	18545, 18547,		21063, 21064, 21076
11875,	13253,	18563, 18652,		\LaTeXe 21065, 21066
13254,	15417,	18659, 18661, 18664		\LBEG 2059
15420,	15422,	\large 425,		\lcb . 2056, 2059, 2060, 2063
15425,	15427,	431, 496, 502, 516,		\lccode 3734,
15429,	15432,	668, 758, 768, 843,		3736, 20828, 20829
15434,	15436,	849, 912, 1010,		\Lcs 2070
15438,	15441,	1020, 1095, 1101,		\LcsStar 2071



<code>\leaders</code>	17253,	21164, 21270, 21320	21159, 21196,
	17802, 18501,		21198, 21199,
	19071, 19363,	<code>\left</code> . 21084, 21091, 21097	21200, 21205,
	20517, 20626, 21324	<code>\left@footnoterule</code>	21207, 21208,
		. . . . . 30, 234,	21209, 21214,
<code>\leavevmode</code> . .	14, 209,	415, 538, 722, 739,	21216, 21217,
	305, 378, 515, 532,	958, 991, 1202,	21218, 21223,
	653, 667, 692, 744,	1241, 6723, 6749,	21225, 21226, 21227
	881, 894, 911, 996,	6876, 6926, 7031,	<code>\leftmargini</code> . . . 4687,
	1059, 1136, 1150,	7153, 8782, 8794,	5897, 5910, 5917
	1176, 1246, 2188,	8887, 9081, 10864,	<code>\leftmarginii</code> 5911
	2496, 2955, 3009,	10894, 11399,	<code>\leftmarginiii</code> 5912
	3066, 5539, 5880,	11405, 11418,	<code>\leftmarginiv</code> 5913
	6348, 6424, 6653,	11420, 11556,	<code>\leftmarginv</code> 5914
	6667, 6690, 6754,	11570, 13280,	<code>\leftmarginvi</code> 5915
	6830, 6844, 6867,	13350, 14067,	<code>\leftmarginwidth</code> . 16822
	6931, 7131, 7146,	14069, 16245,	<code>\leftmark</code> 6247
	7226, 7227, 7365,	16291, 16428,	<code>\leftskip</code> 12,
	7417, 8718, 8732,	16668, 16688,	13, 207, 208, 305,
	8986, 9484, 9590,	16825, 16885,	309, 513, 530, 533,
	9696, 9805, 9914,	17007, 17241,	534, 624, 637, 648,
	10023, 10132,	17263, 17498,	649, 654, 665, 690,
	10241, 10350,	17790, 17812,	693, 694, 875, 876,
	10822, 10837,	18078, 18360,	882, 892, 895, 896,
	11118, 11133,	18489, 18511, 18761	909, 931, 1125,
	11584, 12149,	<code>\leftfootnoterule</code> .	1131, 1132, 1137,
	12195, 12215,	1698, 8202, 9128,	1148, 1174, 1177,
	13005, 13042,	11403, 11406,	1178, 1196, 5874,
	13074, 13283,	11644, 12120, 21774	5882, 5883, 6454,
	13302, 14125,	<code>\leftline</code> 15992,	6642, 6648, 6649,
	15151, 15163,	21242, 21248, 21250	6654, 6665, 6688,
	15175, 15896,	<code>\leftlinenumber</code> . .	6691, 6692, 6819,
	15977, 15982,	. . . . . 13524, 13527	6825, 6826, 6831,
	16028, 16049,	<code>\leftmargin</code> 90,	6842, 6865, 6868,
	16199, 16213,	293, 576, 577, 711,	6869, 7129, 7144,
	16236, 16296,	712, 947, 974,	7147, 7148, 7280,
	16435, 16571,	975, 1224, 1225,	7281, 7282, 7408,
	16585, 16608,	2567, 2568, 4687,	7409, 7415, 8716,
	16800, 16815,	5897, 5956, 5957,	8719, 8720, 8730,
	16985, 17000,	5964, 5970, 6712,	8984, 9400, 10725,
	17253, 17802,	6713, 6900, 6901,	10734, 10820,
	18501, 19038,	7209, 7210, 8771,	10835, 10838,
	19089, 19313,	8772, 9042, 9043,	10839, 13300,
	19336, 19483,	10879, 10880,	13301, 14112,
	19514, 19537,	13254, 16046,	14784, 14785,
	19554, 19571,	16263, 16264,	15148, 15152,
	19588, 19605,	16657, 16658,	15153, 15160,
	19622, 19640,	16851, 16852,	15165, 15172,
	19659, 19679,	17054, 17055,	15177, 16057,
	19714, 19907,	17456, 17457,	16059, 16070,
	20015, 20060,	18036, 18037,	16072, 16083,
	20508, 20622,	18719, 18720,	16085, 16094,
	20871, 21068,	19386, 19387,	16096, 16170,
	21073, 21075,	21134, 21137,	16183, 16194,
	21083, 21090,	21147, 21151,	



16195,	16200,	\let 86,	2005, 2143, 2144,
16211,	16234,	102, 115, 152, 153,	2145, 2172, 2189,
16237,	16238,	156, 157, 160, 161,	2190, 2191, 2192,
16566,	16567,	164, 222, 289, 319,	2193, 2194, 2195,
16572,	16583,	327, 328, 347, 379,	2196, 2197, 2199,
16606,	16609,	380, 383, 400, 404,	2200, 2201, 2311,
16610,	16620,	408, 413, 414, 415,	2312, 2313, 2314,
16633,	16682,	416, 417, 418, 419,	2315, 2316, 2317,
16798,	16813,	437, 438, 439, 440,	2318, 2319, 2571,
16816,	16817,	441, 442, 443, 444,	2580, 2653, 2671,
16822,	16823,	445, 446, 447, 448,	2695, 2714, 2719,
16983,	16998,	472, 473, 474, 475,	2744, 2745, 2752,
17001,	17002,	476, 477, 478, 479,	2753, 2756, 2757,
19305,	19317,	480, 481, 482, 483,	2791, 2924, 2927,
19334,	19355,	484, 491, 492, 493,	2935, 3170, 3192,
19357,	19362,	580, 603, 618, 715,	3214, 3215, 3345,
19366,	19367,	737, 738, 739, 740,	3425, 3427, 3428,
19478,	19479,	741, 779, 780, 781,	3429, 3430, 3431,
19480,	19488,	782, 783, 784, 785,	3486, 3524, 3531,
19509,	19510,	786, 787, 788, 823,	3539, 3550, 3556,
19511,	19519,	824, 825, 826, 827,	3564, 3567, 3570,
19532,	19533,	828, 829, 830, 831,	3580, 3584, 3586,
19534,	19542,	832, 833, 840, 867,	3651, 3652, 3657,
19549,	19550,	978, 989, 990, 991,	3764, 3767, 3798,
19551,	19559,	992, 993, 1031,	3884, 3891, 3894,
19566,	19567,	1032, 1033, 1034,	3904, 3914, 3925,
19568,	19576,	1035, 1036, 1037,	3992, 4002, 4004,
19583,	19584,	1038, 1039, 1040,	4038, 4049, 4140,
19585,	19593,	1075, 1076, 1077,	4156, 4176, 4191,
19600,	19601,	1078, 1079, 1080,	4207, 4300, 4321,
19602,	19610,	1081, 1082, 1083,	4322, 4338, 4381,
19617,	19618,	1084, 1085, 1092,	4384, 4386, 4391,
19619,	19627,	1119, 1228, 1239,	4405, 4413, 4414,
19635,	19636,	1240, 1241, 1242,	4434, 4435, 4462,
19637,	19645,	1243, 1281, 1282,	4473, 4478, 4482,
19654,	19655,	1283, 1284, 1285,	4484, 4487, 4497,
19656,	19664,	1286, 1287, 1288,	4508, 4535, 4546,
19674,	19675,	1289, 1290, 1325,	4555, 4604, 4609,
19676,	19684,	1326, 1327, 1328,	4625, 4626, 4627,
19709,	19710,	1329, 1330, 1331,	4628, 4630, 4631,
19711,	19719,	1332, 1333, 1334,	4632, 4633, 4679,
19759,	19760,	1335, 1343, 1369,	4809, 4810, 4847,
19761,	20439,	1370, 1374, 1390,	4848, 4854, 4856,
20501,	20502,	1391, 1392, 1428,	4860, 4905, 4906,
20503,	20509,	1429, 1430, 1455,	4988, 4990, 4992,
20512,	20559,	1456, 1457, 1458,	5138, 5139, 5152,
20619,	20624,	1463, 1498, 1499,	5156, 5158, 5159,
20647,	20654,	1601, 1603, 1605,	5165, 5169, 5173,
21023,	21024,	1735, 1736, 1743,	5182, 5426, 5427,
21231,	21257,	1830, 1886, 1888,	5445, 5446, 5464,
21258, 21317, 21322		1890, 1922, 1995,	5465, 5492, 5493,
\LEND 2060		1996, 1997, 1998,	5521, 5522, 5523,
\leqno 328, 15988,		1999, 2000, 2001,	5620, 5641, 5642,
15990, 21765, 21767		2002, 2003, 2004,	5643, 5649, 5670,



5671, 5672, 5678,
 5699, 5700, 5701,
 5717, 5721, 5722,
 5723, 5726, 5730,
 5731, 5732, 5735,
 5739, 5740, 5741,
 5888, 5952, 5993,
 6080, 6147, 6148,
 6149, 6339, 6340,
 6342, 6343, 6361,
 6382, 6383, 6384,
 6385, 6386, 6387,
 6388, 6389, 6390,
 6393, 6394, 6395,
 6396, 6397, 6398,
 6399, 6400, 6401,
 6462, 6480, 6531,
 6537, 6558, 6571,
 6581, 6595, 6599,
 6600, 6601, 6602,
 6603, 6604, 6605,
 6606, 6607, 6613,
 6614, 6615, 6616,
 6617, 6618, 6619,
 6620, 6621, 6636,
 6716, 6747, 6748,
 6749, 6750, 6751,
 6789, 6790, 6791,
 6792, 6793, 6794,
 6795, 6796, 6797,
 6798, 6813, 6904,
 6924, 6925, 6926,
 6927, 6928, 6966,
 6967, 6968, 6969,
 6970, 6971, 6972,
 6973, 6974, 6975,
 7024, 7029, 7030,
 7031, 7032, 7033,
 7034, 7035, 7053,
 7054, 7055, 7056,
 7057, 7058, 7059,
 7060, 7061, 7062,
 7063, 7064, 7088,
 7089, 7090, 7091,
 7092, 7093, 7094,
 7095, 7096, 7097,
 7098, 7099, 7100,
 7107, 7108, 7109,
 7213, 7237, 7239,
 7242, 7243, 7244,
 7250, 7255, 7275,
 7287, 7288, 7289,
 7291, 7292, 7298,
 7299, 7300, 7301,

7321, 7330, 7371,
 7377, 7398, 7570,
 7573, 7574, 7633,
 7636, 7637, 8200,
 8201, 8202, 8203,
 8204, 8207, 8208,
 8210, 8228, 8229,
 8231, 8249, 8250,
 8254, 8289, 8291,
 8303, 8306, 8307,
 8311, 8341, 8343,
 8355, 8358, 8359,
 8406, 8430, 8438,
 8446, 8775, 8792,
 8793, 8794, 8795,
 8796, 8814, 8815,
 8816, 8817, 8818,
 8819, 8820, 8821,
 8822, 8823, 8847,
 8848, 8849, 8850,
 8851, 8852, 8853,
 8854, 8855, 8856,
 8857, 8864, 8885,
 8886, 8887, 8888,
 8889, 8890, 8891,
 8909, 8910, 8911,
 8912, 8913, 8914,
 8915, 8916, 8917,
 8918, 8919, 8920,
 8944, 8945, 8946,
 8947, 8948, 8949,
 8950, 8951, 8952,
 8953, 8954, 8955,
 8956, 8963, 8964,
 8965, 9046, 9096,
 9097, 9098, 9099,
 9100, 9101, 9110,
 9111, 9112, 9113,
 9114, 9115, 9116,
 9117, 9118, 9119,
 9120, 9121, 9126,
 9127, 9128, 9129,
 9130, 9230, 9231,
 9232, 9233, 9234,
 9235, 9238, 9239,
 9240, 9241, 9242,
 9243, 9247, 9435,
 9436, 9437, 9441,
 9442, 9443, 9444,
 9447, 9544, 9545,
 9546, 9550, 9551,
 9552, 9553, 9556,
 9647, 9648, 9649,
 9653, 9654, 9655,

9656, 9659, 9756,
 9757, 9758, 9762,
 9763, 9764, 9765,
 9768, 9865, 9866,
 9867, 9871, 9872,
 9873, 9874, 9877,
 9974, 9975, 9976,
 9980, 9981, 9982,
 9983, 9986, 10083,
 10084, 10085,
 10089, 10090,
 10091, 10092,
 10095, 10192,
 10193, 10194,
 10198, 10199,
 10200, 10201,
 10204, 10301,
 10302, 10303,
 10307, 10308,
 10309, 10310,
 10313, 10460,
 10461, 10462,
 10467, 10468,
 10474, 10475,
 10476, 10477,
 10478, 10479,
 10483, 10484,
 10515, 10517,
 10519, 10520,
 10525, 10526,
 10532, 10533,
 10534, 10536,
 10538, 10540,
 10541, 10545,
 10546, 10573,
 10582, 10594,
 10606, 10637,
 10656, 10670,
 10740, 10810,
 10883, 10892,
 10893, 10894,
 10895, 10896,
 10914, 10915,
 10916, 10917,
 10918, 10919,
 10920, 10921,
 10922, 10923,
 10947, 10948,
 10949, 10950,
 10951, 10952,
 10953, 10954,
 10955, 10956,
 10957, 10964,
 11020, 11047,



11050,	11051,	13144,	13145,	16104,	16105,
11083,	11086,	13160,	13171,	16106,	16107,
11087,	11169,	13250,	13267,	16108,	16121,
11170,	11172,	13316,	13360,	16127,	16139,
11173,	11176,	13396,	13406,	16147,	16148,
11177,	11206,	13411,	13619,	16164,	16267,
11208,	11210,	13631,	13942,	16289,	16290,
11220,	11221,	13943,	13944,	16291,	16292,
11222,	11228,	13946,	13948,	16293,	16331,
11232,	11235,	13952,	13954,	16332,	16333,
11238,	11240,	13956,	13957,	16334,	16335,
11243,	11244,	13959,	13960,	16336,	16337,
11378,	11406,	13961,	13965,	16338,	16339,
11432,	11433,	13971,	13983,	16340,	16375,
11542,	11556,	14008,	14016,	16376,	16377,
11570,	11596,	14017,	14018,	16378,	16379,
11597,	11598,	14067,	14068,	16380,	16381,
11599,	11633,	14104,	14105,	16382,	16383,
11715,	11721,	14106,	14107,	16384,	16385,
11726,	11861,	14108,	14116,	16392,	16419,
11862,	11863,	14163,	14164,	16426,	16427,
11864,	11916,	14165,	14752,	16428,	16429,
11919,	11920,	14753,	14754,	16430,	16431,
11965,	11968,	14755,	14756,	16432,	16470,
11969,	12105,	14757,	14758,	16471,	16472,
12120,	12121,	14759,	14760,	16473,	16474,
12122,	12123,	14816,	14819,	16475,	16476,
12124,	12218,	14820,	14822,	16477,	16478,
12252,	12254,	14823,	14920,	16479,	16480,
12282,	12284,	14923,	14924,	16481,	16516,
12289,	12291,	15020,	15023,	16517,	16518,
12295,	12297,	15024,	15256,	16519,	16520,
12628,	12629,	15259,	15286,	16521,	16522,
12630,	12671,	15287,	15291,	16523,	16524,
12672,	12673,	15292,	15296,	16525,	16526,
12715,	12716,	15297,	15498,	16527,	16528,
12717,	12730,	15499,	15500,	16536,	16537,
12731,	12732,	15608,	15609,	16538,	16661,
12745,	12746,	15610,	15611,	16686,	16687,
12747,	12753,	15612,	15614,	16688,	16689,
12755,	12756,	15658,	15663,	16690,	16691,
12757,	12758,	15677,	15709,	16692,	16720,
12759,	12760,	15898,	15902,	16721,	16722,
12761,	12770,	15947,	15948,	16723,	16724,
12806,	12844,	15949,	15950,	16725,	16726,
12877,	12908,	15953,	15954,	16727,	16728,
12939,	12945,	15956,	15961,	16729,	16730,
12947,	12948,	15984,	15985,	16731,	16760,
12949,	12950,	15986,	15987,	16761,	16762,
12951,	12952,	15988,	16050,	16763,	16764,
12953,	12954,	16054,	16056,	16765,	16766,
12966,	12969,	16067,	16069,	16767,	16768,
12972,	12975,	16080,	16082,	16769,	16770,
13142,	13143,	16092,	16093,	16771,	16772,



16778,	16779,	17750,	17751,	18782,	18783,
16780,	16855,	17810,	17811,	18784,	18785,
16879,	16883,	17812,	17813,	18786,	18792,
16884,	16885,	17814,	17815,	18793,	18794,
16886,	16887,	17816,	17818,	18795,	18796,
16888,	16889,	17882,	17899,	18797,	18891,
16907,	16908,	17900,	17901,	18893,	18899,
16909,	16910,	17902,	17903,	18901,	19029,
16911,	16912,	17904,	17905,	19030,	19031,
16913,	16914,	17906,	17907,	19034,	19090,
16915,	16916,	17908,	17909,	19091,	19092,
16917,	16918,	17910,	17911,	19095,	19106,
16942,	16943,	17912,	17913,	19107,	19108,
16944,	16945,	17914,	17915,	19115,	19116,
16946,	16947,	17916,	17917,	19121,	19130,
16948,	16949,	17918,	17919,	19131,	19132,
16950,	16951,	17920,	17921,	19134,	19137,
16952,	16953,	17922,	17923,	19141,	19144,
16954,	16961,	17924,	17925,	19146,	19149,
16962,	16963,	17926,	17930,	19158,	19161,
17058,	17083,	17931,	17932,	19174,	19175,
17110,	17111,	18048,	18073,	19176,	19191,
17128,	17200,	18074,	18098,	19192,	19193,
17201,	17202,	18099,	18100,	19194,	19195,
17261,	17262,	18101,	18102,	19196,	19198,
17263,	17264,	18103,	18109,	19199,	19202,
17265,	17266,	18110,	18111,	19203,	19277,
17267,	17269,	18112,	18113,	19278,	19281,
17333,	17350,	18114,	18208,	19283,	19284,
17351,	17352,	18210,	18216,	19285,	19300,
17353,	17354,	18218,	18448,	19329,	19358,
17355,	17356,	18449,	18450,	19363,	19369,
17357,	17358,	18509,	18510,	19372,	19390,
17359,	17360,	18511,	18512,	19452,	19456,
17361,	17362,	18513,	18514,	19485,	19486,
17363,	17364,	18515,	18517,	19487,	19516,
17365,	17366,	18581,	18598,	19517,	19518,
17367,	17368,	18599,	18600,	19539,	19540,
17369,	17370,	18601,	18602,	19541,	19556,
17371,	17372,	18603,	18604,	19557,	19558,
17373,	17374,	18605,	18606,	19573,	19574,
17375,	17376,	18607,	18608,	19575,	19590,
17377,	17381,	18609,	18610,	19591,	19592,
17382,	17383,	18611,	18612,	19607,	19608,
17468,	17493,	18613,	18614,	19609,	19624,
17494,	17518,	18615,	18616,	19625,	19626,
17519,	17520,	18617,	18618,	19642,	19643,
17521,	17522,	18619,	18620,	19644,	19661,
17523,	17529,	18621,	18622,	19662,	19663,
17530,	17531,	18623,	18624,	19681,	19682,
17532,	17533,	18625,	18629,	19683,	19716,
17534,	17628,	18630,	18631,	19717,	19718,
17630,	17636,	18731,	18756,	19781,	19936,
17638,	17749,	18757,	18781,	20073,	20154,



