



The *bidi* Package

Source documentation for version 32.5

to my Master, Ferdowsi The Great

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<https://github.com/tex-xet/bidi/issues>

In doing so, please always explain your issue well enough, always include a minimal working example showing the issue, and always choose the appropriate label for your query (i.e. if you are reporting any bugs, choose 'Bug' label).

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The *bid* Package

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

Source documentation for [version 32.5](#)

Vafa Khalighi
persian-tex@tug.org

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1 File amsart-xetex-bidi.def

```

1 \ProvidesFile{amsart-xetex-bidi.def}[2017/08/09 v1.1 bidi adaptations for amsart class for Xe
2 \def\tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \@ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi
13    \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17  \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4p@
31   \hrule\@width 5pc\kern11p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35   \insert\footins{%
36     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37     \reset@font%
38     \bidi@footnotetext@font% \normalfont\footnotesize
39     \interlinepenalty\interfootnotelinepenalty
40     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41     \floatingpenalty\@MM \hsize\columnwidth
42     \@parboxrestore \parindent\normalparindent \sloppy
43     \protected@edef\@currentlabel{%
44       \csname p@footnote\endcsname\@thefnmark}%
45     \@makefnmark%
46     \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
47
48 \long\def\@RTLfootnotetext#1{%

```



```

49 \insert\footins{%
50   \@RTLtrue%
51   \reset@font%
52   \bidi@RTLfootnotetext@font% \normalfont\footnotesize
53   \interlinepenalty\interfootnotelinepenalty
54   \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
55   \floatingpenalty\@MM \hsize\columnwidth
56   \@parboxrestore \parindent\normalparindent \sloppy
57   \protected@edef\@currentlabel{%
58     \csname p@footnote\endcsname\@thefnmark}%
59   \@makefnfntext{%
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     \@makefnfntext{%
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   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@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 \if@RTL\raggedleft\else\raggedright\fi
105 \hyphenpenalty\@M
106 \footnotesize}
107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111 \@topnum\z@ % this prevents figures from falling at the top of page 1
112 \@setcopyright
113 \thispagestyle{firstpage}% this sets first page specifications
114 \uppercase\nonmath\shorttitle
115 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116 \else \andify\shortauthors
117 \fi
118 \@maketitle@hook
119 \begingroup
120 \@maketitle
121 \toks@{\xp{\shortauthors}}\@temptokena{\xp{\shorttitle}}%
122 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123 \edef\@tempa{%
124 \@nx\markboth{\the\toks4
125 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126 \@tempa
127 \endgroup
128 \c@footnote\z@
129 \@cleartopmattertags
130 }

```

2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol package]
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}[2015/02/01 v0.1 bidi adaptations for algorithm2e pa
166 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
167 \else%
168 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
169 \fi%
170
171 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}
172 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
173 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algoframe}}%
174 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algoframe}\par}%
175 \renewcommand{\@algocf@start}{%
176   \@algoskip%
177   \begin{bidi@lrbox}{\algocf@algobox}%
178   \setlength{\algowidth}{\hsize}%
179   \vbox\bgroup% save all the algo in a box
180   \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
181   \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
182   % initialization
183   \addtolength{\hsize}{-1.5\algomargin}%
184   \let\@mathsemicolon=\;\def\;\{\ifmmode\@mathsemicolon\else\@endalgoln\fi}%
185   \raggedright\AlFnt{}%
186   \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
187   \@algoinsideskip%
188   % \let\@mathdisplay=\]\def\]\{\algocf@endline\@mathdisplay\nl}%
189 }%
190 \renewcommand{\@algocf@finish}{%
191   \@algoinsideskip%
192   \egroup%end of vtop which contain all the text

```




```

193 \hfill\egroup%end of hbox wich contains [margin][vtop]
194 \ifthenelse{\boolean{algocf@slide}}{\DecMargin{\skipalgocfslide}}{}%
195 %
196 \egroup%end of main vbox
197 \end{bidi@lrbox}%
198 \algocf@makethealgo% print the algo
199 \@algoskip%
200 % restore dimension and macros
201 \setlength{\hspace}{\algowidth}%
202 \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
203 \let\;=\@mathsemicolon%
204 \let\=\@mathdisplay%
205 }%

```

4 File amsbook-xetex-bidi.def