20157,	20187,	. 13417, 13425, 13430	..... 11225, 21713
20420,	20636,	\LettrineSecondString	\linespacing .. 24, 13288
20644,	20649,	..... 13376	\linespread 3156
20656,	20673,	\LettrineTextFont .	\linewidth 2524,
20676,	20736,	. 13376, 13384, 13429	4882, 11119,
20794,	20798,	\LettrineWidth	11134, 11138,
20876,	20881,	..... 13409, 13416	11873, 11881,
20891,	20895,	\lftside 15828,	11882, 11884,
20924,	20934,	15830, 15833,	11885, 12318,
20938,	20978,	15835, 15849, 15851	13459, 13462,
20982,	21047,	\Line 8433,	13484, 13486,
21048,	21049,	8436, 8441, 8444,	14110, 14824,
21050,	21053,	8449, 8450, 8453,	14830, 15565,
21054,	21056,	8454, 8458, 8459,	15567, 15585,
21061,	21063,	8462, 8463, 8467,	15587, 15786,
21065,	21077,	8468, 8471, 8472,	15792, 15878,
21078,	21079,	8476, 8477, 8480, 8481	15887, 15888,
21080,	21084,	\line 7427, 7428,	15941, 15943,
21085,	21091,	7430, 7431, 7437,	16111, 17614,
21092,	21093,	7438, 7440, 7441,	18194, 18877,
21105,	21127,	7450, 7451, 7453,	21025, 21035,
21189,	21230,	7454, 7460, 7461,	21133, 21134,
21233,	21234,	7463, 7464, 7473,	21161, 21196,
21248,	21249,	7474, 7476, 7477,	21198, 21199,
21267,	21271,	7483, 7484, 7486,	21200, 21205,
21272,	21273,	7487, 7496, 7497,	21207, 21208,
21276,	21288,	7499, 7500, 7506,	21209, 21214,
21289,	21290,	7507, 7509, 7510,	21216, 21217,
21291,	21297,	15991, 15992, 15993	21218, 21223,
21298,	21299,	\LineNumber ... 13502,	21225, 21226,
21337,	21389,	13504, 13506,	21227, 21659, 21662
21392,	21393,	13511, 13514, 13516	\link 2530
21436,	21439,	\linenumberwidth ..	\list 89,
21440,	21670,	. 13504, 13511, 13516	292, 574, 709, 945,
21672,	21675,	\lineskip 401,	972, 1222, 5935,
21687,	21689,	426, 497, 759,	5953, 5962, 5970,
21691,	21693,	844, 1011, 1096,	6710, 6898, 7207,
21695,	21697,	1261, 1347, 1356,	8769, 9040, 10877,
21700,	21701,	2400, 6769, 6946,	13253, 15490,
21703,	21704,	7042, 7113, 8803,	16261, 16655,
21710,	21711,	8868, 8898, 8969,	16849, 17052,
21712,	21717,	10903, 10968,	17452, 18032,
21729,	21732,	11224, 13984,	18715, 19384, 21116
21734,	21741,	14113, 16118,	\listdoubleitemmaincolumnwidth
21745,	21747,	16311, 16396,	.... 2470, 2483,
21750,	21751,	16450, 16542,	2484, 2485, 2512, 2516
21764,	21765,	16551, 16709,	\listfigurename 5857, 5858
21773,	21774,	16785, 16896,	\listitemmaincolumnwidth
21775, 21926, 21928		16967, 17291,	..... 2469,
\LetLtxMacro 11646, 11647		17405, 17840,	2477, 2478, 2510
\Letter 2416		17954, 18539,	\listitemsymbol ...
\lettergroup 6004		18653, 19110,	.... 2411, 2468,
\LettrineDepth ... 13418		19149, 21293, 21713	2509, 2511, 8011, 8109
\LettrineHeight ...		\lineskiplimit	\listitemsymbolwidth



..... 2467,	12722,	12737,	..... 13493
2468, 2478, 2484	12780,	12797,	\LRfootnoterule ...
\listoffigures 5855	12818,	12835,	.. 8204, 9130, 11406
\listoftables 5863	12851,	12868,	\LS@rot 14059
\listparindent	12882,	12899,	\lsb 2057, 2065
. 945, 5955, 5962,	12913,	12930,	\lst@caption . 13592,
5963, 21123, 21132	13155,	13571,	13598, 13605, 13610
\listtablename 5865, 5866	14766,	14816,	\lst@alloverstyle .
\llap . 5942, 8565, 9266,	14866,	14888,	..... 2046, 2052
9278, 9290, 11026,	15300,	15304,	\lst@HRefStepCounter
11032, 11676,	15308,	15767,	..... 13592, 13598
11688, 11700,	15976,	16294,	\lst@ifnumberbychapter
12127, 12263,	16359,	16433,	..... 13631, 13632
12265, 12267,	16500,	16696,	\lst@Key ... 13535, 13542
12269, 12272,	16739,	16925,	\lst@MakeCaption ..
12274, 12277,	17216,	17765,	..... 13590, 13603
12279, 13490,	18339,	18439,	\lst@makecaption ..
19056, 19318, 19336	18464,	19028,	..... 13587, 13620
\LoadClass ... 6189, 6213	19214,	19218,	\lst@maketitle 13588,
\long 34, 48,	19221,	19225,	13621, 13625, 13627
64, 237, 251, 266,	20870,	21067,	\lst@title@dropdelim
455, 742, 807, 994,	21163,	21540,	..... 13588
1057, 1244, 1309,	21544,	21548,	\lstKV@SwitchCases
1988, 2206, 2209,	21584,	21588,	..... 13536, 13543
2212, 2217, 2220,	21592, 21651, 21754		\lstset 2016
2223, 2689, 2690,	\longindentation .. 9074		\LT@chl 13944, 13946
2699, 2702, 2713,	\longthickrule		\LT@ctabarray 13943, 13947
2892, 2896, 2929,	..... 16777, 16783		\LT@array 13151,
3172, 3176, 3286,	\loop 1785,		13933, 17628,
3305, 3380, 3396,	1786, 1787, 3947,		17629, 18208,
3408, 3417, 3449,	3957, 7520, 7730,		18209, 18891, 18892
3477, 3489, 3490,	10429, 10438,		\LT@bchunk 13974, 13981, 13985
3864, 3866, 3871,	13446, 15784,		\LT@caption ... 13952,
3872, 3889, 3890,	15820, 15847,		17630, 17636,
3897, 3906, 3909,	15858, 15885, 19169		17638, 18210,
3916, 3934, 4552,	\looprepeat 3964, 3968,		18216, 18218,
4816, 4965, 5225,	4012, 4083, 4090,		18893, 18899, 18901
5229, 5233, 5269,	4095, 4101, 4104,		\LT@cols 13987,
5273, 5277, 5313,	4106, 4110, 4111, 4116		17613, 18193, 18876
5317, 5321, 5532,	\lower 1639, 1916, 15982,		\LT@end@open 14032
5619, 5648, 5677,	16016, 16024,		\LT@endpbox 13954
6488, 6491, 6494,	20864, 21073, 21075		\LT@err 14033
6498, 6501, 6504,	\lowercase 2759,		\LT@foot 13166,
6752, 6929, 7071,	2767, 2775, 2783		13170, 14036,
7364, 8209, 8230,	\lowertitleback ...		14040, 14049, 14052
8830, 8927, 10930,	. 17374, 17923, 18622		\LT@head ... 14043, 14056
11480, 11497,	\LR 13143, 15949, 15982,		\LT@hline 13952
11513, 11541,	21049, 21073, 21075		\LT@kill 13952
11555, 11569,	\lrb 2058, 2067		\LT@lastfoot 14036, 14038, 14049
12125, 12139,	\LRE 1602, 1646,		\LT@LL@FM@cr 13961, 13965
12148, 12194,	1887, 1921, 13142,		\LT@make@row 13982
12235, 12242,	15949, 15952,		
12674, 12685,	20676, 21049, 21052		
12696, 12707,	\lreset@listparshape		
	12722,	12737,	
	12780,	12797,	
	12818,	12835,	
	12851,	12868,	
	12882,	12899,	
	12913,	12930,	
	13155,	13571,	
	14766,	14816,	
	14866,	14888,	
	15300,	15304,	
	15308,	15767,	
	15976,	16294,	
	16359,	16433,	
	16500,	16696,	
	16739,	16925,	
	17216,	17765,	
	18339,	18439,	
	18464,	19028,	
	19214,	19218,	
	19221,	19225,	
	20870,	21067,	
	21163,	21540,	
	21544,	21548,	
	21584,	21588,	
	21592, 21651, 21754		
	\longindentation .. 9074		
	\longthickrule		
	..... 16777, 16783		
	\loop 1785,		
	1786, 1787, 3947,		
	3957, 7520, 7730,		
	10429, 10438,		
	13446, 15784,		
	15820, 15847,		
	15858, 15885, 19169		
	\looprepeat 3964, 3968,		
	4012, 4083, 4090,		
	4095, 4101, 4104,		
	4106, 4110, 4111, 4116		
	\lower 1639, 1916, 15982,		
	16016, 16024,		
	20864, 21073, 21075		
	\lowercase 2759,		
	2767, 2775, 2783		
	\lowertitleback ...		
	. 17374, 17923, 18622		
	\LR 13143, 15949, 15982,		
	21049, 21073, 21075		
	\lrb 2058, 2067		
	\LRE 1602, 1646,		
	1887, 1921, 13142,		
	15949, 15952,		
	20676, 21049, 21052		
	\lreset@listparshape		



\LT@makecaption ...	\LTRfootmarkstyle .	16943, 16962,
.. 13986, 13997,	..... 9262, 9301	17266, 17351,
17605, 18185, 18868	\LTRfootnote ... 418,	17382, 17815,
\LT@mc col 13942, 13987,	492, 2144, 2152,	17900, 17931,
17613, 18193, 18876	5711, 6061, 7034,	18514, 18599, 18630
\LT@no@pgbk . 13950, 13951	7108, 8890, 8964,	\ltx@firstofthree .
\LT@nofcols 13981	11461, 11646,	..... 11331, 11355
\LT@output 14030	11649, 16431,	\ltx@ifundefined ..
\LT@p@ftn 12775,	16537, 16691,	..... 11325, 11349
12778, 12782,	16779, 16888,	\ltx@secondofthree
12792, 12813,	16962, 17266,	..... 11334, 11358
12816, 12820,	17382, 17815,	\ltx@thirdofthree .
12830, 14023,	17931, 18514, 18630	. 11327, 11344, 11351
14024, 14026, 14027	\LTRfootnotetext ..	
\LT@p@ftntext 14016	.... 2210, 2221,	M
\LT@p@LTRftntext ..	6492, 6502, 11617,	\m@addvipersep
..... 12773,	11619, 12776,	..... 14949, 15049
12780, 14017, 14022	14023, 19215, 19219	\m@m@float@spacing 9253
\LT@p@RTLftntext ..	\LTRfootscript . 9262,	\m@m@footnote@spacing
..... 12811,	9279, 9283, 9285,	9158, 9172, 9186,
12818, 14018, 14025	11689, 11693, 11695	9200, 9211, 9222,
\LT@rows ... 13976, 14001	\LTRfoottextfont 9152,	9252, 9451, 9461,
\LT@setprevdepth . 13977	9188, 9213, 9341,	9471, 9497, 9509,
\LT@start .. 13168, 13178	9462, 9490, 9510,	9522, 9533, 9538,
\LT@startpbox	9570, 9596, 9615,	9560, 9569, 9578,
. 13958, 13965, 14014	9674, 9702, 9722,	9603, 9614, 9626,
\LT@tabularcr 13948	9783, 9811, 9831,	9636, 9641, 9663,
\LT@captiontype	9892, 9920, 9940,	9673, 9683, 9709,
. 13999, 14003, 14004	10001, 10029,	9721, 9734, 9745,
\LT@capwidth 13987	10049, 10110,	9750, 9772, 9782,
\LT@left 13936,	10138, 10158,	9792, 9818, 9830,
13938, 13940, 13978	10219, 10247,	9843, 9854, 9859,
\LTR .. 15941, 21025, 21027	10267, 10328,	9881, 9891, 9901,
\LTR@column@boxes .	10356, 10376,	9927, 9939, 9952,
. 15216, 15260, 15262	10596, 10624, 10659	9963, 9968, 9990,
\LTR@outputdblcol .	\LTRright 13936,	10000, 10010,
... 7620, 11071,	13938, 13940, 13979	10036, 10048,
11899, 15007,	\LTRmarginnote 5725	10061, 10072,
21423, 21467, 21469	\LTRmarginpar 21523	10077, 10099,
\LTRbidituftesidenotemarginpar	\LTRmulticolcolumns	10109, 10119,
... 5252, 5578, 5728	..... 15258	10145, 10157,
\LTRcite	\LTRsidenote .. 5447, 5707	10170, 10181,
5522, 5642, 5671,	\LTRthanks . 418, 438,	10186, 10208,
5700, 5722, 5731, 5740	473, 492, 6061,	10218, 10228,
\LTRcolumnfootnotes 9249	6069, 6086, 6102,	10254, 10266,
\LTRdblcol 21469	6113, 7034, 7054,	10279, 10290,
\LTRdfnmakecol 8362	7089, 7108, 8890,	10295, 10317,
\LTRfootfootmark ..	8910, 8945, 8964,	10327, 10337,
.... 9151, 9276,	11615, 14753,	10363, 10375,
9490, 9596, 9702,	16431, 16471,	10388, 10399,
9811, 9920, 10029,	16517, 16537,	10404, 10486,
10138, 10247,	16691, 16721,	10548, 10583,
10356, 10624, 11686	16761, 16779,	10595, 10607,
	16888, 16908,	10638, 10657,



10671, 10689, 10699, 10708, 10717	\m@make@threecol@footgroup	\m@mold@mpRTLfootnotetext
\m@m@h 9416, 9418,	. . . . . 9549, 9634	. . 9235, 9243, 10541
9420, 9423, 9424, 9429	\m@make@twocol@footgroup	\m@mold@RTLfootnotetext
\m@m@k 9416, 9418,	. . . . . 9440, 9531	. . 9232, 9240, 10520
9423, 9426, 9427, 9429	\m@m@doextrafeet . . .	\m@mopfootnote
\m@m@makecolfloats	. 9310, 10790, 10804	. . . . . 10754, 10788
. 10738, 10791, 10797	\m@m@doextrafeetendmini	\m@mremovehboxes . .
\m@m@makecolintro .	. . . . . 9379, 9392	. . . . . 10444,
. 10753, 10782, 10795	\m@m@doextrafeetmini 9351	10445, 10687,
\m@m@makecoltext . .	\m@m@dosplits . . . 9421,	10697, 10707, 10716
. 10742, 10792, 10805	9425, 9426, 9427	\m@mrigidbalance 9418,
\m@m@singlespace . . 9251	\m@m@interparanoteglua	9423, 9535, 9540,
\m@m@make@eightcol@footgroup	. . . . . 10422, 10424	9638, 9643, 9747,
. 10088, 10179	\m@m@ipn@skip	9752, 9856, 9861,
\m@m@make@fivecol@footgroup	. 10414, 10421, 10423	9965, 9970, 10074,
. 9761, 9852	\m@m@makehboxofhboxes	10079, 10183,
\m@m@make@footstart .	. . . . . 10426,	10188, 10292,
. 9397, 9409	10436, 10686,	10297, 10401, 10406
\m@m@make@fourcol@footgroup	10696, 10706, 10715	\m@m@splitoff . . 9426, 9428
. 9652, 9743	\m@m@mf@prepare	\m@mungebox
\m@m@make@mp@eightcol@footgroup	. . . . 9168, 9182,	. . 10415, 10592,
. 10094, 10184	9196, 9257, 9459,	10604, 10616,
\m@m@make@mp@fivecol@footgroup	9469, 9479, 9505,	10653, 10667, 10681
. 9767, 9857	9518, 9530, 9567,	\m@m@unvxh . . 10407, 10416
\m@m@make@mp@fourcol@footgroup	9576, 9585, 9610,	\m@m@ne 304, 551, 560, 2743,
. 9658, 9748	9622, 9633, 9671,	2932, 3684, 3691,
\m@m@make@mp@n@ninecol@footgroup	9681, 9691, 9717,	3943, 3948, 3958,
. 10203, 10293	9730, 9742, 9780,	4039, 5220, 5264,
\m@m@make@mp@para@footgroup	9790, 9800, 9826,	5308, 6981, 7139,
. 10481, 10543, 10702	9839, 9851, 9889,	7176, 7520, 8738,
\m@m@make@mp@se@sevencol@footgroup	9899, 9909, 9935,	8747, 9008, 10830,
. 9985, 10075	9948, 9960, 9998,	10847, 12998,
\m@m@make@mp@s@sixcol@footgroup	10008, 10018,	15190, 16042,
. 9876, 9966	10044, 10057,	16808, 16993,
\m@m@make@mp@ten@tencol@footgroup	10069, 10107,	17030, 17692,
. 10312, 10402	10117, 10127,	18270, 18273,
\m@m@make@mp@threecol@footgroup	10153, 10166,	18953, 18956,
. 9555, 9639	10178, 10216,	19464, 19506,
\m@m@make@mp@twocol@footgroup	10226, 10236,	20445, 21535,
. 9446, 9536	10262, 10275,	21579, 21614, 21617
\m@m@make@n@ninecol@footgroup	10287, 10325,	\m@m@th 403, 8554,
. 10197, 10288	10335, 10345,	8559, 8565, 11119,
\m@m@make@para@footgroup	10371, 10384,	11134, 13983,
. 10465, 10523, 10682	10396, 10592,	20517, 20626,
\m@m@make@para@footstart	10604, 10616,	21097, 21191,
. . 10466, 10472,	10653, 10667, 10681	21263, 21265, 21324
10524, 10530, 10720	\m@mold@footnotetext	\m@m@maincolumnwidth . .
\m@m@make@se@sevencol@footgroup	. . 9230, 9238, 10515	2465, 2474, 2475,
. 9979, 10070	\m@mold@LTRfootnotetext	2476, 2477, 2479,
\m@m@make@s@sixcol@footgroup	. . . . . 9231, 9239	2483, 2498, 2502, 2527
. 9870, 9961	\m@mold@mp@footnotetext	\m@m@mainmatter 6240
\m@m@make@ten@tencol@footgroup	. . 9233, 9241, 10536	\m@m@makeatletter . 3352, 3371
. 10306, 10397	\m@mold@mp@LTRfootnotetext	\m@m@makebox
	. . . . . 9234, 9242	8553, 8558, 8627,



8630, 8633, 8640, 8648, 8655, 8696, 8700, 15602, 15620	\maketitlehookc .. 14813	\maxdimen
\makefooter	\maketitlenamefullwidth ... 8153, 8154, 8156	7561, 7562, 7564, 7624, 7625, 7627, 10588, 10600, 10612, 10649, 10663, 10677, 10991, 11039, 11040, 11041, 11075, 11076, 11077, 11746, 11907, 11908, 11910, 11956, 11957, 11959, 14911, 14912, 14914, 15011, 15012, 15014, 19162, 19201, 20577, 20580, 20585, 20589, 20593, 20597, 20601, 20605, 20609, 20613, 20798, 21380, 21381, 21383, 21427, 21428, 21430
... 8076, 8077, 8093	\maketitlenamemaxwidth ... 8151, 8152, 8156	\mbox . 12223, 13490, 18442
\MakeFramed	\maketitlenamewidth 8155, 8156, 8162, 8174	\mc@col@status@write 15220, 15241
\makelabel .. 5942, 21127	\maketitlepage 6123, 6165	\mc@gridwarn
\MakeLineNo	\maketitlepicturewidth 8157, 8158, 8164, 8193	\mc@lastcol@status@write 15226, 15249
\makeLineNumber ...	\MakeUppercase . 125, 571, 599, 600, 615, 706, 864, 969, 1116, 1219, 6633, 6707, 6810, 6895, 7020, 7021, 7204, 8766, 9037, 10874, 13326, 16161, 16258, 16416, 16652, 16875, 16876, 17049	\mdf@footnotedistance@length 14151
..... 13497, 13499	\marginline	\mdf@footnoteinput 14159
\makeLineNumberLeft 13502	. 17511, 18091, 18774	\mdf@footnoteoutput 14148
\makeLineNumberRight 13510	\marginnote	\mdf@frametitleaboveskip@length 14143
\maketag@@@ 336, 8551, 8564, 14088	5716	\mdf@frametitlealignment 14124
\makethanksmark .. 14766	\marginpar	\mdf@frametitlebelowskip@length 14144
\maketitle . 110, 313, 320, 412, 440, 451, 475, 735, 780, 802, 824, 987, 1032, 1054, 1076, 1237, 1282, 1304, 1326, 1984, 1996, 2491, 6037, 6141, 6165, 6745, 6790, 6922, 6967, 7028, 7056, 7067, 7091, 8058, 8172, 8791, 8815, 8826, 8848, 8884, 8912, 8923, 8947, 10891, 10915, 10926, 10948, 12945, 12946, 13311, 14761, 16287, 16332, 16354, 16376, 16424, 16473, 16495, 16519, 16685, 16723, 16734, 16763, 16882, 16910, 16921, 16945, 17255, 17326, 17353, 17804, 17875, 17902, 18503, 18574, 18601	4786, 5494, 17512, 18092, 18775, 20712	\mdf@frametitlebox .. 14123, 14136, 14137, 14138, 14139, 14141, 14142
\maketitledetailsnewline	\marginparpush 4719, 21633	\mdf@frametitlefont 14126
8167, 8182, 8184, 8185, 8186, 8187, 8188	\marginparsep	\mdf@frametitlefontcolor 14125
\maketitledetailwidth	..... 1974, 2376, 4760, 4763, 4767, 4919, 4926, 12262, 12264, 12268, 12273, 12276, 12278, 21644, 21646	\mdf@horizontalmargin@equation 14101
..... 8159, 8161, 8162, 8163, 8164, 8179	\marginparwidth 1973, 2377, 4759, 4764, 4776, 4874, 5144, 5237, 5281, 5325, 12262, 12264, 12276, 12278, 21552, 21596, 21646	\mdf@ignorevbadness 14135
\maketitlehookb .. 14811	\markboth	
	124, 565, 6245, 8752, 13325	
	\math@cr@@@align .. 338	
	\mathindent . 11120, 11136	
	\mathsurround	
	7254	
	\max@poem@no	
	... 6440, 6542, 6543	
	\maxdepth 10793, 10806, 12111, 12118	



\mdf@lrbox . 14094, 14123	13424, 13427,	14443, 14448,
\mdf@par@local ... 14117	14862, 14863,	14487, 14494,
\mdf@patchamsthm . 14095	15193, 15212,	14495, 14498,
\mdfframedtitleenv 14122	15281, 15361,	14516, 14518,
\mdfframetitleboxdepth	15368, 17327,	14521, 14523,
..... 14139	17478, 17485,	14526, 14533,
\mdfframetitleboxheight	17876, 18058,	14541, 14543,
..... 14138	18065, 18575,	14596, 14601,
\mdfframetitleboxtotalheight	18741, 18748,	14612, 14613,
..... 14140	20089, 20091, 20094	14616, 14647,
\mdfframetitleboxwidth	\MH 8563, 8567,	14652, 14654,
..... 14137	8572, 8573, 8577,	14661, 14662,
\mdseries	8581, 8582, 8586,	14665, 14680,
. 307, 8052, 8054,	8594, 8596, 8601,	14684, 14687,
8056, 8057, 8144,	8613, 8621, 8626,	14689, 14698,
8145, 8146, 8149, 8150	8629, 8632, 8634,	14701, 14711,
\meaning	8635, 8637, 8638,	14712, 14714,
2652, 2655, 2898,	8641, 8642, 8644,	14737, 14743, 14747
3342, 3369, 3384,	8645, 8647, 8649,	\mkern 20518,
3402, 3410, 3419, 3483	8650, 8652, 8653,	20519, 20627, 21325
\mediabutton	8656, 8657, 8659,	\mobile 2453
. 14686, 14746, 14747	8660, 8662, 8667,	\Mobilefone 2413
\medskip 6347	8668, 8669, 8670,	\mobilesymbol
\medskipamount 9076	8671, 8672, 8673,	... 2413, 8086, 8184
\mem@makecol 10781, 10807	8674, 8675, 8684,	\mode 14357, 14690
\memRTLleftskip .. 14784	8686, 8690, 8691, 8693	\modernpoem 6595
\memRTLraggedleft 14789	\MHInternalSyntaxOff	\modernpoem@obeylines
\memRTLraggedright 14788	..... 8708, 14091	..... 6342, 6595
\memRTLrightskip . 14785	\MHInternalSyntaxOn	\modernpoem@par ...
\memRTLvleftskip . 14786	..... 8548, 14085	... 6342, 6343, 6559
\memRTLvrightskip 14787	\MidFrameCommand ..	\morefloats ... 5026, 5123
\message .. 1859, 1861,	. 11735, 11779, 11847	\moreLRE 1603,
11747, 11755,	\minrowclearance ..	1888, 15903, 20983
11759, 11764,	... 1460, 1494, 7359	\moreRLE 1605,
11772, 11778,	\mintagvsep 8568	1890, 15904, 20984
11788, 11793,	\missingfigure	\moveleft ... 5176, 15105
11795, 11802,	..... 20756, 20786	\moveright
11810, 11823,	\mix 14180, 14181, 14188,	. 11226, 15203, 21716
11831, 11836,	14189, 14215,	\mp@footgroupv@r ..
11841, 11854,	14232, 14255,	.... 9370, 9415,
11865, 11873, 11885	14258, 14260,	9447, 9556, 9659,
\MessageBreak	14283, 14315,	9768, 9877, 9986,
..... 148, 3601,	14323, 14332,	10095, 10204,
3615, 3627, 3639,	14343, 14354,	10313, 10483, 10545
4316, 4327, 4334,	14356, 14361,	\mp@LTRfootgroupv@l
4346, 4352, 4450,	14362, 14364,	..... 9362,
4503, 4504, 4505,	14365, 14367,	9374, 10484, 10546
4519, 4520, 4522,	14379, 14388,	\mpfootnoterule ...
4800, 4896, 5123,	14391, 14392,	..... 11433, 11437
5124, 5192, 5796,	14393, 14403,	\msg 14235, 14238,
5797, 5798, 5800,	14413, 14414,	14286, 14289,
5801, 5805, 5806,	14416, 14417,	14304, 14307, 14349
5807, 5809, 5810,	14422, 14423,	\MT . 8587, 8593, 8595, 14086
13381, 13423,	14439, 14441,	\mult@cols 15299



10446,	10511,	1874, 1875, 1876,	7103, 7993, 8840,
10768,	10807,	1877, 2334, 2363,	8860, 8937, 8959,
10808,	10809,	2542, 2590, 3358,	10940, 10960,
10810,	11249,	3846, 6226, 6414,	13949, 14775,
11252,	11311,	7999, 8001, 8003,	16368, 16388,
11316,	11318,	8005, 8070, 8097,	16509, 16531,
11324,	11340,	8099, 8101, 8103,	16753, 16775,
11364,	11376,	8166, 9090, 9091,	16935, 16957,
11430,	11476,	11307, 11315,	17342, 17891, 18590
11477,	11478,	14093, 20665, 20666	\newpoem@tabcr
11531,	11533,	\newinsert 1608, 1893,	. . . 6558, 6567, 6568
11660,	11663,	5029, 5030, 5031,	\newsavebox 2091,
11666,	11669,	5032, 5033, 5034,	4772, 4807, 4808
12306,	13549,	5035, 5036, 5037,	\newskip
13560,	15255,	5038, 5039, 5040,	2129, 2130, 2131,
15258,	15261,	5041, 5042, 5043,	2937, 10421, 11897
17198,	17199,	5044, 5045, 5046,	\newthought 5945
17747,	17748,	5047, 5048, 5049,	\NewTokenList 3887
18446,	18447,	5050, 5051, 5052,	\newtoks 2142,
20667,	20669,	5053, 5054, 5055,	2663, 2664, 3678,
20974,	20975,	5056, 5057, 5058,	3679, 3849, 3862,
21023,	21024,	5059, 5060, 5061,	3887, 3940, 6355,
21115,	21237,	5062, 5078, 5079,	11317, 15899, 20979
21238,	21340,	5080, 5081, 5082,	\newXeTeXintercharclass
21468, 21469, 21666		5083, 5084, 5085,	. . . . . 1781, 1782
\newcount . 1779, 1954,		5086, 5087, 5088,	\next 21363, 21366
1955, 2583, 2593,		5089, 5090, 5091,	\next@tpage
2597, 2945, 3677,		5092, 5093, 5094,	. . . 17272, 17304,
3780, 3940, 4001,		5095, 5096, 5097,	17314, 17317,
4081, 9416, 21332		5098, 5099, 5100,	17385, 17821,
\newcounter 5423, 6541,		5101, 5102, 5103,	17853, 17863,
11145, 11309,		9405, 9410, 9413, 9414	17866, 17934,
19693, 19697, 19698		\newlength	18520, 18552,
\newdimen . 6303, 6304,		2461, 2462, 2463,	18562, 18565, 18633
6354, 9416, 12035		2465, 2466, 2467,	\ninecolumnfootnotes
\newenvironment . . .		2469, 2470, 2553,	. . . . . 10189
2092, 2103, 2112,		4755, 4756, 4757,	\no@bib@break
2121, 2556, 4773,		4811, 4828, 5616,	. 17464, 18044, 18727
4788, 4791, 4829,		8151, 8153, 8155,	\noalign 1374,
4956, 6530, 6594,		8157, 8159, 19725,	6468, 9426, 13949,
13247, 21027,		19727, 19728, 20355	13950, 13951,
21037, 21193,		\newline 2524, 4990	17606, 17631,
21202, 21211, 21220		\newlinechar 1831	17633, 18186,
\newfloat@@setwithin		\newlinetospace . . .	18211, 18213,
. 15525,		4987, 5007, 5008,	18869, 18894, 18896
15531, 15539, 15541		5009, 6246, 6247, 6248	\nobibliography . . . 5420
\newfloat@Error . . 15544		\newlistentry 19690, 19757	\nobidilogo 1922
\newfloat@setwithin		\newpage 465, 487, 816,	\nobreak 14, 16, 209, 211,
. 15511		836, 1068, 1088,	517, 535, 562, 566,
\newif 1564, 1565, 1569,		1318, 1338, 4497,	654, 655, 669, 695,
1570, 1573, 1574,		4499, 4503, 4508,	882, 883, 897, 913,
1575, 1576, 1577,		4509, 4512, 4516,	1137, 1138, 1152,
1578, 1579, 1581,		4518, 4521, 6142,	1179, 4559, 5543,
1582, 1872, 1873,		6179, 6180, 7081,	5883, 5884, 6368,



6370, 6376, 6654,	2618, 2659, 2668,	20205, 20212,
6655, 6669, 6693,	2672, 2692, 2696,	20217, 20218,
6831, 6832, 6846,	2795, 2897, 2898,	20278, 20649,
6870, 6984, 6992,	2900, 2951, 2979,	20650, 20651,
7004, 7133, 7149,	3005, 3033, 3059,	20652, 20653,
7179, 7184, 7192,	3062, 3096, 3099,	20654, 20655,
7410, 8721, 8734,	3337, 3338, 3339,	20656, 20657,
8749, 8753, 8761,	3341, 3342, 3367,	20899, 20914,
8988, 9011, 9016,	3369, 3387, 3388,	20942, 20948,
9025, 9069, 9070,	3389, 3392, 3399,	20961, 21286, 21670
10824, 10840,	3400, 3401, 3403,	\noindent 455, 630, 639,
10849, 10853,	3409, 3410, 3412,	937, 1189, 1198,
10861, 13302,	3418, 3419, 3421,	1988, 4782, 4975,
13304, 13349,	3480, 3482, 3483,	5566, 5584, 5602,
14056, 14150,	3697, 3843, 3848,	5719, 5728, 5737,
15154, 15165,	3854, 3902, 3930,	5947, 5967, 6128,
15166, 15177,	3933, 3936, 3937,	6130, 6132, 6323,
15178, 16045,	4021, 4028, 4031,	6703, 6891, 7071,
16047, 16200,	4032, 4049, 4053,	7267, 8830, 8927,
16201, 16215,	4055, 4056, 4057,	9072, 9135, 10590,
16239, 16572,	4065, 4066, 4067,	10602, 10614,
16573, 16587,	4070, 4071, 4072,	10651, 10665,
16611, 16802,	4107, 4164, 4325,	10679, 10691,
16818, 16987,	4326, 4328, 4464,	10701, 10710,
17003, 17032,	4569, 4603, 4604,	10719, 10930,
17036, 17044,	5392, 5394, 5402,	12126, 13488,
17439, 18439,	5795, 5798, 5804,	14839, 16176,
19323, 19340,	5807, 6489, 6492,	16185, 16626,
19347, 19488,	6495, 6547, 7951,	16635, 16701,
19491, 19519,	8303, 8355, 11147,	16744, 16925,
19520, 19542,	11148, 11153,	17235, 17272,
19543, 19559,	11154, 11206,	17385, 17439,
19560, 19576,	12048, 12058,	17553, 17558,
19577, 19593,	12766, 12776,	17784, 17821,
19594, 19610,	12784, 12785,	17934, 18133,
19611, 19627,	12786, 12788,	18138, 18354,
19628, 19645,	12814, 12822,	18383, 18389,
19646, 19664,	12823, 12824,	18395, 18401,
19665, 19684,	12826, 12855,	18407, 18413,
19685, 19719,	12856, 12857,	18419, 18425,
19720, 19755,	12859, 12886,	18431, 18440,
19913, 19914,	12887, 12888,	18483, 18520,
20020, 20022,	12890, 12917,	18633, 18816,
20070, 20102,	12918, 12919,	18821, 20688,
20107, 20110,	12921, 13978,	20691, 20693,
20510, 20515,	14023, 14026,	20695, 20698,
20523, 20624,	14614, 14879,	20702, 20704,
20625, 20629,	17461, 17462,	20760, 20822, 21255
21322, 21323, 21327	18041, 18042,	\noindentlineskip ..
\nobreakspace 561	18724, 18725,	. . . . . 8220, 8241,
\node . 20710, 20740, 20746	19032, 19104,	11718, 14133,
\noexpand . 393, 2164,	19141, 19142,	15201, 21641, 21649
2165, 2179, 2180,	19215, 19222,	\nopagebreak
2207, 2210, 2213,	19700, 20172,	. . 6422, 6432, 13951



\nopagenumbers 2543	15179, 15604,	16438, 16467,
\normalbaselines . 21097	15617, 16358,	16532, 16624,
\normalbaselineskip	16360, 16499,	16627, 16703,
311, 4680, 10491,	16501, 16695,	16717, 16776,
10502, 10553,	16702, 16738,	16890, 16904,
10564, 14114, 16119	16745, 16924,	16958, 17281,
\normalcolor	16927, 17029,	17303, 17314,
2309, 7371, 7582,	17042, 19745,	17385, 17393,
7647, 7879, 7898,	19750, 19751,	17830, 17852,
8682, 9334, 9358,	20109, 20408,	17863, 17934,
9366, 9374, 9388,	20630, 21328, 21769	17942, 18529,
10762, 10775,	\normalfootnotes . .	18551, 18562,
11607, 11727,	. . . . . 9236, 9247	18633, 18641,
11932, 11979,	\normallineskip . . .	19057, 19063,
12080, 12090,	. 2401, 14113, 16118	19085, 19488,
12097, 13335,	\normalparindent 42,	19519, 19542,
14152, 15179,	56, 72, 245, 259, 274	19559, 19576,
20408, 20630,	\normalRTLparaLTRfootnotes	19593, 19610,
20876, 21328,	. . . . . 10511	19627, 19645,
21401, 21450,	\normalsfcodes	19664, 19684,
21480, 21496,	. . . . . 11219, 21709	19719, 20070,
21507, 21515,	\normalsize 307,	20510, 20624, 21322
21722, 21738, 21769	4673, 4674, 4681,	\number . . . 8, 139, 203,
\normalfont 25,	5248, 5292, 5336,	2617, 2618, 2624,
38, 52, 68, 85, 241,	5430, 5449, 5468,	2629, 2951, 2968,
255, 270, 288, 454,	5846, 8054, 8146,	2970, 2979, 2993,
457, 559, 806, 808,	11217, 14897,	2995, 3005, 3022,
1060, 1308, 1310,	16784, 17242,	3024, 3033, 3047,
1987, 1990, 2054,	17249, 17791,	3049, 3059, 3062,
2059, 2060, 2062,	17798, 18490,	3079, 3081, 3085,
2063, 2064, 2065,	18497, 20109,	3087, 3096, 3099,
2066, 2067, 2068,	21563, 21607, 21707	3113, 3115, 3119,
4721, 5340, 5341,	\NOT . . 4875, 4876, 4915,	3121, 3128, 3130,
5342, 5430, 5449,	4935, 4939, 5622,	3131, 3133, 3134,
5468, 5534, 5769,	5651, 5680, 5762, 5766	3137, 3138, 3145,
5776, 5783, 5975,	\null . . . 420, 434, 488,	3147, 3148, 3353,
6980, 7000, 7070,	628, 631, 747, 776,	3972, 4087, 4093,
7073, 7175, 7190,	837, 935, 938, 999,	4099, 4102, 4108,
8554, 8559, 8565,	1028, 1089, 1187,	4112, 6440, 6534,
8746, 8759, 8829,	1190, 1249, 1278,	7773, 7775, 7784,
8832, 8926, 8929,	1339, 5883, 6457,	7788, 7852, 7873,
9007, 9023, 9267,	6701, 6704, 6757,	8227, 8248, 8293,
9271, 9273, 9279,	6786, 6889, 6892,	8299, 8302, 8345,
9283, 9285, 9291,	6934, 6963, 7036,	8351, 8354, 8605,
9295, 9297, 10846,	7050, 7104, 8797,	8608, 13296, 15272
10859, 10929,	8811, 8861, 8892,	\numberline
10932, 11677,	8906, 8960, 10897,	. . . 4968, 13605,
11681, 11683,	10911, 10961,	13610, 14891,
11689, 11693,	13216, 13233,	19418, 20420,
11695, 11701,	15155, 15165,	20638, 20641, 20644
11705, 11707,	15166, 15177,	\numberline@box . . .
13249, 13284,	15178, 16174,	. . . . . 20073, 20074
13289, 13335,	16177, 16299,	\numberline@tempa 20640
14126, 14765,	16328, 16389,	\numberwithin 329



<code>\numexpr</code> . . . 3156, 4576, 19890, 19998, 20172	<code>\orig@LTRfootnotetext</code> ... 156, 15291, 15307	7126, 7141, 7154, 7156, 7158, 7160,
<code>\nxLcs</code> . . . 2070, 2071, 2072	<code>\orig@RTLfootnotetext</code> ... 160, 15296, 15311	7174, 7180, 7185, 7188, 7193, 7425,
O	<code>\origin@RaggedLeft</code> . 16147, 16149, 16150	7435, 7448, 7458, 7471, 7481, 7494,
<code>\obeylines</code> . . . 6458, 6559	<code>\origin@RaggedRight</code> . 16148, 16149, 16150	7504, 7801, 7808, 7967, 7987, 8205,
<code>\ocgbase</code> . . . 14670, 14672	<code>\originalHbadness</code> 20736, 20754	8206, 8713, 8727, 8783, 8785, 8787,
<code>\oddpaper</code>	<code>\othermargin</code> 879	8789, 8798, 8893, 8982, 9006, 9012,
1955, 1959, 1960, 1961, 1964, 1965, 1966	<code>\outer</code> 1948	9017, 9021, 9026, 9082, 9084, 9086,
<code>\oddsidemargin</code>	<code>\outer@nobreak</code> 2327, 5242, 5286, 5330, 21557, 21601	9088, 9131, 9132, 10817, 10832,
..... 1977, 2372, 8525, 8529, 8535, 12282, 12291, 12295, 21691, 21695	<code>\outputpenalty</code> 7916, 7919, 7928, 7931, 7941, 7944, 14031, 14032	10845, 10850, 10854, 10857, 10862, 10865, 10867, 10869,
<code>\on@stripcols@break</code> 7710	<code>\overfullrule</code> 2361, 2362, 16028	10871, 10898, 10999, 11396, 11398, 11399,
<code>\onecolumn</code>	<code>\OVP@calc</code> 15599	11400, 11401, 11402, 11434, 12153, 12160,
.. 604, 620, 869, 1121, 2410, 6638, 6815, 7025, 16166, 16421, 16880, 19453	P	12199, 12206, 12251, 13264, 13268, 13277,
<code>\opening</code> 9057, 13337	<code>\p@</code> . . . 27, 29, 30, 31, 99, 103, 219, 223, 231, 233, 234, 235, 311, 421, 510, 527, 539, 541, 543, 545, 597, 602, 613, 617, 646, 662, 680, 687, 723, 729, 748, 862, 866, 873, 889, 906, 924, 959, 961, 964, 966, 1000, 1114, 1118, 1129, 1145, 1163, 1171, 1203, 1209, 1250, 1609, 1894, 2400, 2401, 2405, 2406, 4675, 4676, 4677, 4684, 4685, 4686, 4688, 4689, 5894, 5895, 5896, 5898, 5899, 5965, 6631, 6635, 6646, 6662, 6678, 6685, 6724, 6730, 6758, 6808, 6812, 6823, 6839, 6855, 6862, 6877, 6883, 6935, 6979, 6985, 6990, 6994, 6996, 6999, 7002, 7006, 7008, 7018, 7023, 7037,	13279, 13280, 13281, 13333, 13351, 13353, 13355, 13357, 14817, 15147, 15159, 15171, 15265, 15266, 15313, 15315, 15316, 15317, 16159, 16163, 16192, 16208, 16224, 16231, 16246, 16252, 16300, 16414, 16418, 16439, 16564, 16580, 16596, 16603, 16669, 16675, 16704, 16796, 16810, 16826, 16828, 16830, 16832, 16873, 16878, 16891, 16980, 16995, 17008, 17010,
<code>\OptArg</code> 2071, 2137		
<code>\OptArg@i</code> 2137, 2138		
<code>\OptArg@ii</code> . . . 2137, 2139		
<code>\OptArgs</code> 2136		
<code>\optparams</code>		
4849, 5706, 5707, 5708, 5710, 5711, 5712		
<code>\OR</code> 4843, 4915, 4935, 4939, 5191		
<code>\or</code> 1410, 1411, 1412, 1414, 1415, 1435, 1436, 1437, 1441, 1442, 1443, 1444, 1445, 1449, 1450, 1478, 1479, 1480, 1482, 1483, 1667, 1673, 1679, 1685, 1691, 1697, 1699, 1701, 1703, 1709, 1715, 1721, 1734, 1742, 1749, 1759, 7342, 7343, 7344, 7346, 7347, 12610, 12614, 19732, 19735, 19738, 20563, 20674, 20681, 20903, 20952, 21355, 21356, 21358		
<code>\orig@footnotetext</code> .. 152, 15286, 15303		