```

206 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for Xe
207 \def\tocline#1#2#3#4#5#6#7{\relax
208 \ifnum #1>\c@tocdepth % then omit
209 \else
210 \par \addpenalty\@secpenalty\addvspace{#2}%
211 \begingroup \hyphenpenalty\@M
212 \@ifempty{#4}{%
213 \@tempdima\csname r@tocindent\@number#1\endcsname\relax
214 }{%
215 \@tempdima#4\relax
216 }%
217 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip
218 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
219 #5\leavevmode\hspace-\@tempdima #6\nobreak\relax
220 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
221 \nobreak
222 \endgroup
223 \fi}
224 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
225 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
226 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
227 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
228 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
229 \columnseprule\z@ \columnsep 35\p@
230 \@indextitlestyle
231 \thispagestyle{plain}%
232 \let\item\@idxitem
233 \parindent\z@ \parskip\z@\@plus.3\p@\relax
234 \if@RTL\raggedleft\else\raggedright\fi
235 \hyphenpenalty\@M
236 \footnotesize}
237 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
238 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
239 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}

```



```

240 \def\right@footnoterule{%
241   \kern-.4\p@
242   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
243   \kern11\p@\kern-\footnotesep}
244 \def\left@footnoterule{\kern-.4\p@
245   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
246
247 \long\def\@footnotetext#1{%
248   \insert\footins{%
249     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
250     \reset@font%
251     \bidi@@footnotetext@font% \normalfont\footnotesize
252     \interlinepenalty\interfootnotelinepenalty
253     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
254     \floatingpenalty\@MM \hsize\columnwidth
255     \@parboxrestore \parindent\normalparindent \sloppy
256     \protected@edef\@currentlabel{%
257       \csname p@footnote\endcsname\@thefnmark}%
258     \@makefnintext{%
259       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
260
261 \long\def\@RTLfootnotetext#1{%
262   \insert\footins{%
263     \@RTLtrue%
264     \reset@font%
265     \bidi@@RTLfootnotetext@font% \normalfont\footnotesize
266     \interlinepenalty\interfootnotelinepenalty
267     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
268     \floatingpenalty\@MM \hsize\columnwidth
269     \@parboxrestore \parindent\normalparindent \sloppy
270     \protected@edef\@currentlabel{%
271       \csname p@footnote\endcsname\@thefnmark}%
272     \@makefnintext{%
273       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
274
275
276 \long\def\@LTRfootnotetext#1{%
277   \insert\footins{%
278     \@RTLfalse%
279     \reset@font%
280     \bidi@@LTRfootnotetext@font% \normalfont\footnotesize
281     \interlinepenalty\interfootnotelinepenalty
282     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
283     \floatingpenalty\@MM \hsize\columnwidth
284     \@parboxrestore \parindent\normalparindent \sloppy
285     \protected@edef\@currentlabel{%
286       \csname p@footnote\endcsname\@thefnmark}%
287     \@makefnintext{%
288       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
289

```



```

290
291
292 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
293 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
294 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
295
296 \renewenvironment{thebibliography}[1]{%
297   \@bibtitlestyle
298   \normalfont\bibliofont\labelsep .5em\relax
299   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
300   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
301   \bidi@@thebibliography@font@hook%
302   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
303     \leftmargin\labelwidth \advance\leftmargin\labelsep
304     \usecounter{enumiv}}%
305   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
306   \sfcode\`.\=@m
307 }{%
308   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
309   \endlist
310 }
311 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
312   \begingroup
313   \fontsize{\@xivpt}{18}\bfseries\centering
314   \ifnum\c@secnumdepth>\m@ne
315     \leavevmode \hskip-\if@RTL\rightskip\else\leftskip\fi
316     \rlap{\vbox to\z@{\vss
317       \centerline{\normalsize\mdseries
318         \uppercase\@xp{\chaptername}\enspace\thechapter}
319       \vskip 3pc}}\hskip\if@RTL\rightskip\else\leftskip\fi\fi
320   #1\par \endgroup
321   \skip@34p@ \advance\skip@-\normalbaselineskip
322   \vskip\skip@ }
323 \def\maketitle{\par
324   \@topnum\z@ % this prevents figures from falling at the top of page 1
325   \begingroup
326   \@maketitle
327   \endgroup
328   \c@footnote\z@
329   \def\do##1{\let##1\relax}%
330   \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
331   \do\author \do\@xauthor \do\address \do\@xaddress
332   \do\email \do\@xemail \do\curraddr \do\@xcurraddr
333   \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
334   \do\keywords \do\@keywords \do\subjclass \do\@subjclass
335 }

```

5 File amsmath-xetex-bidi.def