17012,	17014,	13761,	13764,	\pagefootnoterule .
17028,	17033,	13767,	13770,	..... 11432, 11440
17037,	17040,	13773,	13776,	\pagegoal 11746, 11748,
17045,	17243,	13779,	13782,	11753, 11760,
17247,	17250,	13785,	13788,	11801, 11803,
17254,	17499,	13791,	13794,	14037, 15117, 20803
17502,	17504,	13797,	13800,	\pageinwindow 7527
17507,	17658,	13803,	13806,	\pagenumbering 2408, 6230
17677,	17792,	13809,	13812,	\pageref 2547, 2549
17796,	17799,	13815,	13818,	\pageshrink 7763, 7766,
17803,	18079,	13821,	13824,	7792, 7816, 11762,
18082,	18084,	13827,	13830,	11766, 11782,
18087,	18238,	13833,	13836,	11808, 11820, 20806
18257,	18360,	13839,	13842,	\pagestretch
18362,	18364,	13845,	13848,	... 7817, 11761,
18366,	18491,	13851,	13854,	11782, 11820, 20810
18495,	18498,	13857,	13860,	\pagestyle
18502,	18762,	13863,	13866,	1953, 2399, 2407,
18765,	18767,	13869,	13872,	2550, 4995, 6231, 8092
18770,	18921,	13875,	13878,	\pagetotal ... 11748,
18940,	19451,	13881,	13884,	11753, 11759,
19726,	19894,	13887,	13890,	14774, 15115,
19897,	19901,	13893,	13896,	15118, 15129,
20002,	20005,	13899,	13902,	20798, 20803, 20861
20009,	20339,	13905,	13908,	\paperheight
20342,	20346,	13911,	13914,	.... 2336, 2339,
20352,	20434,	13917,	13920,	2342, 2345, 2348,
20618, 21316, 21779		13923,	13926,	2351, 2354, 2355, 8488
\p@enumiv 86,		13929,	15277,	\paperwidth 2337,
289, 580, 715,		19351, 19704, 21342		2340, 2343, 2346,
978, 1228, 2571,		\PackageInfo		2349, 2352, 2355,
6716, 6904, 7213,		.... 2941, 4201,		2356, 8488, 8495, 8505
8775, 9046, 10883,		4303, 4450, 4642,		\par ... 5, 15, 46, 60, 76,
13250, 16267,		13422, 16130, 20660		107, 108, 109, 110,
16661, 16855,		\PackageWarning ...		200, 210, 227, 228,
17058, 17468,		. 138, 2940, 3554,		229, 249, 263, 278,
18048, 18731, 19390		3671, 4304, 4333,		310, 313, 404, 423,
\p@subfigure 19115		6536, 8008, 8106,		429, 431, 432, 451,
\p@subtable 19116		11149, 11852,		494, 500, 504, 516,
\PackageError		13380, 13392,		535, 562, 565, 631,
..... 144, 2729,		15211, 15271,		641, 655, 668, 695,
2761, 2764, 2769,		15359, 15366,		756, 766, 773, 774,
2772, 2777, 2780,		15505, 19695, 20086		802, 841, 847, 851,
2785, 2788, 2939,		\PackageWarningNoLine		883, 897, 912, 938,
4513, 4640, 5748,		2604, 2969, 2994,		952, 1008, 1018,
10448, 13540,		3023, 3048, 3080,		1025, 1026, 1054,
13547, 13715,		3086, 3114, 3120, 4500		1093, 1099, 1103,
13718, 13721,		\page@sofar ... 164, 15183		1138, 1151, 1179,
13724, 13727,		\pagebreak		1190, 1200, 1258,
13730, 13733,		. 13950, 20806, 20815		1268, 1275, 1276,
13736, 13740,		\pagecontents 15963		1304, 1344, 1350,
13743, 13746,		\pagedepth 20800		1355, 1360, 1363,
13749, 13752,		\pagefillstretch . 20812		1948, 1984, 2325,
13755, 13758,		\pagefilstretch .. 20811		4869, 4877, 4936,



4937, 4940, 4941,	13303,	13311,	17413,	17416,
4966, 4975, 4976,	13339,	13344,	17419,	17439,
5145, 5161, 5885,	13347,	13349,	17548,	17552,
6000, 6001, 6002,	13439,	13581,	17553,	17557,
6003, 6128, 6130,	13983,	14106,	17558,	17562,
6132, 6150, 6151,	14129,	14133,	17783,	17828,
6152, 6326, 6433,	14761,	14833,	17833,	17836,
6447, 6458, 6476,	14839,	14845,	17838,	17843,
6551, 6559, 6584,	14849,	14855,	17846,	17848,
6655, 6668, 6693,	14870,	14889,	17850,	17856,
6704, 6766, 6776,	14898,	15155,	17864,	17870,
6783, 6784, 6832,	15167,	15180,	17940,	17946,
6845, 6870, 6892,	15418,	15430,	17949,	17951,
6943, 6953, 6960,	15492,	15770,	17957,	17960,
6961, 6984, 6992,	15941,	15942,	17962,	17965,
7004, 7039, 7045,	15943,	15944,	17968,	18128,
7047, 7048, 7067,	16037,	16038,	18132,	18133,
7110, 7116, 7120,	16045,	16046,	18137,	18138,
7132, 7149, 7179,	16106,	16177,	18142,	18353,
7184, 7192, 7269,	16187,	16201,	18383,	18389,
7410, 8213, 8234,	16214,	16239,	18395,	18401,
8721, 8733, 8749,	16308,	16318,	18407,	18413,
8752, 8760, 8800,	16325,	16326,	18419,	18425,
8806, 8808, 8809,	16354,	16393,	18431,	18433,
8826, 8865, 8871,	16399,	16403,	18436,	18439,
8875, 8895, 8901,	16447,	16457,	18443,	18482,
8903, 8904, 8923,	16464,	16465,	18527,	18532,
8966, 8972, 8976,	16495,	16539,	18535,	18537,
8987, 9011, 9016,	16545,	16550,	18542,	18545,
9025, 9059, 9064,	16555,	16558,	18547,	18549,
9067, 9069, 9070,	16573,	16586,	18555,	18563,
9080, 9381, 9487,	16611,	16627,	18569,	18639,
9490, 9493, 9593,	16637,	16701,	18645,	18648,
9596, 9599, 9699,	16706,	16712,	18650,	18656,
9702, 9705, 9808,	16714,	16715,	18659,	18661,
9811, 9814, 9917,	16734,	16744,	18664,	18667,
9920, 9923, 10026,	16782,	16787,	18811,	18815,
10029,	16790,	16801,	18816,	18820,
10135,	16818,	16893,	18821,	18825,
10141,	16899,	16901,	19146,	19756,
10247,	16902,	16921,	19762,	19915,
10353,	16964,	16970,	20021,	20102,
10359,	16974,	16986,	20529,	20631,
10701,	17003,	17032,	20688,	20689,
10719,	17036,	17044,	20695,	20696,
10840,	17234,	17279,	20698,	20706,
10853,	17284,	17287,	20759,	21025,
10900,	17289,	17294,	21026,	21035,
10908,	17297,	17299,	21036,	21194,
10926,	17301,	17307,	21203,	21212,
10971,	17315,	17321,	21221,	21290,
11143,	17391,	17397,	21329, 21758, 21779	
13272,	17400,	17402,	\par@update relative	
13274,	17408,	17411,	..... 17275,	



17387, 17824,	1133, 1149, 1175,	9022, 9134, 9402,
17936, 18523, 18635	5876, 6452, 6650,	9482, 9588, 9694,
\paragraph 5781	6666, 6689, 6827,	9803, 9912, 10021,
\paragraphfootnotes	6843, 6866, 7130,	10130, 10239,
. 10451, 10457	7145, 7297, 7416,	10348, 10618,
\parbox . . . 2496, 2498,	8717, 8731, 8985,	10622, 10626,
8080, 9075, 11024,	10619, 10623,	10727, 10736,
11025, 11026,	10627, 10821,	10820, 10835,
11030, 11031,	10836, 13301,	10846, 10858,
11032, 12411,	14113, 15148,	10930, 12125,
12413, 12417,	15160, 15172,	13268, 13300,
12419, 12450,	16060, 16073,	14109, 15149,
12451, 12454,	16086, 16097,	15161, 15173,
12455, 12512,	16196, 16212,	15485, 16061,
12513, 12516,	16235, 16568,	16074, 16087,
12517, 12541,	16584, 16607,	16098, 16162,
12543, 12547,	16799, 16814,	16198, 16211,
12549, 13987,	16984, 16999,	16234, 16294,
14827, 14856,	19302, 19331,	16311, 16417,
15416, 15418,	19361, 19480,	16433, 16450,
15419, 15421,	19511, 19534,	16570, 16583,
15423, 15424,	19551, 19568,	16606, 16701,
15426, 15428,	19585, 19602,	16744, 16781,
15430, 15431,	19619, 19637,	16798, 16813,
15433, 15435,	19656, 19676,	16877, 16925,
15436, 15437,	19711, 19906,	16983, 16998,
15438, 15439,	20014, 20040,	17029, 17041,
15440, 15442,	20042, 20102,	17235, 17784,
15443, 15444,	20503, 20505,	18354, 18483,
15445, 15446,	20619, 21232, 21317	19312, 19349,
15447, 15448,	\parindent . . . 12, 42,	19450, 19481,
15449, 15450,	56, 72, 103, 207,	19512, 19535,
15451, 15453,	223, 245, 259, 274,	19552, 19569,
15454, 15455,	455, 513, 530, 557,	19586, 19603,
15456, 15458,	601, 616, 652, 665,	19620, 19638,
15459, 15460,	690, 742, 759, 865,	19657, 19677,
15461, 15463,	880, 892, 909, 946,	19712, 19905,
15464, 15465,	994, 1011, 1057,	20013, 20044,
15466, 15467,	1117, 1135, 1148,	20439, 20500,
15468, 15470,	1174, 1244, 1261,	20501, 20620,
15471, 15472,	1988, 2403, 4697,	21031, 21041,
15473, 15474,	5368, 5877, 5919,	21132, 21232,
15475, 15477,	5927, 5992, 6145,	21257, 21258, 21318
15478, 15479,	6451, 6554, 6634,	\parsep . . . 949, 4689,
15480, 15481,	6652, 6665, 6688,	4690, 5899, 5900,
17614, 18194,	6752, 6769, 6811,	5938, 5965, 21131
18383, 18389,	6829, 6842, 6865,	\parshape 7266,
18395, 18401,	6929, 6946, 6980,	11874, 11882,
18407, 18413,	7000, 7022, 7071,	13489, 15567,
18419, 18425,	7129, 7144, 7175,	15587, 15776,
18431, 18442, 18877	7189, 7293, 7324,	15941, 15943,
\parfillskip . 13, 208,	7415, 8716, 8730,	16700, 16743,
514, 531, 650, 666,	8744, 8757, 8830,	17222, 17231,
691, 877, 893, 910,	8927, 8984, 9007,	17771, 17780,



18344, 18351,	\penalty 751,1003,1253,	\pgfsys@endpicture 15758
18470, 18479,	6372, 6694, 6761,	\pgfsys@endscope . 15757
21025, 21035,	6871, 6938, 7150,	\pgfsys@markposition
21161, 21196,	7254, 7260, 7913,	..... 15719
21198, 21199,	7925, 7938, 10420,	\pgfsys@typesetpicturebox
21200, 21205,	10620, 10624,	..... 15762
21207, 21208,	10628, 10841,	\pgfutil@gobble .. 15709
21209, 21214,	11783, 16240,	\pgfutil@ifnextchar
21216, 21217,	16303, 16442,	..... 15716
21218, 21223,	16612, 16819,	\phantom ... 14360,15206
21225, 21226, 21227	17004, 19916,	\phantomsection ... 2494
\parskip 103,	20427, 20535, 20802	\phone 2454
223, 602, 617,	\pgf@baseline 15731	\phonesymbol
866, 1118, 1981,	\pgf@insertlayers 15753	... 2414, 8087, 8185
2404, 4698, 5369,	\pgf@nodecallback 15709	\photo 2459
5920, 5928, 5991,	\pgf@oldpicture .. 15716	\picbox 15881
6146, 6450, 6553,	\pgf@picmaxx .. 15710,	\picinwindow 7547
6588, 6635, 6812,	15722, 15724, 15742	\picwd 15769,
7023, 7917, 7929,	\pgf@picmaxy 15712,15726	15772, 15880, 15882
7942, 9063, 9066,	\pgf@picminx	\place@tag . 338,339,341
9068,9070,13268,	. 15711,15725,15735	\plainauthor
13343, 13346,	\pgf@picminy 15713,15727	.... 5007,6050,
13348, 14109,	\pgf@picture 15716	6052,6091,6092,6095
14118, 15776,	\pgf@picture@serial@count	\plainfootnotes ... 9247
16109, 16163,	..... 15707,15708	\plainpublisher ...
16418, 16781,	\pgf@process .....	... 6053,6118,6119
16878, 18376,	. 15731,15734,15741	\plaintitle 5008,5009,
19451, 20439,	\pgf@relevantforpicturesize	zefalse6050,6051,6074,
20797, 20801, 21131	..... 15730	6075,6078,6246,6248
\part 23,13287	\pgf@relevantforpicturesize	\plinesep 5939
\partname 561,8748	..... 15714	\plparsep 5938
\partopsep 5941,14812,	\pgf@remember@layerlist@gl	\plpartopsep 5941
14814, 15561, 15581	..... 15748	\pLRE 1602,1603,1887,1888
\PassOptionsToClass	\pgf@resetpathsizes	\PLS@Rotate
6183,6184,6185,	..... 15715	. 15647,15649,15651
6186, 6187, 6207,	\pgf@restore@layerlist@fron	\plparsep 5940
6208,6209,6210,6211	..... 15752	\poem@finish
\PassOptionsToPackage	\pgf@shift@baseline	... 6483,6533,6540
..... 5200,6030	..... 15732	\poem@line 6410,6416,6467
\pbs 15625,15643	\pgf@trimleft 15734	\poem@linebegin 6367,6425
\pdfencryptsetup ..	\pgf@trimleft@final	\poem@lineend . 6368,6431
... 1660,1661,1769	. 15736,15737,15739	\poem@lineparsebegin
\pdflastxpos ... 2951,	\pgf@trimright ... 15741	... 6379,6436,6463
2979, 3059, 3096	\pgf@trimright@final	\poem@lineparseend
\pdflastypos ... 3005,	. 15743,15744,15746	... 6405,6417,6474
3033, 3062, 3099	\pgf@x 15735,	\poem@lineversesep
\pdfm@box 13217,	15739, 15742, 15746	..... 6369,6428
13225, 13234, 13242	\pgf@y 15732	\poem@needrun .. 6361,
\pdfsavepos 2961,2963,	\pgfpic 15762	6480, 6535, 6537
2986, 2988, 3015,	\pgfpicture 15703	\poem@obeylines 6462,
3017, 3040, 3042,	\pgfpictureid 15708,15719	6531, 6571, 6595
3072,3074,3106,3108	\pgfpicturetrue .. 15706	\poem@prop ... 6443,6545
\pdfstringdefDisableCommand	\pgfsys@discardpath	\poem@startedfalse
..... 13141	..... 15755	... 6460,6569,6575



<code>\poem@startedtrue</code> .	5756, 6015, 6047,	10366, 10379,
..... 6418,	6188, 6212, 8010, 8108	10391, 10586,
6419, 6459, 6561,	<code>\ProcessOptionsX</code> .. 1767	10598, 10610,
6563, 6568, 6576, 6578	<code>\protect</code> 400,	10647, 10661,
<code>\poem@verse</code>	1602, 1603, 1604,	10675, 11488,
... 6356, 6426, 6429	1605, 1830, 1887,	11505, 11521,
<code>\poem@width</code>	1888, 1889, 1890,	11549, 11563, 11577
6359, 6360, 6364,	2146, 2152, 2158,	<code>\protected@write</code> 1728,
6441, 6443, 6446, 6479	2164, 2173, 2179,	1732, 4535, 4546
<code>\poem@write@aux</code> ...	3214, 3215, 3848,	<code>\protected@xdef</code> ...
... 6482, 6534, 6546	3854, 4555, 4968,	.... 5630, 5659,
<code>\poemblocksep</code>	11206, 11617,	5688, 6071, 6088,
... 6353, 6457, 6557	11631, 13605,	6104, 6115, 11453,
<code>\poemcolsepskip</code> 6344, 6373	13610, 13971,	11462, 11616,
<code>\poemextrabaseskip</code>	14891, 19136,	11621, 11630,
... 6346, 6434, 6469	19137, 19141,	11636, 12785,
<code>\poemmarginsep</code> ...	19149, 19418,	12823, 12856,
... 6345, 6367, 6368	19762, 20968, 21670	12887, 12918, 12981
<code>\poemskip</code> 6347, 6447, 6478	<code>\protected</code> 1887,	<code>\providecommand</code> ...
<code>\postbibhook</code> 14905	1889, 2939, 2940,	2411, 2412, 2413,
<code>\postCutedStrip</code> ... 7939	2941, 3162, 3170,	2414, 2415, 2416,
<code>\postdisplaypenalty</code>	3172, 3178, 3364,	2427, 2428, 2429,
..... 11117, 11131	3380, 3396, 3419,	2430, 2431, 2432,
<code>\postmath</code> 7260	3421, 3471, 3526,	2433, 2434, 2435,
<code>\PotEndMark</code>	3541, 15905,	2436, 2437, 2438,
... 8557, 8562, 8565	15915, 15925,	2439, 2440, 2441,
<code>\preCutedStrip</code> 7915, 7927	15933, 20985,	2442, 2651, 5528,
<code>\predisplaydirection</code>	20995, 21005, 21014	5535, 5536, 5945,
..... 15989,	<code>\protected@edef</code> ...	8071, 8076, 11339
15990, 21766, 21767	.. 43, 57, 73, 246,	<code>\ProvidesClass</code>
<code>\predisplaypenalty</code>	260, 275, 5567,	... 2333, 6182, 6206
..... 11116, 11130	5585, 5603, 9163,	<code>\ProvidesExplPackage</code>
<code>\premath</code> 7256	9177, 9191, 9203,	..... 14167
<code>\prepare@bidi@copyins</code>	9214, 9225, 9454,	<code>\ProvidesFile</code> . 1, 131,
..... 11891,	9464, 9474, 9500,	165, 196, 326, 344,
11924, 11973, 12131	9513, 9525, 9563,	349, 351, 410, 605,
<code>\prepare@multicols</code> 15344	9572, 9581, 9606,	854, 1106, 1366,
<code>\preparefootins</code> ...	9618, 9629, 9666,	6623, 6800, 6977,
..... 11923, 11972	9676, 9686, 9712,	7010, 7223, 7278,
<code>\PrependToTokenList</code> 3890	9725, 9737, 9775,	7320, 7322, 7325,
<code>\prepnext@tok</code>	9785, 9795, 9821,	7363, 7406, 7421,
.... 1407, 1417,	9834, 9846, 9884,	7517, 7555, 8199,
1465, 1497, 7334, 7362	9894, 9904, 9930,	8364, 8483, 8486,
<code>\presetkeys</code> 20788	9943, 9955, 9993,	8547, 8709, 8882,
<code>\presig@skip</code> 18442	10003, 10013,	9056, 9089, 10813,
<code>\prevdepth</code> 4869,	10039, 10052,	10989, 11018,
4877, 7834, 8283,	10064, 10102,	11034, 11111,
8337, 14817, 15208	10112, 10122,	11141, 11150,
<code>\pRLE</code> 1604, 1605, 1889, 1890	10148, 10161,	11155, 11305,
<code>\process@cols</code> . 15184,	10173, 10211,	11645, 11712,
15217, 15231, 15237	10221, 10231,	11889, 12132,
<code>\ProcessOptions</code> ...	10257, 10270,	12259, 12301,
.... 2366, 4665,	10282, 10320,	12602, 13246,
	10330, 10340,	13332, 13336,



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18049,	18078,	20413,	20419,	2370, 2371, 2378,	
18083,	18088,	20539,	20646,	2379, 2394, 2447,	



4321, 4322, 4338, 4382, 4383, 4386, 4638, 4700, 4702, 4709, 4730, 4734, 4770, 4771, 4994, 5204, 5205, 5206, 5207, 5411, 5412, 5527, 5746, 5921, 5932, 5984, 6010, 6018, 6035, 6190, 6191, 6192, 6193, 6194, 6195, 6214, 6215, 6216, 6217, 6218, 6219, 21813, 21816, 21817, 21818, 21819, 21873 \RequireXeTeX . 1556, 1871 \reserved@a 2275, 2279, 2285, 2288, 2291, 2294, 2715, 2719, 3201, 3202, 3203, 4323, 4331, 4341, 4343, 4350, 4352, 4357, 4359, 4360, 4363, 4366, 4402, 4403, 4404, 4406, 4413, 4416, 4441, 4442, 4462, 4464, 4468, 4475, 4477, 4556, 4557, 20050, 20051, 20054, 20055, 20535, 20536 \reserved@b 2255, 2256, 2715, 2719, 2720, 4313, 4314, 4342, 4400, 4402, 4419, 4436, 4437, 4442, 4447, 4449, 4450, 4452, 4455, 4475, 4477 \reserved@c 4415, 4418, 4419, 4423, 4434, 4447, 4461, 4465 \reserved@d 2714, 2719, 4435, 4454, 4467 \reset@dir . 15960, 21060 \reset@font 37, 51, 67, 240, 254, 269, 5247, 5291, 5335, 5563, 5564, 5581, 5582, 5599, 5600, 9159, 9173, 9187, 9201, 9212, 9223, 9452, 9462, 9472, 9498,	9510, 9523, 9561, 9570, 9579, 9604, 9615, 9627, 9664, 9674, 9684, 9710, 9722, 9735, 9773, 9783, 9793, 9819, 9831, 9844, 9882, 9892, 9902, 9928, 9940, 9953, 9991, 10001, 10011, 10037, 10049, 10062, 10100, 10110, 10120, 10146, 10158, 10171, 10209, 10219, 10229, 10255, 10267, 10280, 10318, 10328, 10338, 10364, 10376, 10389, 10584, 10596, 10608, 10645, 10659, 10673, 11217, 11482, 11483, 11499, 11500, 11515, 11516, 11545, 11546, 11559, 11560, 11573, 11574, 21562, 21606, 21706 \ResetCounterPerPage 1793, 2585 \resizebox 12214 \restore@protect . . 3216 \restoreCaptionSkip 12395 \restorecounters@ . 8609 \restylefloat 5194 \resumename 2448 \righskip 19760 \right 21087, 21096, 21098 \right@cor . . . 14930, 14931, 15030, 15031 \right@footnoterule 26, 230, 414, 542, 728, 738, 963, 990, 1208, 1240, 6729, 6748, 6882, 6925, 7030, 7157, 8786, 8793, 8886, 9085, 10868, 10893, 11395, 11409, 11419,	11542, 11570, 13276, 13354, 14068, 14076, 15312, 16251, 16290, 16427, 16674, 16687, 16829, 16884, 17011, 17248, 17262, 17503, 17797, 17811, 18083, 18363, 18496, 18510, 18766 \rightfootnoterule 1700, 8201, 9127, 11407, 12121, 21775 \rightline . . . 15993, 21245, 21249, 21251 \rightlinenumbers 13522, 13530 \rightmargin 948, 5937, 5956, 5964, 5970, 11867, 11871, 16046, 21122, 21133, 21139, 21145, 21153, 21157 \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, 5875, 5882, 5883, 6453, 6642, 6648, 6649, 6654, 6665, 6688, 6691, 6692, 6819, 6825, 6826, 6831, 6842, 6865, 6868, 6869, 7129, 7144, 7147, 7148, 7280, 7281, 7282, 7408, 7409, 7415, 8716, 8719, 8720, 8730, 8984, 9401, 10726, 10735, 10820, 10835, 10838, 10839, 13300, 13301, 14112, 14784, 14785, 15148, 15152, 15153,
---	---	--



15160,	15165,	20619,	20624,	\rotate 17169
15172,	15177,	20647,	20654,	\rotatebox . . . 11301,
16057,	16059,	21023,	21024,	12327, 12376,
16070,	16072,	21230,	21257,	12589, 14059,
16083,	16085,	21258, 21317, 21322		14061, 14063,
16094,	16096,	\RL . . . 13145, 15950, 21050		14179, 14187,
16170,	16183,	\rlap . . . 306, 454, 805,		14709, 17092,
16194,	16195,	1307, 1987, 7070,		17101, 17139, 17150
16200,	16211,	8829, 8926, 10929,		\rotateframe 11263, 11300
16234,	16237,	11024, 11030,		\rotFPbot 17093,
16238,	16566,	11719, 12152,		17100, 17140, 17149
16567,	16572,	12198, 12264,		\rotFPtop 17091,
16583,	16606,	12265, 12278,		17102, 17138, 17151
16609,	16610,	12279, 13334,		\rrb 2058, 2068
16620,	16633,	15206, 15979,		\rsb 2057, 2066
16682,	16798,	16357, 16498,		\RTL . . 15943, 21035, 21037
16813,	16816,	16695, 16738,		\RTL@column@boxes .
16817,	16822,	16924, 17270,		. 15230, 15257, 15262
16823,	16983,	17334, 17819,		\RTL@outputdblcol .
16998,	17001,	17883, 18518,		. . . 7557, 11035,
17002,	19301,	18582, 19062, 21070		11948, 14907,
19306,	19317,	\RLE . 1604, 1889, 13144,		21376, 21467, 21468
19330,	19334,	15950, 15951,		\RTLbidityftesidenotemarginpar
19354,	19357,	15955, 20673,		. . . 5296, 5596, 5737
19362,	19366,	21050, 21051, 21055		\RTLcases . . 21097, 21100
19367,	19478,	\rmfamily 734,		\RTLcite
19479,	19480,	986, 1236, 5765,		5523, 5643, 5672,
19488,	19509,	5818, 5821, 5825,		5701, 5723, 5732, 5741
19510,	19511,	5828, 5832, 5835,		\RTLcolumnfootnotes 9248
19519,	19532,	5839, 5842, 5846,		\RTLdblcol 21468
19533,	19534,	5849, 16286, 16423		\RTLdfnmakecol 8361
19542,	19549,	\romannumeral . . 3998,		\RTLfootfootmark . .
19550,	19551,	3999, 6482, 6545,		. . . . 9145, 9288,
19559,	19566,	8617, 8620, 8666,		9493, 9599, 9705,
19567,	19568,	11258, 11259,		9814, 9923, 10032,
19576,	19583,	11260, 11261,		10141, 10250,
19584,	19585,	11263, 11264,		10359, 10628, 11698
19593,	19600,	11265, 11266,		\RTLfootmarkstyle .
19601,	19602,	11267, 11270,		. . . . . 9263, 9302
19610,	19617,	11271, 11272, 21125		\RTLfootnote . . . 419,
19618,	19619,	\rot@float@box 17076,		493, 2145, 2158,
19627,	19635,	17077, 17078,		5712, 6062, 7035,
19636,	19637,	17092, 17101,		7109, 8891, 8965,
19645,	19654,	17119, 17120,		11452, 11647,
19655,	19656,	17121, 17122,		11655, 16432,
19664,	19674,	17123, 17139, 17150		16538, 16692,
19675,	19676,	\rot@label . 17072, 17115		16780, 16889,
19684,	19709,	\rot@LR 17083, 17128		16963, 17267,
19710,	19711,	\rot@mess@toks 17075,		17383, 17816,
19719,	19759,	17087, 17097,		17932, 18515, 18631
19761,	20439,	17106, 17118,		\RTLfootnotetext . .
20501,	20502,	17133, 17145, 17155		. . . . 2213, 2224,
20503,	20509,	\rot@message 17106, 17155		6495, 6505, 11631,
20512,	20559,	\rot@pageref 17073, 17116		



11634, 12814, 14026, 19222, 19226	S	\scantokens ... 3352, 3372
\RTLfootscript . 9263, 9291, 9295, 9297, 11701, 11705, 11707	\s 14209, 14210	\scr@caption 17630, 17632, 17634, 18210, 18212, 18214, 18893, 18895, 18897
\RTLfoottextfont 9146, 9174, 9224, 9342, 9472, 9493, 9523, 9579, 9599, 9627, 9684, 9705, 9735, 9793, 9814, 9844, 9902, 9923, 9953, 10011, 10032, 10062, 10120, 10141, 10171, 10229, 10250, 10280, 10338, 10359, 10389, 10608, 10628, 10673	\save@dir .. 15959, 21059	\scr@caption@before@longtable@warning . 17602, 18182, 18865
\RTLmarginnote 5734	\savebox 8623, 12324, 12326, 12406	\scr@compatibility 17974, 17990, 17998, 18006
\RTLmarginpar 21567	\saveCaptionSkip . 12356	\scr@dte@current 20154, 20157
\RTLmulticolcolumns 15255	\savecounters@ 8606	\scr@dte@def@l@largetocline 19921
\RTLsidenote .. 5466, 5708	\saved@@dir ... 15959, 15960, 21059, 21060	\scr@dte@def@l@tocline 20123
\RTLthanks . 419, 439, 474, 493, 6062, 6070, 6087, 6103, 6114, 7035, 7055, 7090, 7109, 8891, 8911, 8946, 8965, 11629, 14754, 16432, 16472, 16518, 16538, 16692, 16722, 16762, 16780, 16889, 16909, 16944, 16963, 17267, 17352, 17383, 17816, 17901, 17932, 18515, 18600, 18631	\saved@tempdimb 7731, 7814, 7823	\scr@dte@def@l@undottedtocline 19764
\rtside 15824, 15826, 15837, 15839, 15860, 15862	\sbox 8689, 12358, 12375, 13376, 13384, 13429, 13575, 13988, 14178, 14186, 14378, 14665, 14704, 14709, 14821, 14836, 14868, 15591, 17524, 17538, 17578, 18104, 18118, 18158, 18787, 18801, 18841, 19316, 19333, 20075, 21756	\scr@dte@donumwidth 20358, 20359
\rule 46, 60, 76, 249, 263, 278, 2496, 8065, 8698, 8702, 8705, 9140, 9146, 9152, 11493, 11510, 11526, 11553, 11567, 11581, 14360, 16030	\sc@@temp 18382, 18383, 18388, 18389, 18394, 18395, 18400, 18401, 18406, 18407, 18412, 18413, 18418, 18419, 18424, 18425, 18430, 18431	\scr@dte@largetocline@init 19922
	\SC@FLOAT 19021, 21881, 21885, 21891, 21893, 21897, 21899	\scr@dte@nosub 20170, 20172, 20202, 20203, 20205, 20210, 20212, 20217, 20218, 20276, 20278
	\SC@justify@caption .. 19024, 21883, 21887, 21892, 21894, 21898, 21900	\scr@dte@numberline@box 20073, 20100
	\sc@temp 18380, 18382, 18386, 18388, 18392, 18394, 18398, 18400, 18404, 18406, 18410, 18412, 18416, 18418, 18422, 18424, 18428, 18430, 18440, 18442	\scr@dte@tocline 20032, 20415
	\sc@wm@text 8485	\scr@dte@tocline@init 20124
	\scalebox 12212	\scr@dte@tocline@numberwidth 20076, 20078, 20080, 20083
		\scr@dte@tocline@numbox . 20075, 20077, 20091
		\scr@dte@undottedtocline@init 19765
		\scr@ifundefinedorrelax .. 19799, 19847, 19892, 19954, 20000, 20024, 20063, 20168, 20170, 20199, 20202, 20203, 20210, 20233, 20273, 20274, 20276, 20292, 20345, 20372, 20391



\scr@LT@array . 13154, 17627, 17628, 17640, 18207, 18208, 18220, 18890, 18891, 18903	\section 570, 598, 614, 629, 635, 638, 705, 863, 936, 942, 944, 968, 1115, 1188, 1194, 1197, 1218, 2492, 2558, 5767, 5789, 5857, 5865, 5980, 5983, 5987, 6702, 6890, 8765, 16175, 16181, 16184, 16625, 16631, 16634	1630, 1907, 2307, 5175, 5231, 5234, 5275, 5278, 5319, 5322, 6381, 6392, 6598, 6612, 7238, 7265, 7270, 7302, 7337, 7366, 7521, 7522, 7526, 7529, 7539, 7543, 7546, 7550, 7560, 7563, 7564, 7578, 7595, 7611, 7623, 7626, 7627, 7641, 7654, 7670, 7695, 7696, 7700, 7732, 7733, 7735, 7736, 7739, 7740, 7768, 7774, 7777, 7785, 7823, 7824, 7854, 7874, 7911, 7922, 7935, 7985, 8209, 8217, 8218, 8222, 8230, 8238, 8239, 8243, 8258, 8261, 8266, 8270, 8278, 8315, 8318, 8323, 8327, 8332, 9198, 9209, 9220, 9312, 9418, 9423, 9430, 9495, 9507, 9520, 9601, 9612, 9624, 9707, 9719, 9732, 9816, 9828, 9841, 9925, 9937, 9950, 10034, 10046, 10059, 10143, 10155, 10168, 10252, 10264, 10277, 10361, 10373, 10386, 10408, 10409, 10416, 10428, 10431, 10433, 10437, 10440, 10442, 10444, 10588, 10600, 10612, 10630, 10649, 10655, 10663, 10669, 10677, 10687, 10697, 10707, 10716, 10746, 10754, 10769, 10785, 10796, 11008,
\scr@parindent 17739, 18328, 19011	\sectionbib 19402	
\scr@samed@footnotetext 17200, 17204, 17749, 17753, 18448, 18452	\sectionfont . . . 2432, 2440, 8056, 8149	
\scr@samed@LTrfootnotetext . . 17198, 17201, 17208, 17747, 17750, 17757, 18446, 18449, 18456	\sectionstyle . 2440, 2498	
\scr@samed@RTLfootnotetext . . 17199, 17202, 17212, 17748, 17751, 17761, 18447, 18450, 18460	\sectiontitlecolour 2423, 8018, 8026, 8033, 8040, 8047, 8117, 8123, 8129, 8135, 8141	
\scr@smashdp . . 17546, 17560, 17561, 17579, 18126, 18140, 18141, 18159, 18809, 18823, 18824, 18842	\selectfont 347, 3157, 6128, 6130, 6132, 15604, 15617	
\scr@tmp@footnotetext . . 17518, 17529, 17530, 18098, 18109, 18110, 18781, 18792, 18793	\separatorcolumnwidth 2463, 2464, 2475, 2481, 2497, 2502, 2508, 2566, 8163, 8193	
\scr@tmp@LTrfootnotetext . . 17520, 17531, 17532, 18100, 18111, 18112, 18783, 18794, 18795	\SepMark . . . 21109, 21110	
\scr@tmp@RTLfootnotetext . . 17522, 17533, 17534, 18102, 18113, 18114, 18785, 18796, 18797	\seq 14441, 14442, 15635, 15638	
\scriptsize 5903, 18381, 18387, 18393, 18399, 18405, 18411, 18417, 18423, 18429	\set@color 7366, 7371, 7379, 7385, 7393, 7400, 7405, 11726, 20872, 20876, 20972	
\scshape 6983	\set@split@topskip@to 7729, 7987	
\secshape . . 16781, 16822	\set@typeset@protect 11212, 11216, 19109, 21292, 21678, 21680	
\SectFont 629, 638, 936, 944, 1188, 1197, 6702, 6890, 16175, 16184, 16625, 16634	\SetatBoolean 2774	
\sectfont 16040	\setbaselineskip . . 3155	
	\SetBoolean 2758	
	\setboolean 4644, 4645, 4647, 4649, 4654, 4655, 4659, 4660, 4731, 4735, 4738, 4743, 4745, 4749, 4751, 5129, 5753, 5754, 5755, 6012, 6013, 6014, 6039, 6040	
	\setbox . . . 387, 1413, 1415, 1416, 1472,	



11038,	11041,	18429,	18807,	.....	21114
11054,	11074,	19050,	19098,	\setdefaultmarginpar	
11077,	11091,	19139,	19189,	.....	21657
11142,	11182,	19259,	20577,	\setDefaults	..... 12313
11187,	11543,	20580,	20585,	\setfloatalignment	4803
11557,	11571,	20589,	20593,	\setfootnoteLR	... 11474
11590,	11781,	20597,	20601,	\setfootnoteRL	... 11472
11790,	11794,	20605,	20609,	\setkeys	..... 1660,
11818,	11832,	20613,	20864,	7229, 7246, 8587,	
11902,	11909,	20872,	20977,	8593, 8595, 12143,	
11910,	11926,	21029,	21039,	12187, 12315,	
11951,	11958,	21069,	21070,	13375, 13413,	
11959,	11975,	21254,	21280,	15597, 15661,	
12026,	12038,	21379,	21382,	17080, 17125, 20757	
12072,	12074,	21383,	21397,	\setlatin	..... 1566
12085,	12110,	21426,	21429,	\setlength	..... 511,
12135,	12144,	21430,	21444,	528, 664, 688,	
12151,	12152,	21473,	21475,	890, 908, 945,	
12197,	12198,	21489,	21491,	946, 947, 948, 949,	
13967,	13976,	21502,	21546,	1147, 1172, 2132,	
14035,	14040,	21549,	21590,	2133, 2134, 2336,	
14043,	14052,	21593,	21621,	2337, 2339, 2340,	
14098,	14130,	21635, 21653, 21719		2342, 2343, 2345,	
14136,	14910,	\setcaptionfont	... 4723	2346, 2348, 2349,	
14913,	14914,	\setchapterpreamble		2351, 2352, 2354,	
14936,	14941,	.....	18018, 18701	2355, 2356, 2361,	
14951,	14969,	\setcitationfont	.. 5358	2362, 2400, 2401,	
14974,	15010,	\setcounter	. 436, 471,	2403, 2404, 2405,	
15013,	15014,	746, 778, 822, 998,		2406, 2464, 2473,	
15036,	15041,	1030, 1074, 1248,		2474, 2477, 2479,	
15051,	15069,	1280, 1324, 1994,		2482, 2483, 2485,	
15074,	15105,	5431, 5450, 5469,		2488, 2554, 2564,	
15186,	15202,	5501, 5751, 6263,		2565, 2566, 4668,	
15768,	15782,	6541, 6756, 6788,		4695, 4696, 4697,	
15785,	15804,	6933, 6965, 7052,		4698, 4719, 4725,	
15805,	15811,	7087, 8813, 8846,		4726, 4759, 4762,	
15812,	15823,	8908, 8943, 10913,		4766, 4812, 4864,	
15825,	15827,	10946, 11242,		4865, 5366, 5367,	
15829,	15832,	13361, 13362,		5368, 5369, 5375,	
15834,	15836,	14782, 15556,		5617, 5910, 5911,	
15838,	15848,	15577, 16298,		5912, 5913, 5914,	
15850,	15859,	16330, 16374,		5915, 5916, 5917,	
15861,	15876,	16437, 16469,		5919, 5920, 5922,	
15878,	15886,	16515, 16719,		5925, 5926, 5927,	
15888,	15897,	16759, 16906,		5928, 6145, 6146,	
15978,	15979,	16941, 17258,		6664, 6686, 6841,	
16009,	16027,	17349, 17462,		6863, 7127, 7142,	
17161,	17171,	17535, 17536,		7413, 8152, 8156,	
17182,	17189,	17807, 17898,		8158, 8161, 8569,	
17544,	18124,	18042, 18115,		8714, 8729, 9304,	
18381,	18387,	18116, 18506,		9307, 9344, 10819,	
18393,	18399,	18597, 18725,		10833, 11588,	
18405,	18411,	18798, 18799, 19702		12129, 12237,	
18417,	18423,	\setdefaultbibitems		12238, 12244,	