```

336 \ProvidesFile{amsmath-xetex-bidi.def}[2018/01/08 v1.1 bidi adaptations for amsmath package for

```



```

337 \let\veqno=\eqno
338 \iftagsleft@ \let\veqno=\leqno \fi
339 \renewcommand{\numberwithin}[3][\arabic]{%
340   \ifundefined{c@#2}{\nocounterr{#2}}{%
341     \ifundefined{c@#3}{\nocnterr{#3}}{%
342       \@addtoreset{#2}{#3}%
343       \exp\xdef\csname the#2\endcsname{%
344         \exp\xdef\csname the#3\endcsname \nx\@SepMark\nx#1{#2}}}%
345     }
346 \def\tagform@#1{\maketag@@@{\if@nonlatin\beginR\fi(\kern\z@ignorespaces#1\unskip\@italiccor

```

6 File amstext-xetex-bidi.def

```

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

```

7 File amsthm-xetex-bidi.def

```

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

```

8 File array-xetex-bidi.def

```

354 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for Xe
355 \def\@testpach{\@chclass
356   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
357   \ifnum \@lastchclass=7 5 \else
358   \ifnum \@lastchclass=8 \tw@ \else
359   \ifnum \@lastchclass=9 \thr@@
360   \else \z@
361   \ifnum \@lastchclass = 10 \else
362   \edef\@nextchar{\expandafter\string\@nextchar}%
363   \@chnum
364   \if \@nextchar c\z@ \else
365   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
366   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
367   \z@ \@chclass
368   \if \@nextchar |\@ne \else
369   \if \@nextchar !6 \else
370   \if \@nextchar @7 \else
371   \if \@nextchar <8 \else
372   \if \@nextchar >9 \else
373   10
374   \@chnum
375   \if \@nextchar m\thr@@\else
376   \if \@nextchar p4 \else
377   \if \@nextchar b5 \else

```



```

378 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
379 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
380 \def\@tabular{%
381 \leavevmode
382 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
383 \let\d@llarend\endR
384 \@tabarray}
385 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
386 \expandafter\let\csname endtabular*\endcsname=\endtabular
387 \def\@array[#1]#2{%
388 \@tempdima \ht \strutbox
389 \advance \@tempdima by\extrarowheight
390 \setbox \@arstrutbox \hbox{\vrule
391 \@height \arraystretch \@tempdima
392 \@depth \arraystretch \dp \strutbox
393 \@width \z@}%
394 \beginR
395 \@mkpream{#2}%
396 \xdef\@preamble{\noexpand \ialign \@halignto
397 \bgroup \@arstrut \@preamble
398 \tabskip \z@ \cr}%
399 \endR
400 \@arrayleft
401 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
402 \bgroup
403 \let \@sharp ##\let \protect \relax
404 \lineskip \z@
405 \baselineskip \z@
406 \m@th
407 \let\\ \@arraycr \let\tabularnewline\\ \let\par\@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRcor
408 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
409 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
410 \def\array{\col@sep\arraycolsep
411 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
412 \@RTLtabfalse\@tabarray}

```

9 File article-xetex-bidi.def

```

413 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article c
414 \if@titlepage
415 \renewcommand\maketitle{\begin{titlepage}%
416 \let\footnotesize\small
417 \let\right@footnoterule\relax
418 \let\left@footnoterule\relax
419 \let\textwidth\footnoterule\relax
420 \let \footnote \thanks
421 \let \LTRfootnote \LTRthanks
422 \let \RTLfootnote \RTLthanks
423 \null\vfil
424 \vskip 60\p@

```



```

425 \begin{center}%
426   {\LARGE \@title \par}%
427   \vskip 3em%
428   {\large
429     \lineskip .75em%
430     \begin{tabular}[t]{c}%
431       \@author
432     \end{tabular}\par}%
433   \vskip 1.5em%
434   {\large \@date \par}%           % Set date in \large size.
435 \end{center}\par
436 \@thanks
437 \vfil\null
438 \end{titlepage}%
439 \setcounter{footnote}{0}%
440 \global\let\thanks\relax
441 \global\let\LTRthanks\relax
442 \global\let\RTLthanks\relax
443 \global\let\maketitle\relax
444 \global\let\@thanks\@empty
445 \global\let\@author\@empty
446 \global\let\@date\@empty
447 \global\let\@title\@empty
448 \global\let\title\relax
449 \global\let\author\relax
450 \global\let\date\relax
451 \global\let\and\relax
452 }
453 \else
454 \renewcommand\maketitle{\par
455   \begingroup
456     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
457     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
458     \long\def\@makefntext##1{\parindent 1em\noindent
459       \hb@xt@1.8em{%
460         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
461     \if@twocolumn
462       \ifnum \col@number=\@ne
463         \@maketitle
464       \else
465         \twocolumn[\@maketitle]%
466       \fi
467     \else
468       \newpage
469       \global\@topnum\z@   % Prevents figures from going at top of page.
470       \@maketitle
471     \fi
472     \thispagestyle{plain}\@thanks
473   \endgroup
474   \setcounter{footnote}{0}%

```



```

475 \global\let\thanks\relax
476 \global\let\LTRthanks\relax
477 \global\let\RTLthanks\relax
478 \global\let\maketitle\relax
479 \global\let\@maketitle\relax
480 \global\let\@thanks\@empty
481 \global\let\@author\@empty
482 \global\let\@date\@empty
483 \global\let\@title\@empty
484 \global\let\title\relax
485 \global\let\author\relax
486 \global\let\date\relax
487 \global\let\and\relax
488 }
489 \def\@maketitle{%
490   \newpage
491   \null
492   \vskip 2em%
493   \begin{center}%
494     \let \footnote \thanks
495     \let \LTRfootnote \LTRthanks
496     \let \RTLfootnote \RTLthanks
497     {\LARGE \@title \par}%
498     \vskip 1.5em%
499     {\large
500       \lineskip .5em%
501       \begin{tabular}[t]{c}%
502         \@author
503       \end{tabular}\par}%
504     \vskip 1em%
505     {\large \@date}%
506   \end{center}%
507   \par
508   \vskip 1.5em}
509 \fi
510 \renewcommand*\l@part[2]{%
511   \ifnum \c@tocdepth >-2\relax
512     \addpenalty\@secpenalty
513     \addvspace{2.25em \@plus\p@}%
514     \setlength\@tempdima{3em}%
515     \begingroup
516       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
517       \parfillskip -\@pnumwidth
518       {\leavevmode
519         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
520       \nobreak
521       \if@compatibility
522         \global\@nobreaktrue
523         \everypar{\global\@nobreakfalse\everypar{}}%
524       \fi

```



```

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

```




```

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

```

10 File artikel1-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

722     {\def\@noitemerr
723      {\@latex@warning{Empty `thebibliography' environment}}}%
724     \endlist}
725 \renewcommand*\left@footnoterule{%
726   \kern-3\p@
727   \kern.5\baselineskip
728   \hrule\@width\unitindent
729   \kern.4\baselineskip
730 }
731 \renewcommand*\right@footnoterule{%
732   \kern-3\p@
733   \kern.5\baselineskip
734   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
735   \kern.4\baselineskip}
736 \if@titlepage
737 \renewcommand*\TitleFont{\rmfamily}
738 \renewcommand*\maketitle{%
739   \begin{titlepage}%
740     \let\footnotesize\small
741     \let\right@footnoterule\relax
742     \let\left@footnoterule\relax
743     \let\textwidth@footnoterule\relax
744     \let \footnote \thanks
745     \long\def\@makefntext##1{\parindent\z@
746       \def\labelitemi{\textendash}\@revlabeltrue
747       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
748     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
749     \if@compatibility\setcounter{page}{0}\fi
750     \null\vfil
751     \vskip 60\p@
752     \begin{center}%
753       \TitleFont
754       {\LARGE \def\\{\penalty -\@M}
755         \if@allcaps
756           \expandafter\uc@nothanks\@title\thanks\relax
757         \else
758           \@title
759         \fi\par}%
760     \vskip 3em%
761     {\large
762       \lineskip .75em \parindent\z@
763       \begin{tabular}[t]{c}%
764         \if@allcaps
765           \expandafter\uc@author\@author\and\relax
766         \else
767           \@author
768         \fi
769       \end{tabular}\par}%
770     \vskip 1.5em%
771     {\large