12245,	12247,	21048, 21060, 21077	\shadowbox 8683
12248,	12317,	\setRTLbibitems . . 21112	\shadowsize 8693, 8697,
12318,	12330,	\setRTLcitationfont 5360	8698, 8701, 8702, 8705
12334,	12336,	\setRTLmain 1879	\shipout 11212,
12338,	12342,	\setRTLmarginnotefont	12049, 12059, 21677
12344,	13367,	. . . . . 5357	\shortauthors
13368,	13369,	\setRTLmarginpar . 21655	. . . 115, 116, 121,
13370,	13409,	\setRTLsidenotefont 5354	13316, 13317, 13322
13416,	13417,	\setRTLtable 1571	\shortcite 15499
13418,	13430,	\setsidenotefont . . 5352	\shorttitle
13431,	13454,	\setSingleSpace 9250, 9255	. . . 114, 115, 121,
13459,	13462,	\setspace@singlespace	13315, 13316, 13322
14019,	15596,	. . . 5562, 5580, 5598	\showbox 11855
16210,	16232,	\setthesection . . . 14799	\showgrid@s 15997
16582,	16604,	\settodepth 15592	\showoutput 11855
16811,	16981,	\settoheight . 8566, 15593	\sidecaptionsep 19022,
16996,	17217,	\settowidth 89,	19023, 21882,
17541,	17567,	292, 575, 710, 973,	21886, 21891,
17766,	18121,	1223, 2468, 6711,	21893, 21897, 21899
18147,	18465,	6899, 7208, 8154,	\sidenote 5428,
18804,	18830,	8611, 8770, 9041,	5482, 5520, 5615, 5706
19305,	19306,	10878, 13253,	\sidenotes 5525
19354,	19355,	13456, 15595,	\sideways 17187
19357,	19726,	16262, 16656,	\sigindent 18441
19730,	19731,	16850, 17053,	\sixcolumnfootnotes 9862
19733,	19734,	17455, 18035,	\sixt@n 2274, 2296
19736,	19737,	18380, 18386,	\size@chapter 16040
19739,	19740,	18392, 18398,	\skip . 1609, 1894, 6469,
19742,	19743,	18404, 18410,	6470, 8263, 8320,
19903,	20011,	18416, 18422,	9332, 9357, 9365,
20356,	21178, 21181	18428, 18718,	9373, 9387, 9403,
\setLR 15985, 21078		19385, 20542, 20544	9406, 9411, 10494,
\setLTR 15946,		\setupL@lbox 13408, 13415	10496, 10498,
15947, 15960,		\Setversedim	10500, 10556,
15985, 15986,		. . . 6276, 6280, 6306	10558, 10560,
21046, 21047,		\SetWatermarkText . 8484	10562, 10728,
21060, 21078, 21079		\sevendcolumnfootnotes	10737, 10760,
\setLTRbibitems . . 21113		. . . . . 9971	10773, 11606,
\setLTRcitationfont 5359		\sf 18381, 18387,	11892, 11893,
\setLTRmarginnotefont		18393, 18399,	11904, 11906,
. 5356		18405, 18411,	11953, 11955,
\setLTRmarginpar . 21656		18417, 18423, 18429	12009, 12014,
\setLTRsidenotefont 5353		\sf@size 13284	12077, 12088,
\setLTRtable 1572		\sfcode 93,	12095, 12129,
\setmarginnotefont 5355		296, 586, 718, 981,	15319, 15325,
\setnonlatin 1567		1231, 6719, 6907,	15329, 15334,
\setparsizes . . 17275,		7219, 8778, 9052,	15338, 15400,
17387, 17824,		10886, 13257,	15404, 15966,
17936, 18523, 18635		15497, 16270,	15972, 21478,
\setRL 15984, 21077		16664, 16861,	21494, 21505, 21513
\setRTL . 15945, 15948,		17064, 17472,	\skip@ 311, 312
15960, 15984,		18052, 18735, 19396	\sloppy 42, 56,
20699, 20739,		\sh@wgridXunit . . . 15998	72, 92, 245, 259,
20773, 21045,		\sh@wgridYunit . . . 15998	274, 295, 582, 717,



980, 1230, 2573, 6718, 6906, 7215, 8777, 9048, 10885, 11887, 13256, 14115, 15496, 16120, 16269, 16663, 16857, 17060, 17471, 18051, 18734, 19392	\slshape ... 655, 883, 1138, 2520, 6655, 6832, 8054, 8055, 8145, 8146, 8148, 16201, 16573, 16787	\small .. 413, 638, 737, 944, 989, 1197, 1239, 2019, 2434, 2524, 2529, 2559, 5892, 5893, 5958, 5966, 5971, 5990, 6747, 6924, 7029, 8792, 8885, 10892, 16184, 16289, 16426, 16634, 16686, 16883, 17261, 17810, 18509	\smallcaps 6246, 6247, 6248	\smallskip 15418, 15423, 15430, 15439, 15450, 15455, 15460, 15467, 15474, 15481, 16037	\smash 4920, 4925, 4936, 4937, 4940, 4941, 5148, 8212, 8233, 11719, 13490, 15982, 21073, 21075	\SOUL@apo 19044	\SOUL@comma 19043	\SOUL@do 19046	\SOUL@eventuallyexhyphen 19033	\SOUL@grave 19045	\SOUL@ignorespacesfalse 19037	\SOUL@lasttoken .. 19040	\SOUL@lowerthan .. 19030	\SOUL@minus 19042	\SOUL@postamble .. 19047	\SOUL@preamble ... 19039	\SOUL@soeventuallyskip 19034	\SOUL@spaceskip .. 19035	\SOUL@start 19028	\SOUL@ulcolor . 19059, 19065, 19071, 19079	\SOUL@uldp 19071	\SOUL@uleveryspace 19073	\SOUL@ulht 19071	\SOUL@ulleaders 19059, 19065, 19081	\SOUL@uloverlap .. 19052	\SOUL@ulunderline 19049	\SOUL@word 19041	\soulomit 19032	\space 1504, 3338, 3481, 3595, 3609, 3623, 3633, 4316, 4503, 4505, 4516, 4518, 4521, 4984, 4989, 4990, 5123, 5124, 6983, 7178, 7749, 7751, 7773, 7775, 9010, 10848, 11755, 11763, 11764, 11788, 11796, 13393, 13425, 13426, 14486, 15192, 15194, 15195, 15196, 15197, 15363, 15370, 16005, 17031, 17074, 17117, 17326, 17477, 17875, 18057, 18574, 18740, 19209, 19211, 19268, 20093, 20095, 20661, 21344, 21626	\spacefactor ... 5541, 5546, 5552, 5555	\spaceskip . 19077, 19082	\speci@ls .. 15381, 15388	\special 1631, 1805, 1814, 1908, 1934, 1983, 15979, 19265, 19266, 19270, 19271, 19273, 21070	\spinemargin ... 8497, 8499, 8503, 8507	\split@prev 11431, 11439, 11444	\splitbotmark 11792	\splitfirstmark 7567, 7630, 11044, 11080, 11791, 11913, 11962, 14917, 15017, 21386, 21433	\SplitFootnoteRule 1702, 11430	\splitfootnoterule 11434, 11442	\splitmaxdepth 40, 54, 70, 243, 257, 272, 7561, 7624, 9349, 11039, 11075, 11486, 11503, 11519, 11907, 11956, 14911, 15011, 21380, 21427	\splittopskip . 40, 54, 70, 243, 257, 272, 9348, 9420, 9424, 9534, 9535, 9539, 9540, 9637, 9638, 9642, 9643, 9746, 9747, 9751, 9752, 9855, 9856, 9860, 9861, 9964, 9965, 9969, 9970, 10073, 10074, 10078, 10079, 10182, 10183, 10187, 10188, 10291, 10292, 10296, 10297, 10400, 10401, 10405, 10406, 11485, 11502, 11518, 11786, 11787, 15778	\stepcounter ... 3651, 3657, 3665, 3671, 5439, 5458, 5477, 5509, 5629, 5658, 5687, 6439, 11241, 11312, 11382, 11452, 11461, 12980, 13934, 15551, 15555, 15572, 15576, 17071, 17114, 21749	\stopbreaks .. 9071, 18440	\str 14198, 14249, 14321, 14339, 14401, 14425, 14430, 14504,
---	--	--	-----------------------------	--	--	-----------------------	-------------------------	----------------------	---	-------------------------	--	--------------------------	--------------------------	-------------------------	--------------------------	--------------------------	---------------------------------------	--------------------------	-------------------------	---	------------------------	--------------------------	------------------------	--	--------------------------	-------------------------	------------------------	-----------------------	---	--	---------------------------	---------------------------	---	--	--	--------------------------	---	---	--	--	--	---	----------------------------	--



14535, 14548,	2049, 9079, 9487,	18149, 18150,
14570, 14624, 14656	9490, 9493, 9593,	18832, 18833,
\stretch 1474,	9596, 9599, 9699,	19099, 19100,
1477, 7339, 7342	9702, 9705, 9808,	19135, 21281, 21282
\string 359,	9811, 9814, 9917,	\subfig@oldlabel . .
1384, 1729, 1733,	9920, 9923, 10026,	. . . . . 4854, 4856
2616, 2652, 2658,	10029, 10032,	\subfigure . . . 4853, 4860
2730, 2732, 2750,	10135, 10138,	\subitem
2751, 2754, 2755,	10141, 10244,	108, 228, 6001, 13273
2932, 2951, 2979,	10247, 10250,	\subjclass 324
3005, 3033, 3059,	10353, 10356,	\subject
3062, 3096, 3099,	10359, 10620,	. 17371, 17920, 18619
3183, 3184, 3190,	10624, 10628,	\subject@font . 17284,
3338, 3368, 3389,	14129, 17525,	17397, 17833,
3392, 3419, 3421,	17527, 17546,	17946, 18532, 18645
3481, 3554, 3601,	17548, 17551,	\subparagraph
3602, 3615, 3616,	17553, 17556,	. . . 5803, 5804, 5807
3627, 3628, 3639,	17560, 17562,	\subsection
3640, 3671, 3685,	17572, 17574,	. . . 2499, 5774, 5790
3686, 3687, 3688,	17579, 17583,	\subsectioncolour .
3692, 4316, 4325,	18105, 18107,	. . . . . 2425,
4329, 4335, 4346,	18126, 18128,	8019, 8027, 8034,
4503, 4505, 4516,	18131, 18133,	8041, 8048, 8118,
4518, 4519, 4520,	18136, 18140,	8124, 8130, 8136, 8142
4521, 4523, 5123,	18142, 18152,	\subsectionfont 2433,
5124, 7375, 7378,	18154, 18159,	2441, 8057, 8150
7396, 7399, 10449,	18163, 18443,	\subsectionstyle . .
10451, 11759,	18788, 18790,	. . . . . 2441, 2500
11760, 11761,	18809, 18811,	\subsubitem
11762, 11763,	18814, 18816,	109, 229, 6002, 13274
11885, 12219,	18819, 18823,	\subsubsection
12220, 16130,	18825, 18835,	. . . 5794, 5795, 5798
16131, 17326,	18837, 18842,	\subtable 4860
17477, 17479,	18846, 19316, 19321	\supereject 1948
17485, 17875,	\strutbox 40, 54,	\symbol 2062, 2072
18057, 18059,	70, 243, 257, 272,	\sys 14419
18065, 18574,	385, 389, 7830,	
18740, 18742,	9141, 9147, 9153,	T
18748, 19235,	9349, 9534, 9539,	\t@cb@bchapsec . . . 19377
20660, 20917,	9637, 9642, 9746,	\tabcaption . 12366, 12384
20964, 21344, 21364	9751, 9855, 9860,	\tabcolsep 379, 1356,
\strip@prefix . 3389, 3402	9964, 9969, 10073,	13964, 16551, 21084
\strip@pt . 2849, 3156,	10078, 10182,	\tablinesep 19132
8433, 8436, 8441,	10187, 10291,	\tabskip . . 395, 6449,
8444, 10507, 10569	10296, 10400,	13978, 13979,
\stripsep . 7612, 7671,	10405, 10489,	19105, 19143, 21287
7687, 7694, 7914,	10551, 11486,	\tabular 19204
7926, 7940, 14945,	11493, 11503,	\tabularnewline 404,
14947, 14954,	11510, 11519,	13948, 19107, 21289
15045, 15047,	11526, 11553,	\tabularx 19195
15054, 15116,	11567, 11581,	\tabularxcolumn . . 19157
15119, 15121, 15128	13953, 13969,	\tagform@ 336
\strut 46, 60,	14006, 14131,	\tmark 14765
76, 249, 263, 278,	17569, 17570,	\tcb@icolorbox . . 19293



<code>\tcb@vbox</code>	19280	12268, 12273,	1343, 1995, 6054,
<code>\tcd</code>	15775, 15782, 15783	12279, 14103,	6055, 6056, 6057,
<code>\tcdsav</code>	15775	14975, 14983,	6060, 6067, 6068,
<code>\tcl</code>	15799, 15800, 15806	15075, 15106,	6084, 6085, 6100,
<code>\tcn</code> 15783, 15784, 15806,		15266, 15301,	6101, 6112, 6751,
15807, 15808, 15809		15302, 15305,	6763, 6789, 6928,
<code>\Telefon</code>	2414	15306, 15309,	6940, 6966, 7033,
<code>\tencolumnfootnotes</code>		15310, 15314,	7053, 7088, 7107,
.	10298	15317, 17277,	8796, 8814, 8847,
<code>\TeX</code>	13146, 15961,	17305, 17309,	8864, 8889, 8909,
15962, 15983,		17389, 17826,	8944, 8963, 10896,
21061, 21062, 21074		17854, 17858,	10914, 10947,
<code>\textbf</code>		17938, 18440,	10964, 14752,
2527, 5947, 11732,		18525, 18553,	16293, 16305,
11734, 11736, 11738		18557, 18637,	16331, 16342,
<code>\textbullet</code>	2411,	21398, 21406,	16343, 16352,
8011, 8075, 8109		21445, 21723, 21739	16375, 16392,
<code>\textcolor</code>		<code>\textwidth@footnoterule</code>	16430, 16444,
8682, 8697, 8701,		. . . . .	16470, 16483,
8704, 11722, 13397		. . . . .	16484, 16493,
<code>\textdef@</code>	345	. . . . .	16516, 16536,
<code>\textdir</code>	14664	. . . . .	16690, 16720,
<code>\textendash</code>	743, 995,	. . . . .	16760, 16778,
1058, 1245, 6753,		. . . . .	16887, 16907,
6930, 16295, 16434		. . . . .	16942, 16961,
<code>\textheight</code>	1968,	. . . . .	17265, 17350,
2375, 7595, 7654,		<code>\textwidthfootnoterule</code>	17381, 17814,
11895, 12317,		. . . . .	17899, 17930,
17079, 17124, 21748		. . . . .	18513, 18598, 18629
<code>\textit</code>	19762	<code>\TeXeTOff</code>	<code>\thankses</code>
<code>\textsf</code>	1646	<code>\TeXeTOOn</code>	<code>\the</code>
<code>\textsl</code>	5007, 5008, 5009	15895, 20974, 20976	124, 125,
<code>\textsuperscript</code>		15899, 20974, 20975	1372, 1466, 1467,
.	5554, 9300,	<code>\TeXeTstate</code>	1469, 1470, 1534,
9301, 9302, 17240,		15894, 20974, 20975	1642, 1860, 1919,
17789, 18359, 18488		<code>\TF@conlab</code>	1959, 1961, 1964,
<code>\texttt</code>	2072,	. . . . .	1966, 2205, 2207,
2136, 2138, 2139, 3674		. . . . .	2210, 2213, 2218,
<code>\textwidth</code> 1618, 1624,		<code>\TF@savecolor</code> 11721, 11726	2221, 2224, 2329,
1967, 2373, 2464,		<code>\TF@Title</code>	2665, 2667, 2668,
2473, 2474, 2486,		11724	2689, 2691, 2692,
2488, 4762, 4766,		<code>\thanklessauthor</code> 6055,	3353, 3687, 3782,
4865, 5166, 5167,		6088, 6091, 6128	3837, 3865, 3867,
6307, 7579, 7587,		<code>\thanklesspublisher</code>	3874, 3876, 3878,
7642, 7835, 7875,		. . . . .	3880, 3881, 3882,
7885, 8065, 8080,		. . . . .	3893, 3900, 3902,
8152, 8161, 8275,		. . . . .	3907, 3911, 3912,
8496, 8506, 8512,		. . . . .	3917, 3922, 3930,
8542, 9419, 10427,		. . . . .	3933, 3937, 3943,
11054, 11060,		. . . . .	4027, 4028, 4029,
11092, 11182,		. . . . .	4054, 4569, 4576,
11187, 11593,		. . . . .	4605, 5396, 5406,
11927, 11976,		. . . . .	5541, 5552, 6358,
11984, 12265,		. . . . .	6365, 6489, 6492,
		. . . . .	6495, 6499, 6502,



6505, 6610, 7225,	15029,	15046,	7166, 7167, 7168,
7230, 7274, 7335,	15053,	15059,	7178, 8994, 8996,
7566, 7568, 7629,	15129,	15192,	8998, 8999, 9000,
7631, 7711, 7731,	15194,	15195,	9010, 10848,
7737, 7741, 7748,	15196,	15197,	10978, 10984,
7749, 7750, 7751,	15198,	15490,	10986, 10988,
7752, 7753, 7773,	15660,	15676,	11276, 11278,
7775, 7784, 7788,	15680,	15683,	11280, 11281,
7811, 7812, 7813,	15708,	15732,	11282, 11289,
7815, 7816, 7817,	15739,	15746,	11291, 11293,
7818, 7851, 7915,	15900,	15901,	11294, 11295,
7927, 7939, 10493,	17087,	17097,	13634, 14790,
10555, 11043,	17106,	17133,	14799, 14801,
11045, 11079,	17145,	17155,	14802, 14803,
11081, 11310,	17462,	18042,	15531, 16043,
11325, 11326,	18725,	19128,	16274, 16280,
11329, 11330,	19129,	19159,	16282, 16284,
11333, 11386,	19178,	19180,	16639, 16645,
11390, 11444,	19204,	19209,	16647, 16649,
11617, 11631,	19211,	19212,	16834, 16836,
11748, 11755,	19215,	19216,	16838, 16839,
11759, 11760,	19219,	19222,	17016, 17018,
11761, 11762,	19223,	19226,	17020, 17021,
11763, 11764,	19334,	20091,	17022, 17031,
11772, 11778,	20094,	20096,	17975, 17977,
11785, 11786,	20172,	20443,	17991, 17993,
11788, 11793,	20446,	20447,	17999, 18001,
11795, 11796,	20449,	20451,	18007, 18009,
11810, 11836,	20455,	20460,	18673, 18685,
11866, 11867,	20464,	20475,	18689, 18693, 19418
11868, 11873,	20476,	20479,	\thecontentspage 5821,
11874, 11875,	20485,	20489,	5828, 5835, 5842, 5849
11885, 11912,	20497,	20498,	\thedata . 6050, 6058, 6104
11914, 11961,	20535,	20551,	\theenumiv 86,
11963, 12189,	20555,	20654,	89, 289, 292, 581,
12234, 12767,	20817,	20829,	716, 979, 1229,
12775, 12776,	20834,	20855,	2572, 6717, 6905,
12782, 12784,	20856,	20858,	7214, 8776, 9047,
12813, 12814,	20980,	20981,	10884, 13250,
12820, 12822,	21125,	21182,	13253, 16268,
12853, 12855,	21350,	21352,	16662, 16856,
12884, 12886,	21364,	21385,	17059, 17469,
12915, 12917,	21387, 21432, 21434		18049, 18732, 19391
13325, 13326,	\the@cornersize . . .	\theequation	
13423, 13425,	. . . . . 11000, 11001	. . . . . 6739, 6916,	
13469, 13471,	\thealgocf 168	7161, 8993, 10983,	
13476, 13478,	\theAlgoLine 21822	11275, 11288,	
13484, 13486,	\theBackrefHyperFootnoteCounter	13335, 14800,	
13491, 14023,	. . . . . 11651, 11657	16279, 16648,	
14026, 14614,	\thechapter 308,	16833, 17015,	
14916, 14918,	5763, 6734, 6740,	18005, 18692, 21769	
14929, 14946,	6742, 6744, 6911,	\thefigure 6741,	
14953, 14959,	6917, 6919, 6921,	6918, 7163, 8995,	
15016, 15018,	6983, 7162, 7164,	10985, 11277,	