```



```

772     \if@allcaps
773         \uppercase\expandafter{\@date}%
774     \else
775         \@date
776     \fi\par}%
777 \end{center}\par
778 \@thanks
779 \vfil\null
780 \end{titlepage}%
781 \setcounter{footnote}{0}%
782 \global\let\thanks\relax
783 \global\let\maketitle\relax
784 \global\let\@thanks\@empty
785 \global\let\@author\@empty
786 \global\let\@title\@empty
787 \global\let\@date\@empty
788 \global\let\title\relax
789 \global\let\author\relax
790 \global\let\date\relax
791 \global\let\and\relax
792 }
793 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
794 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
795     \futurelet\@tempa\uc@ax}
796 \def\uc@ax{%
797     \ifx\@tempa\relax
798     \else
799         \ \andname \ \ \expandafter\uc@authornothanks
800     \fi}
801 \def\uc@tx{\ifx\@tempa\relax
802     \else \expandafter\uc@ty \fi}
803 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
804 \else
805 \renewcommand*\maketitle{\par
806     \begin{group}
807         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
808         \def\@makefnmark{\rlap{%
809             \@textsuperscript{\normalfont\@thefnmark}}}%
810         \long\def\@makefntext{\@xmakefntext{%
811             \@textsuperscript{\normalfont\@thefnmark}}}%
812         \if@twocolumn
813             \ifnum \col@number=\@ne
814                 \@maketitle
815             \else
816                 \twocolumn[\@maketitle]%
817             \fi
818         \else
819             \newpage
820             \global\@topnum\z@
821             \@maketitle

```



```

822 \fi
823 \thispagestyle{plain}\@thanks
824 \endgroup
825 \setcounter{footnote}{0}%
826 \global\let\thanks\relax
827 \global\let\maketitle\relax
828 \global\let\@maketitle\relax
829 \global\let\@thanks\@empty
830 \global\let\@author\@empty
831 \global\let\@title\@empty
832 \global\let\@date\@empty
833 \global\let\title\relax
834 \global\let\author\relax
835 \global\let\date\relax
836 \global\let\and\relax
837 }
838 \def\@maketitle{%
839 \newpage
840 \null
841 \vskip 2em%
842 \begin{center}%
843 \let \footnote \thanks
844 {\LARGE \TitleFont \@title \par}%
845 \vskip 1.5em%
846 {\large \TitleFont
847 \lineskip .5em%
848 \begin{tabular}[t]{c}%
849 \@author
850 \end{tabular}\par}%
851 \vskip 1em%
852 {\large \TitleFont \@date}%
853 \end{center}%
854 \par
855 \vskip 1.5em}
856 \fi

```

11 File artikel2-xetex-bidi.def

```

857 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class for
858 \renewenvironment{theindex}{%
859 \if@twocolumn
860 \@restonecolfalse
861 \else
862 \@restonecoltrue
863 \fi
864 \columnseprule \z@
865 \columnsep 35\p@
866 \twocolumn[\section*{\indexname}]%
867 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
868 \thispagestyle{plain}\parindent\z@

```



```

869 \parskip\z@ \@plus .3\p@\relax
870 \let\item\@idxitem
871 }{%
872 \if@restonecol\onecolumn\else\clearpage\fi}
873 \renewcommand*\@regtocline[3]{%
874 \ifnum #1>\c@tocdepth
875 \else
876 \vskip\z@ \@plus .2\p@
877 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
878 \if@RTL\righskip\else\leftskip\fi\unitindent
879 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
880 \parfillskip\z@
881 \@tempdima\unitindent
882 \advance\@tempdima by \othermargin
883 \parindent\z@
884 \leavevmode
885 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
886 \hskip 1em \nobreak{\slshape #3}\par
887 }%
888 \fi}
889 \if@oldtoc
890 \renewcommand*\l@section[2]{%
891 \addpenalty\@secpenalty
892 \addvspace{1.0em \@plus\p@}%
893 \setlength\@tempdima{1.5em}%
894 \begingroup
895 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
896 \parfillskip -\@pnumwidth
897 \leavevmode \bfseries
898 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
899 \hskip -\if@RTL\righskip\else\leftskip\fi
900 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
901 \endgroup}
902 \else
903 \renewcommand*\l@section{\@regtocline{1}}
904 \fi
905 \if@oldtoc
906 \renewcommand*\l@part[2]{%
907 \ifnum \c@tocdepth >-2\relax
908 \addpenalty\@secpenalty
909 \addvspace{2.25em \@plus\p@}%
910 \begingroup
911 \setlength\@tempdima{3em}%
912 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
913 \parfillskip -\@pnumwidth
914 {\leavevmode
915 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
916 \nobreak
917 \if@compatibility
918 \global\@nobreaktrue