11290, 14802,	5019, 6234, 6235,	\thesubsection . . 19,
16281, 16644,	6246, 6247, 6248,	20, 214, 215, 546,
16835, 17017,	7952, 7970, 15363,	547, 700, 701, 954,
17989, 18684, 19115	15370, 20861, 21626	955, 1213, 1214,
\theftodir@label .	\theparagraph . . . 21,	5777, 6735, 6736,
. . 11310, 11313,	22, 216, 217, 548,	6912, 6913, 7169,
11342, 11347,	549, 702, 703, 956,	7170, 8878, 8879,
11365, 11368, 11388	957, 1215, 1216,	9001, 9002, 10979,
\thefootnote . . . 453,	5784, 6737, 6738,	10980, 11283,
745, 804, 997,	6914, 6915, 7171,	11284, 11296,
1056, 1247, 1306,	7172, 8880, 8881,	11297, 13307,
1986, 6755, 6932,	9003, 9004, 10981,	13308, 14791,
7069, 8828, 8925,	10982, 11285,	14794, 16275,
10928, 12667,	11286, 11298,	16276, 16640,
16297, 16356,	11299, 13309,	16641, 16840,
16436, 16497,	13310, 14795,	16841, 17023,
16693, 16736,	14798, 16277,	17024, 17425,
16923, 17268,	16278, 16642,	17427, 17981,
17332, 17817,	16643, 16842,	17983, 18676, 18678
17881, 18516, 18580	16843, 17025,	\thesubsubsection 20,
\thefootnotemark . .	17026, 17429,	21, 215, 216, 547,
. 17240,	17431, 17985,	548, 701, 702,
17789, 18359, 18488	17987, 18680, 18682	955, 956, 1214,
\theHchapter 15531	\thepart	1215, 6736, 6737,
\theHsection 15539, 15541	. 553, 561, 8740, 8748	6913, 6914, 7170,
\theindex . 98, 218, 13263	\ther@tfl@t . . . 17072,	7171, 8879, 8880,
\thelstlisting 13605,	17073, 17115, 17116	9002, 9003, 10980,
13610, 13633, 13636	\thesection 19,	10981, 11284,
\thempfn	214, 546, 700, 954,	11285, 11297,
2230, 2238, 2246,	1213, 5770, 6734,	11298, 13308,
5630, 5636, 5659,	6735, 6911, 6912,	13309, 14793,
5665, 5688, 5694,	7168, 7169, 8878,	14796, 16276,
6510, 6517, 6524,	9000, 9001, 10978,	16277, 16641,
11453, 11458,	10979, 11282,	16642, 16841,
11462, 11467,	11283, 11295,	16842, 17024,
11595, 11621,	11296, 13307,	17025, 17426,
11626, 11636,	14790, 14792,	17429, 17982,
11641, 12634,	15539, 15541,	17985, 18677, 18680
12645, 12656,	16274, 16275,	\thetable 6743,
12786, 12824,	16639, 16640,	6920, 7165, 8997,
12857, 12888,	16839, 16840,	10987, 11279,
12919, 12981, 14161	17022, 17023,	11292, 14803,
\thempfootnote	17425, 17973,	16283, 16646,
. 11595, 14161	17981, 18672, 18676	16837, 17019,
\theorem@indent 15565,	\thesubparagraph . .	17997, 18688, 19116
15566, 15585, 15586	. . . 22, 217, 549,	\TheTokenList 3891
\theorem@prework . 15559	703, 957, 1216,	\thinlines 7425,
\theorem@postskipamount	6738, 6915, 7172,	7435, 7448, 7458,
. 15560, 15580	8881, 9004, 10982,	7471, 7481, 7494, 7504
\theorem@preskipamount	11286, 11299,	\thispagestyle . 101,
. 15563, 15583	13310, 14797,	113, 221, 469,
\thepage . . 1957, 1962,	16278, 16643,	601, 616, 820, 865,
2549, 4895, 5007,	16843, 17026,	1072, 1117, 1322,
5008, 5009, 5018,	17430, 17986, 18681	6135, 6157, 6178,



6634, 6811, 7022,	16550, 16551, 16556	14449, 14452,
7085, 8844, 8941,	\titlefont 2429,	14453, 14466,
9058, 9061, 10944,	2437, 8145, 17287,	14468, 14469,
13266, 13314,	17400, 17836,	14470, 14471,
13338, 13341,	17949, 18535, 18648	14472, 14473,
14780, 16162,	\titleformat ... 5760,	14474, 14483,
16372, 16417,	5767, 5774, 5781	14486, 14490,
16513, 16757,	\titlehead	14491, 14492,
16877, 16939,	. 17370, 17919, 18618	14495, 14509,
17273, 17346,	\titlepage 627,	14515, 14528,
17822, 17895,	934, 1186, 6700,	14533, 14537,
18521, 18594, 19450	6888, 16173, 16623	14558, 14566,
\thm@topsepadd 15560,	\titlepagestyle ...	14567, 14592,
15561, 15564,	. 17346, 17895, 18594	14596, 14597,
15580, 15581, 15584	\titlespacing	14598, 14611,
\thr@@ 356, 372,	... 5788, 5789, 5790	14683, 14684,
1381, 1399, 1423,	\titlestyle ... 2437, 8176	14692, 14693,
1432, 9638, 9643,	\tl 14181, 14189,	14694, 14695,
15354, 15372,	14194, 14196,	14705, 14706,
19035, 19232, 19252	14197, 14198,	14707, 14712,
\threecolumnfootnotes	14199, 14201,	14717, 14719,
..... 9541	14202, 14204,	14722, 14723,
\tiny 2032, 5532, 5904	14207, 14211,	14728, 14729,
\title 320, 445, 481, 785,	14220, 14224,	14734, 14746, 14747
830, 1037, 1082,	14227, 14232,	\tmpcount 4081, 4107
1287, 1332, 2002,	14237, 14245,	\toaddress .. 9067, 13347
2451, 2490, 6049,	14247, 14248,	\toc@headstar 19440, 19445
6064, 6795, 6972,	14249, 14250,	\tocbasic@DependOnPenaltyAndTOCLevel
7061, 7097, 8820,	14252, 14254,	..... 20035
8854, 8917, 8953,	14256, 14257,	\tocbasic@SetPenaltyByTOCLevel
10920, 10954,	14259, 14265,	..... 20119
16337, 16382,	14269, 14272,	\TOCEntryStyleStartInitCode
16478, 16525,	14273, 14276,	.. 17649, 17662,
16728, 16769,	14283, 14288,	17681, 18229,
16915, 16951,	14296, 14299,	18242, 18261,
17368, 17917, 18616	14300, 14301,	18912, 18925, 18944
\TitleBarFrame	14302, 14303,	\toclevel@subfigure
.. 11713, 11732,	14306, 14312,	..... 19652
11734, 11736, 11738	14313, 14314,	\toclevel@subtable 19672
\titlecolour .. 2420, 8112	14319, 14321,	\TOCLineLeaderFill
\titlecontents . 5816,	14328, 14332,	..... 17666,
5823, 5830, 5837, 5844	14337, 14339,	17683, 18246,
\TitleFont 734,	14341, 14343,	18263, 18929,
750, 841, 843, 849,	14362, 14368,	18946, 20136, 20397
986, 1002, 1093,	14369, 14370,	\tocstyle@@numberline
1095, 1101, 1236,	14371, 14372,	..... 20542,
1252, 1344, 1346,	14384, 14387,	20544, 20562,
1352, 1355, 1356,	14390, 14392,	20564, 20567, 20569
1361, 6760, 6937,	14416, 14417,	\tocstyle@activate@all@1
16286, 16302,	14419, 14428,	..... 20655
16393, 16395,	14431, 14432,	\tocstyle@activate@features
16401, 16423,	14433, 14434,	..... 20432
16441, 16539,	14435, 14436,	\tocstyle@dottedtocline
16541, 16547,	14438, 14444,	..... 20419



\tocstyle@feature@dothook	20498, 20547,	\topmark	.. 7565, 7574,
..... 20518	20549, 20550, 20554		7628, 7637, 11042,
\tocstyle@feature@entryhook	today 6058		11051, 11078,
..... 20514	\toks 122,		11087, 11911,
\tocstyle@feature@entryvskip	124, 1466, 1467,		11920, 11960,
..... 20433, 20436	1469, 1470, 5389,		11969, 14915,
\tocstyle@feature@leaders	5390, 5396, 7335,		14924, 15015,
..... 20516, 20521	11791, 11792,		15024, 21384,
\tocstyle@feature@pagenumberbox	11793, 13323, 13325		21393, 21431, 21440
..... 20524, 20527	\toks@ 121, 125,	\topsep	... 2114, 2123,
\tocstyle@feature@pagenumberhook	1629, 1642, 1906,		2564, 4688, 5898,
..... 20525, 20527	1919, 4601, 4605,		5940, 14812, 14814
\tocstyle@feature@parfillskip	7565, 7566, 7567,	\topskip	301, 1980, 7729,
..... 20504, 20505	7568, 7628, 7629,		11797, 11799,
\tocstyle@feature@raggedhook	7630, 7631, 11042,		11804, 14818,
..... 20440	11043, 11044,		15109, 19416,
\tocstyle@feature@spaceafternumber	1045, 11078,		19422, 19427,
..... 20541,	11079, 11080,		19434, 19439, 19444
20545, 20566, 20570	11081, 11911,	\TOTALHEIGHT	19264, 19268
\tocstyle@indentstyle	11912, 11913,	\totalheight	..... 12216
..... 20491, 20561	11914, 11960,	\tovalue	.....
\tocstyle@l@define	11961, 11962,		3965, 4052, 4060,
.. 20578, 20581,	11963, 12186,		4091, 4104, 4110, 4111
20586, 20590,	12189, 12223,	\tracingmacros	.... 4080
20594, 20598,	12225, 12229,	\traditionalconnverses	
20602, 20606,	12231, 12234,	...	6296, 6319, 6335
20610, 20614, 20646	12764, 12767,	\traditionalhalfverses	
\tocstyle@macrochangewarning	13322, 13326,	.....	6285,
..... 20634, 20641	14915, 14916,		6289, 6296, 6329
\tocstyle@numberline	14917, 14918,	\traditionalpoem	.. 6531
..... 20420, 20539	15015, 15016,	\traditionalpoem@cr	
\tocstyle@samed@dottedtocline	15017, 15018,	...	6409, 6458, 6459
..... 20636	19178, 19198,	\traditionalpoem@obeylines	
\tocstyle@samed@numberline	19204, 21384,	.....	6339, 6531
..... 20644	21385, 21386,	\traditionalpoem@par	
\tocstyle@depth	21387, 21431,	...	6339, 6340, 6458
20431,	21432, 21433, 21434	\trimb	..... 5391, 5398
20443, 20455,	\tolerance	.....	5400
20475, 20476,	9483, 9589, 9695,	\trivlist	.....
20479, 20497,	9804, 9913, 10022,	..	11133, 15562, 15582
20498, 20547,	10131, 10240, 10349	\ttdefault	... 8051, 8143
20549, 20551, 20555	\toname	.....
\tocstyle@TOC	..... 9067, 13347	\ttfamily	.....
.. 20443, 20446,	\topheight	.....	2019, 2059, 2060,
20447, 20449,	.. 15787, 15789,		2062, 2063, 2064,
20451, 20455,	15790, 15791,		2065, 2066, 2067, 2068
20456, 20458,	15793, 15799,	\ttl@a	..... 19339, 19341
20459, 20463,	15801, 15803,	\ttl@b	..... 19334,
20467, 20468,	15804, 15805,		19335, 19339, 19341
20471, 20472,	15868, 15869,	\ttl@beginlongest	19309
20475, 20476,	15870, 15871,	\ttl@calc	.. 19304, 19316
20479, 20481,	15875, 15876, 15880	\ttl@changecentercr	
20483, 20484,	\topins	.....	19308
20488, 20493,	\topmargin	1972, 2374,	\ttl@contentsstretch
20494, 20497,	8538, 11226, 21715		..... 19346



<code>\ttl@corr</code>	<code>\twocolumn</code> 462,	<code>\TX@xRTLftntext</code> . . .
. 19361, 19362, 19365	598, 614, 813, 863,	. . . . . 19176, 19225
<code>\ttl@endlongest</code> . . 19324	1065, 1115, 1315,	<code>\typeout</code> 1533,
<code>\ttl@filleft</code> 19298, 19327	1956, 6632, 6809,	1535, 4891, 4893,
<code>\ttl@filright</code> 19299, 19328	7019, 7078, 7951,	4894, 4895, 4897,
<code>\ttl@glcmds</code> 19311	8837, 8934, 10937,	4899, 4900, 4901,
<code>\ttl@hmode@error</code> . 19310	14771, 16160,	11320, 16019,
<code>\ttl@leaders</code> 19363	16365, 16415,	20443, 20455,
<code>\ttl@lselect</code> 19370, 19373	16506, 16750,	20475, 20476,
<code>\ttl@makeline</code> 19304, 19359	16874, 16932,	20479, 20497, 20498
<code>\ttl@margin</code> . 19358, 19364	17339, 17888,	
<code>\ttl@midlongest</code> . . 19323	18587, 19416,	
<code>\ttl@outnoblock</code> . . 19337	19422, 19427,	
<code>\ttl@savel@chapter</code> 19372	19434, 19439, 19444	
<code>\ttl@savel@part</code> . . 19369	<code>\twocolumnfootnotes</code> 9432	
<code>\tlh@hang</code> 19303	<code>\TX@</code> 19155,	
<code>\turn</code> 17159	19156, 19184, 19185	
<code>\turnbox</code> 17180	<code>\TX@align</code> . . 19208, 19210	
	<code>\TX@arith</code> 19170	
	<code>\TX@ckpt</code> . . . 19160, 19206	
	<code>\TX@col@width</code> . 19157,	
	19163, 19168, 19211	
	<code>\TX@cols</code>	
	. 19164, 19168, 19212	
	<code>\TX@endtabularx</code> 12753,	
	12764, 12770, 19153	
	<code>\TX@find@endtabularxa</code>	
	. . . . . 19155, 19156	
	<code>\TX@find@endtabularxb</code>	
	. . . . . 19185	
	<code>\TX@find@endtabularxbb</code>	
	. . . . . 19183	
	<code>\TX@ftn</code> . 19180, 19215,	
	19217, 19219,	
	19222, 19224, 19226	
	<code>\TX@ftntext</code> 19174	
	<code>\TX@LTRftntext</code>	
	. . . . . 19175, 19214	
	<code>\TX@newcol</code> 19157	
	<code>\TX@old@table</code> 19162	
	<code>\TX@RTLftntext</code>	
	. . . . . 19176, 19221	
	<code>\TX@target</code> . 19163, 19177	
	<code>\TX@trial</code>	
	. 19167, 19172, 19188	
	<code>\TX@trial@ftn</code>	
	. 19191, 19192, 19193	
	<code>\TX@typeout@</code> 19165, 19207	
	<code>\TX@verb</code> 19158	
	<code>\TX@vwarn</code> 19194	
	<code>\TX@xftntext</code> 19174	
	<code>\TX@xLTRftntext</code>	
	. . . . . 19175, 19218	
		U
		<code>\uc@authornothanks</code>
		. . 762, 791, 796,
		1014, 1043, 1048,
		1264, 1293, 1298,
		6772, 6949, 16314,
		16343, 16348,
		16453, 16484, 16489
		<code>\uc@ax</code> 792,
		793, 1044, 1045,
		1294, 1295, 16344,
		16345, 16485, 16486
		<code>\uc@nothanks</code>
		. . 753, 790, 791,
		800, 1005, 1042,
		1043, 1052, 1255,
		1292, 1293, 1302,
		6763, 6940, 16305,
		16342, 16343,
		16352, 16444,
		16483, 16484, 16493
		<code>\uc@tx</code> 790,
		798, 1042, 1050,
		1292, 1300, 16342,
		16350, 16483, 16491
		<code>\uc@ty</code> 799,
		800, 1051, 1052,
		1301, 1302, 16351,
		16352, 16492, 16493
		<code>\undefined</code> 4407, 6483,
		6537, 6540, 6542,
		17530, 17532,
		17534, 18110,
		18112, 18114,
		18793, 18795, 18797
		<code>\underline</code> . 21259, 21267
		<code>\undertext</code> 21267
		<code>\unexpanded</code> 3211,
		3220, 3221, 3228,
		3229, 3242, 3243,
		3250, 3251, 3352, 3473
		<code>\unhbox</code> 1496,
		6364, 6622, 7361,



10410,	10433,	1449, 1450, 4945,	11609,	11614,
10442,	10445,	4948, 4951, 4954,	11784,	11794,
10687,	10691,	5644, 5673, 5702,	11821,	11909,
10697,	10701,	6391, 6402, 7257,	11958,	12030,
10707,	10710,	7563, 7626, 7699,	12032,	12076,
10716,	10719,	7709, 9382, 10411,	12081,	12087,
13189,	13194,	10412,	12091,	12098,
13222,	13227,	11909,	12114,	14035,
13239,	13244,	14088,	14040,	14049,
21189,	21310,	14133,	14052,	14136,
21311, 21312, 21313		15013,	14154,	14913,
\unhcopy	13205, 13210,	17174,	14942,	14944,
	19055, 19067, 19143	17527,	14952,	14970,
\unhskip	..... 3884	17553,	14972,	15013,
\unitindent	.... 637,	18107,	15042,	15044,
	648, 649, 651,	18133,	15052,	15070,
	725, 731, 875,	18790,	15072,	15127,
	876, 878, 944, 945,	18816,	15825,	15829,
	947, 948, 960, 965,	21382, 21429, 21658	15834,	15838,
	1059, 1131, 1132,	\untilcondition	15850,	15861,
	1134, 1196, 1205,		3980, 4064, 4107	15881,
	1211, 6648, 6649,	\unvbox	7271, 7272, 7526,	15884,
	6651, 6726, 6732,		7529, 7546, 7550,	15889,
	6825, 6826, 6828,		7563, 7613, 7626,	15963,
	6879, 6885, 16183,		7672, 7697, 7712,	15964,
	16194, 16195,		7735, 7739, 7829,	15973,
	16197, 16248,		7858, 7912, 7923,	21189,
	16254, 16566,		7936, 7986, 8217,	21382,
	16567, 16569,		8220, 8221, 8238,	21429,
	16633, 16671, 16677		8241, 8242, 8267,	21477,
\unitlength	.....		8274, 8279, 8284,	21493,
	7425, 7435, 7448,		8324, 8329, 8333,	21497,
	7458, 7471, 7481,		8338, 9199, 9210,	21504, 21509, 21516
	7494, 7504, 15596		9221, 9314, 9335,	\unvcopy
\unkern	.. 5553, 7699, 7709		9390, 9396, 9431,	.. 7698, 7736,
\unpenalty	.... 7260,		9496, 9508, 9521,	7740, 7768, 7774,
	7699, 7709, 10413,		9602, 9613, 9625,	7778, 7786, 8261, 8318
	10430, 10439, 11821		9708, 9720, 9733,	\uppercase
\unrestored@protected@xdef			9817, 9829, 9842,	.... 308,
	..... 2230,		9926, 9938, 9951,	770, 790, 1022,
	2238, 2246, 5636,		10035,	1042, 1272, 1292,
	5665, 5694, 6510,		10060,	6780, 6957, 16322,
	6517, 6524, 11458,		10144,	16342, 16461, 16483
	11467, 11626,		10156,	\uppercasenonmath
	11641, 12634,		10253,	..
	12645, 12656, 12667		10278,	..... 114, 13315
\unsetfootnoteRL	..		10374,	\uppermargin
	..... 11473, 11474		10408,	..... 8510
\unsetLTR	.. 15948, 21048		10639,	\uppertitleback
\unsetRL	... 15986, 21079		10658,	..
\unsetRTL	.. 15947, 21047		10672,	.. 17373, 17922, 18621
\unskip	..... 46,		10684,	\upshape
	60, 76, 249, 263,		10694,	.....
	278, 336, 1448,		10704,	5821, 5828, 5835,
			10713,	5842, 5849, 8052,
			10749,	8056, 8057, 8144,
			10757,	8149, 8150, 16038
			10771,	\urlstyle
			10777,	..... 2393
			11544,	\use
			11558,	..... 14312
				\usebox
				... 2099, 2109,
				4786, 4918, 4920,
				4925, 4927, 4936,
				4937, 4940, 4941,
				5148, 8628, 8631,
				8639, 8646, 8654,



8661, 8704, 12324,	18255, 18493,	5176, 5178, 6351,
12328, 12411,	18500, 18537,	7265, 7270, 7348,
12413, 12417,	18650, 18916,	7526, 7529, 7546,
12419, 12424,	18919, 18935, 18938	7550, 7563, 7578,
12426, 12430,	\usepackage 4325,	7595, 7611, 7626,
12432, 12436,	4326, 4331, 4332,	7641, 7654, 7670,
12438, 12442,	4335, 4338, 4383, 4384	7695, 7696, 7735,
12444, 12450,	\usetocbasicnumberline	7736, 7739, 7740,
12451, 12454,	..... 20072	7768, 7774, 7777,
12455, 12459,	V	7785, 7824, 7854,
12460, 12463,	\vadjust . 6367, 6368, 6375	7874, 7882, 7887,
12464, 12467,	\valign 9421, 9425	7894, 7901, 7911,
12468, 12471,	\value 5434, 5453,	7922, 7935, 7985,
12472, 12486,	5472, 5504, 11310,	7991, 8209, 8217,
12487, 12489,	11325, 11326,	8218, 8226, 8230,
12490, 12502,	11329, 11330,	8238, 8239, 8247,
12503, 12505,	11333, 13361,	8261, 8266, 8270,
12506, 12512,	13362, 13433,	8273, 8277, 8278,
12513, 12516,	13467, 17517,	8295, 8302, 8318,
12517, 12521,	18097, 18780, 19159	8323, 8327, 8328,
12522, 12525,	\var@leftcolumn@badness	8331, 8332, 8347,
12526, 12529,	. . . 7737, 7749, 7755	8354, 9198, 9209,
12530, 12533,	\var@rightcolumn@badness	9220, 9312, 9495,
12534, 12541,	. . . 7741, 7751, 7756	9507, 9520, 9601,
12543, 12547,	\var@thecol@num 7681,	9612, 9624, 9707,
12549, 12554,	7683, 7952, 7970	9719, 9732, 9816,
12556, 12560,	\varcustomer . . 18371,	9828, 9841, 9925,
12562, 12566,	18397, 18398, 18401	9937, 9950, 10034,
12568, 12572,	\varinvoice . . . 18372,	10046, 10059,
12574, 12587,	18403, 18404, 18407	10143, 10155,
12589, 13490,	\varmyref 18370,	10168, 10252,
13492, 15592,	18391, 18392, 18395	10264, 10277,
15593, 15595,	\varrefitemi . . 18373,	10361, 10373,
15602, 15620,	18409, 18410, 18413	10386, 10408,
15896, 15897, 20977	\varrefitemii . 18374,	10588, 10600,
\usecounter 91,	18415, 18416, 18419	10612, 10636,
294, 579, 714,	\varrefitemiii 18375,	10649, 10655,
977, 1227, 2570,	18421, 18422, 18425	10663, 10669,
5936, 6715, 6903,	\varrefitemnamei . 18411	10677, 10746,
7212, 8774, 9045,	\varrefitemnameii 18417	10754, 10769,
10882, 13255,	\varrefitemnameiii 18423	11054, 11091,
16266, 16660,	\varyourmail . . 18369,	11182, 11187,
16854, 17057,	18385, 18386, 18389	11212, 11227,
17461, 17466,	\varyourref . . . 18368,	11252, 11543,
18041, 18046,	18379, 18380, 18383	11557, 11571,
18724, 18729, 19389	\vbadness . 7562, 7625,	11590, 11781,
\usekomafont . . 17245,	9420, 9424, 11040,	11794, 11818,
17252, 17289,	11076, 11181,	11909, 11926,
17402, 17653,	11908, 11957,	11958, 11975,
17656, 17673,	14912, 15012,	12074, 12085,
17675, 17794,	15777, 21381, 21428	12110, 13976,
17801, 17838,	\vbox 306, 398, 404, 1416,	14035, 14040,
17951, 18233,	1483, 2310, 5175,	14043, 14048,
18236, 18252,		14049, 14052,



14098,	14136,	999, 1028, 1187,	489, 495, 501, 505,
14668,	14818,	1190, 1249, 1278,	567, 646, 748, 757,
14913,	14936,	6351, 6701, 6704,	767, 838, 842, 848,
14941,	14943,	6757, 6786, 6889,	852, 873, 1000,
14951,	14969,	6892, 6934, 6963,	1009, 1019, 1090,
14974,	15013,	7036, 7050, 8217,	1094, 1100, 1104,
15036,	15041,	8238, 8797, 8811,	1129, 1250, 1259,
15043,	15051,	8892, 8906, 10897,	1269, 1340, 1345,
15069,	15074,	10911, 15969,	1351, 1355, 1361,
15105,	15641,	16174, 16177,	1364, 2325, 6407,
15811,	15812,	16299, 16328,	6434, 6470, 6471,
15825,	15829,	16438, 16467,	6477, 6587, 6589,
15834,	15838,	16624, 16627,	6646, 6685, 6758,
15850,	15861,	16703, 16717,	6767, 6777, 6823,
15876,	15878,	16890, 16904, 21720	6862, 6935, 6944,
15880,	15883,	\vfill 1948, 6131,	6954, 6985, 6990,
15888,	15925,	9421, 9425, 10809,	6994, 6996, 7002,
15932,	15933,	15876, 15881,	7006, 7008, 7037,
15940,	16049,	15882, 17089,	7040, 7046, 7105,
17544,	18124,	17104, 17136,	7111, 7117, 7121,
18807,	19111,	17153, 17281,	7141, 7180, 7185,
19145,	19150,	17303, 17308,	7193, 7612, 7671,
20577,	20580,	17314, 17830,	7832, 7836, 7914,
20585,	20589,	17852, 17857,	7917, 7926, 7929,
20593,	20597,	17863, 18529,	7940, 7942, 8282,
20601,	20605,	18551, 18556, 18562	8336, 8754, 8762,
20609,	20613,	\vfuzz . . . 5402, 5405, 5406	8798, 8801, 8807,
21005,	21013,	\vleftskip . 14786, 14787	8862, 8866, 8872,
21014,	21022,	\voffset 1976	8876, 8893, 8896,
21179,	21184,	\voidb@x 7238, 7302	8902, 8961, 8967,
21278,	21295,	\vphantom 20740	8973, 8977, 9012,
21382,	21397,	\vpic . 15801, 15811, 15812	9017, 9026, 9332,
21429,	21444,	\vrightskip . 14786, 14787	9357, 9365, 9373,
21475,	21491,	\vrule 387, 1495,	9387, 9403, 10728,
21502,	21636,	5177, 5178, 6350,	10737, 10750,
21677, 21716, 21719		6352, 7360, 7582,	10758, 10760,
\vboxL 15933,		7647, 7879, 7898,	10773, 10832,
17079, 17124, 21014		11056, 11097,	10850, 10854,
\vboxR 15925, 21005		11932, 11979,	10862, 10898,
\vcenter 398, 1480, 7345,		13967, 14021,	10901, 10907,
19145, 21097,		14396, 14658,	10962, 10966,
21186, 21187, 21278		14739, 14946,	10972, 10976,
\veqno 327, 328		14953, 14978,	11226, 11230,
\verb 19158		15046, 15053,	11231, 11606,
\VerbBox 8685, 8687		15080, 15109,	11782, 11820,
\verse@i 6381,		15222, 15233,	11825, 12077,
6412, 6418, 6426, 6467		19071, 19099,	12088, 12095,
\verse@ii		19140, 21281,	12115, 13452,
6392, 6413, 6419,		21401, 21450, 21650	13573, 13586,
6421, 6427, 6429, 6467		\vsize 7960,	13994, 14006,
\versewidth		11202, 11746,	14151, 14812,
. . . 6344, 6354, 6446		11797, 14047, 14055	14814, 14817,
\vfil 420, 434, 628, 631,		\vskip 309,	14858, 14867,
747, 776, 935, 938,		312, 421, 424, 430,	14875, 14944,



14945,	14947,	18177,	18188,	7988, 9430, 11041,
14954,	14971,	18190,	18198,	11077, 11790,
15044,	15045,	18200,	18376,	11910, 11959,
15047,	15054,	18377,	18492,	14914, 15014,
15071,	15116,	18499,	18533,	15782, 15785,
15128,	15147,	18536,	18538,	15804, 15805,
15159,	15171,	18544,	18546,	15823, 15827,
15776,	15793,	18548,	18564,	15832, 15836,
15814,	15880,	18642,	18646,	15848, 15859,
15966,	15972,	18649,	18651,	15886, 21383, 21430
16192,	16231,	18658,	18660,	\vss 306,
16300,	16309,	18663,	18668,	7598, 7657, 7840,
16319,	16390,	18763,	18768,	7846, 7862, 7868,
16394,	16400,	18852,	18854,	7882, 7887, 7894,
16404,	16439,	18858,	18860,	7901, 7989, 8274,
16448,	16458,	18871,	18873,	8284, 8329, 8338,
16533,	16540,	18881,	18883,	11253, 14040,
16546,	16550,	19508,	19527,	14052, 14669,
16556,	16559,	19548,	19565,	15811, 15812,
16564,	16603,	19582,	19599,	15883, 16049, 21189
16704,	16707,	19616,	19634,	\vtop . . 398, 404, 1415,
16713,	16777,	19653,	19673,	1482, 5236, 5280,
16783,	16788,	19708,	19897,	5324, 7271, 7347,
16791,	16810,	20434,	20618,	13958, 19111,
16891,	16894,	20797,	20801,	19145, 19150,
16900,	16959,	20820,	21201,	21185, 21278,
16965,	16971,	21210,	21219,	21295, 21551, 21595
16975,	16995,	21228,	21316,	
17033,	17037,	21478,	21494,	W
17045,	17244,	21505,	21513,	\waslice 15811, 15829,
17251,	17285,	21636,	21715,	15834, 15850,
17288,	17290,	21728, 21755, 21763		15869, 15870, 15879
17296,	17298,	\vspace 2493, 4779, 4869,		\wbslice 15812,
17300,	17316,	4877, 5495, 5499,		15825, 15838,
17394,	17398,	5561, 5566, 5579,		15861, 15868,
17401,	17403,	5584, 5597, 5602,		15870, 15871,
17410,	17412,	5719, 5728, 5737,		15875, 15876,
17415,	17420,	5818, 5825, 5832,		15883, 15888, 15889
17500,	17505,	5839, 5846, 6129,		
17589,	17591,	6173, 6177, 6979,		\wd . . . 1637, 1914, 6357,
17595,	17597,	6999, 7174, 7188,		6358, 6418, 6419,
17608,	17610,	9006, 9021, 9066,		6421, 6427, 6467,
17618,	17620,	9068, 9070, 10845,		6561, 6563, 6576,
17793,	17800,	10857, 13346,		6578, 7369, 7701,
17834,	17837,	13348, 14118,		8698, 8702, 10418,
17839,	17845,	14131, 17028,		11016, 11143,
17847,	17849,	17040, 18434,		11719, 11837,
17865,	17943,	18437, 18439,		11838, 12161,
17947,	17950,	18444, 19416,		12163, 12207,
17952,	17959,	19422, 19427,		12209, 12330,
17961,	17964,	19434, 19439, 19444		12411, 12413,
17969,	18080,	\vsplit . . . 7521, 7522,		12417, 12419,
18085,	18169,	7539, 7543, 7564,		12450, 12451,
18171,	18175,	7627, 7733, 7823,		12454, 12455,
				12479, 12480,



12482,	12495,	6455, 6718, 6906,	20917, 20918,
12496,	12498,	7218, 8777, 9051,	20948, 20964, 20965
12512,	12513,	10885, 13256,	\XC@declaredcolor .
12516,	12517,	15496, 16269,	..... 20909, 20916
12541,	12543,	16663, 16860,	\XC@declaredcolor 20908
12547,	12549,	17063, 17471,	\XC@display ... 20915,
13217,	13225,	18051, 18734, 19395	20919, 20949, 20966
13234,	13242,	\WIDTH 19260, 19268	\XC@edef ... 20902, 20951
13409,	13416,	\width .. 11740, 12141,	\XC@fbox 20970
13454,	13455,	12229, 12231,	\XC@getmodclr 20882, 20925
13580,	13989,	14705, 14714, 14738	\XC@inflate . 20896, 20939
14137,	14824,	\widthof 8553, 8558	\XC@let@Nc . 20917, 20964
14828,	14830,	\windowbox . 15878, 15884	\XC@mclr ... 20896, 20939
14838,	14869,	\wlog 7810, 7851, 7873	\XC@mmod 20894,
15188,	15769,	\write 2615, 2950, 2978,	20895, 20937, 20938
15980,	16003,	3004, 3032, 3058,	\XC@mul 20897, 20940
16030,	17076,	3061, 3095, 3098,	\XC@split 20960
17121,	17177,	4556, 6340, 6343,	\XC@tgt@mod . 20890, 20933
17184,	17542,	6547, 19197, 21363	\XC@type ... 20903, 20952
18122,	18382,	\WriteEndXPostoaux 2976	\XC@undeclaredcolor
18388,	18394,	\WriteEndXYPostoaux 3093	..... 20899, 20910
18400,	18406,	\WriteEndYPostoaux 3030	\xcolor@ ... 20914, 20948
18412,	18418,	\WriteStartXPostoaux	\xdef 333,
18424,	18430,	..... 2947	393, 2052, 2797,
18805,	19051,	\WriteStartXYPostoaux	2932, 3228, 3229,
19209,	19260,	..... 3055	3232, 3233, 3250,
19317,	19334,	\WriteStartYPostoaux	3251, 3254, 3255,
20077,	20091,	..... 3001	3645, 4447, 4602,
20831,	20875,	\wstrutbox . 15788, 15790	6358, 6360, 6441,
21071, 21255, 21757			6443, 6445, 7566,
\WF@everypar 20794		X	7568, 7629, 7631,
\WF@adjlw .. 20834, 20859		\x 4101, 4102,	7731, 7737, 7741,
\WF@adjtlm . 20856, 20859		4568, 4571, 8449,	8227, 8248, 8293,
\WF@box 20831, 20864, 20865		8450, 8453, 8454,	8299, 8300, 8345,
\WF@floatfalse 20797,		8459, 8463, 8467,	8351, 8352, 10493,
20805, 20815, 20818		8468, 8471, 8472,	10507, 10555,
\WF@fltnes 20824		8477, 8481, 13155,	10569, 10739,
\WF@info 20804,		13164, 13166, 13178	11043, 11045,
20814, 20817,		\XC@tmp 20902, 20903,	11079, 11081,
20826, 20861, 20863		20917, 20951,	11444, 11912,
\WF@ovh 20831		20952, 20960, 20964	11914, 11961,
\WF@place .. 20829, 20835		\XC@tstfalse 20902, 20951	11963, 12104,
\WF@putfigmaybe .. 20795		\XC@tsttrue .. 20903,	12765, 13402,
\WF@size ... 20808, 20862		20904, 20905,	13974, 14916,
\WF@startwrapping 20867		20952, 20953, 20954	14918, 15016,
\WF@wfname		\XC@bidideclaredcolor	15018, 15732,
. 20826, 20861, 20863		..... 20958, 20963	15739, 15746,
\WF@wrapil . 20855, 20858		\XC@bidideclaredcolor	19334, 20459,
\whilecondition 3966,		..... 20957, 20959	20463, 20484,
3980, 4069, 4101		\XC@bidiundeclaredcolor	20488, 20550,
\whiledo 11186		..... 20942, 20944	20554, 20829,
\widowpenalty ... 92,		\XC@coremodel 20886, 20929	20834, 20855,
295, 585, 717,		\XC@current@color .	20856, 20858,
980, 1230, 2573,		..... 20914,	



20859, 21385,
21387, 21432, 21434
\XeLaTeX 13147,
21075, 21928, 21929
\XeTeX . . . 13146, 15982,
21073, 21926, 21927
\XeTeXcharclass 1783,
1784, 1785, 1786, 1787
\XeTeXinterchartokenstate
. 1780
\XeTeXinterchartoks 1788
\xm . . . 8450, 8454, 8468, 8472
\xxm . . . 8458, 8462, 8476, 8480
\xyzy 5383

Y

\y . . . 8450, 8454, 8458,
8462, 8467, 8468,
8471, 8472, 8476,
8477, 8480, 8481,
13151, 13153,
13154, 13157, 13164
\ym . . . 8467, 8471, 8477, 8481
\yourmailname 18387
\yourrefname 18381
\yym . . . 8449, 8453, 8459, 8463

Z

\z@ . . . 12, 24, 46, 60, 76,
99, 103, 111, 128,
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, 1630, 1635,

1636, 1637, 1639,
1907, 1912, 1913,
1914, 1916, 2270,
2325, 2585, 2595,
2600, 3128, 3145,
3946, 3956, 4676,
4685, 4984, 5217,
5221, 5261, 5265,
5305, 5309, 5895,
5922, 5953, 5965,
6143, 6371, 6374,
6377, 6418, 6419,
6421, 6427, 6441,
6445, 6449, 6450,
6451, 6452, 6453,
6454, 6467, 6541,
6553, 6554, 6561,
6563, 6576, 6578,
6586, 6630, 6634,
6635, 6646, 6647,
6650, 6652, 6665,
6688, 6740, 6742,
6744, 6752, 6769,
6807, 6811, 6812,
6823, 6824, 6827,
6829, 6842, 6865,
6917, 6919, 6921,
6929, 6946, 6980,
7000, 7017, 7022,
7023, 7082, 7129,
7144, 7162, 7164,
7166, 7175, 7189,
7240, 7241, 7252,
7254, 7337, 7339,
7344, 7358, 7360,
7361, 7366, 7367,
7368, 7369, 7370,
7404, 7415, 7533,
7701, 7724, 7757,
7760, 7763, 7771,
7782, 7792, 7795,
7800, 7803, 7807,
7834, 7837, 7843,
7859, 7865, 7919,
7931, 7944, 7963,
7966, 7987, 8215,
8236, 8253, 8254,
8256, 8257, 8265,
8287, 8289, 8292,
8310, 8311, 8313,
8314, 8322, 8339,
8341, 8344, 8667,
8689, 8691, 8693,
8696, 8698, 8700,

8702, 8704, 8705,
8711, 8716, 8730,
8744, 8757, 8841,
8938, 8984, 8994,
8996, 8998, 9007,
9022, 9140, 9146,
9152, 9265, 9270,
9277, 9282, 9289,
9294, 9400, 9401,
9402, 9482, 9588,
9694, 9803, 9912,
10021, 10130,
10239, 10348,
10417, 10490,
10552, 10618,
10622, 10626,
10725, 10726,
10727, 10734,
10735, 10736,
10820, 10835,
10846, 10858,
10941, 10984,
10986, 10988,
11017, 11168,
11225, 11253,
11276, 11278,
11280, 11289,
11291, 11293,
11439, 11493,
11510, 11526,
11553, 11567,
11581, 11595,
11599, 11675,
11680, 11687,
11692, 11699,
11704, 11787,
11837, 11844,
11870, 11871,
11872, 11893,
11894, 12060,
12135, 12136,
12137, 12144,
12151, 12152,
12153, 12154,
12155, 12157,
12158, 12160,
12161, 12163,
12197, 12198,
12199, 12200,
12201, 12203,
12204, 12206,
12207, 12209,
12281, 12287,
13264, 13268,



13284,	13288,	16645,	16647,	19045,	19050,
13300,	13312,	16649,	16702,	19051,	19055,
13329,	13426,	16745,	16754,	19067,	19101,
13469,	13476,	16781,	16798,	19124,	19136,
13484,	13497,	16813,	16834,	19140,	19233,
13499,	13539,	16836,	16838,	19237,	19244,
13546,	13551,	16872,	16877,	19255,	19301,
13562,	13634,	16878,	16936,	19302,	19312,
13936,	13938,	16983,	16998,	19316,	19317,
13970,	13976,	17016,	17018,	19318,	19321,
13979,	13984,	17020,	17029,	19330,	19331,
13987,	14021,	17041,	17076,	19333,	19334,
14035,	14039,	17077,	17078,	19336,	19344,
14040,	14043,	17121,	17122,	19349,	19364,
14049,	14088,	17123,	17161,	19450,	19451,
14109,	14111,	17165,	17166,	19525,	19615,
14133,	14162,	17171,	17175,	19633,	19726,
14774,	14777,	17176,	17177,	19905,	20013,
14801,	14926,	17182,	17183,	20042,	20352,
14930,	14940,	17184,	17189,	20356,	20434,
15001,	15026,	17193,	17194,	20439,	20444,
15030,	15040,	17236,	17244,	20492,	20618,
15098,	15115,	17251,	17253,	20804,	20811,
15124,	15126,	17275,	17298,	20812,	20830,
15147,	15159,	17316,	17343,	20846,	20849,
15171,	15191,	17387,	17412,	20858,	20859,
15202,	15208,	17500,	17505,	20861,	20865,
15485,	15490,	17550,	17614,	20872,	20873,
15531,	15541,	17690,	17693,	20874,	20875,
15591,	15592,	17699,	17709,	20970,	20975,
15593,	15595,	17719,	17729,	20977,	21025,
15597,	15602,	17785,	17793,	21029,	21030,
15620,	15897,	17800,	17802,	21035,	21039,
15941,	15943,	17824,	17847,	21040,	21069,
15978,	15979,	17865,	17892,	21070,	21071,
15980,	15989,	17936,	17961,	21122,	21123,
15990,	16003,	18080,	18085,	21124,	21201,
16027,	16028,	18130,	18194,	21210,	21219,
16049,	16094,	18274,	18279,	21228,	21232,
16095,	16112,	18282,	18288,	21252,	21253,
16158,	16162,	18298,	18308,	21283,	21294,
16163,	16192,	18318,	18355,	21302,	21307,
16193,	16196,	18484,	18492,	21316,	21532,
16198,	16211,	18499,	18501,	21536,	21576,
16234,	16280,	18523,	18546,	21580,	21621,
16282,	16284,	18564,	18591,	21625,	21628,
16294,	16311,	18635,	18660,	21638,	21639,
16369,	16413,	18763,	18768,	21643,	21650,
16417,	16418,	18813,	18877,	21687,	21713,
16433,	16450,	18957,	18962,	21726,	21766, 21767
16510,	16551,	18965,	18971,	\z@skip . . 2325, 11223,	
16564,	16565,	18981,	18991,	11224,	14109,
16568,	16570,	19001,	19042,	14112,	16109,
16583,	16606,	19043,	19044,	19105,	19110,



19143, 19149,	\zref@extractdefault	\	.....	1786	
21231, 21232,	..... 11347, 11368				
21287, 21293, 21713	\zref@labelbyprops					
\zap@space 4313, 4400, 4436	..... 11313, 11388		☒		
\zifrefundefined ..	☒	\	.....	1787	
..... 11342, 11365	\	1786	\	1787