```



```

919 \everypar{\global\@nbreakfalse\everypar{}}%
920 \fi
921 \endgroup
922 \fi}
923 \else
924 \renewcommand*\l@part{%
925 \ifnum \c@tocdepth >-2\relax
926 \addpenalty\@secpenalty
927 \addvspace{2.25em \@plus \p@}%
928 \@regtocline{0}%
929 \fi}
930 \fi
931 \renewcommand*\head@style{%
932 \interlinepenalty \@M
933 \hyphenpenalty=\@M \exhyphenpenalty=\@M
934 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
935 \if@titlepage
936 \renewenvironment{abstract}{%
937 \titlepage
938 \null\vfil
939 \section*{\SectFont\abstractname}%
940 \noindent\ignorespaces}
941 {\par\vfil\null\endtitlepage}
942 \else
943 \renewenvironment{abstract}{%
944 \if@twocolumn
945 \section*{\abstractname}%
946 \else
947 \section*{\hskip\unitindent\small\SectFont\abstractname}%
948 \list{}{\setlength\listparindent{\unitindent}%
949 \setlength\parindent {\z@}%
950 \setlength\leftmargin {\unitindent}%
951 \setlength\rightmargin {\unitindent}%
952 \setlength\parsep {\z@}}%
953 \item[]%
954 \fi}
955 {\if@twocolumn\else\par\endlist\fi}
956 \fi
957 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
958 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
959 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
960 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
961 \renewcommand*\left@footnoterule{%
962 \kern-3\p@
963 \hrule\@width 3\unitindent
964 \kern 2.6\p@
965 }
966 \renewcommand*\right@footnoterule{%
967 \kern-3\p@
968 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }

```




```

969 \kern 2.6\p@}
970 \renewenvironment{thebibliography}[1]
971   {\section*{\refname}%
972    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
973    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
974    \bidi@thebibliography@font@hook%
975    \list{\@biblabel{\@arabic\c@enumiv}}%
976      {\settowidth\labelwidth{\@biblabel{#1}}%
977       \leftmargin\labelwidth
978       \advance\leftmargin\labelsep
979       \@openbib@code
980       \usecounter{enumiv}%
981       \let\p@enumiv\@empty
982       \renewcommand*{theenumiv}{\@arabic\c@enumiv}}%
983    \sloppy\clubpenalty4000\widowpenalty4000%
984    \sfcode`.\@m}
985  {\def\@noitemerr
986   {\@latex@warning{Empty `thebibliography' environment}}%
987   \endlist}
988 \if@titlepage
989 \renewcommand*{\TitleFont}{\rmfamily}
990 \renewcommand*{\maketitle}{%
991 \begin{titlepage}%
992   \let\footnotesize\small
993   \let\right@footnoterule\relax
994   \let\left@footnoterule\relax
995   \let\textwidth\footnoterule\relax
996   \let \footnote \thanks
997   \long\def\@makefnmark##1{\parindent\z@
998     \def\labelitemi{\textendash}\@revlabeltrue
999     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1000 \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
1001 \if@compatibility\setcounter{page}{0}\fi
1002 \null\vfil
1003 \vskip 60\p@
1004 \begin{center}%
1005   \TitleFont
1006   {\LARGE \def\\{\penalty -\@M}
1007    \if@allcaps
1008      \expandafter\uc@nothanks\@title\thanks\relax
1009    \else
1010      \@title
1011      \fi\par}%
1012   \vskip 3em%
1013   {\large
1014    \lineskip .75em \parindent\z@
1015    \begin{tabular}[t]{c}%
1016      \if@allcaps
1017        \expandafter\uc@authornothanks\@author\and\relax
1018      \else

```



```

1019         \@author
1020         \fi
1021     \end{tabular}\par}%
1022     \vskip 1.5em%
1023     {\large
1024     \if@allcaps
1025         \uppercase\expandafter{\@date}%
1026     \else
1027         \@date
1028     \fi\par}%
1029     \end{center}\par
1030     \@thanks
1031     \vfil\null
1032 \end{titlepage}%
1033 \setcounter{footnote}{0}%
1034 \global\let\thanks\relax
1035 \global\let\maketitle\relax
1036 \global\let\@thanks\@empty
1037 \global\let\@author\@empty
1038 \global\let\@title\@empty
1039 \global\let\@date\@empty
1040 \global\let\title\relax
1041 \global\let\author\relax
1042 \global\let\date\relax
1043 \global\let\and\relax
1044 }
1045 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1046 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1047     \futurelet\@tempa\uc@ax}
1048 \def\uc@ax{%
1049     \ifx\@tempa\relax
1050     \else
1051         \\\ \andname \\\ \expandafter\uc@authornothanks
1052     \fi}
1053 \def\uc@tx{\ifx\@tempa\relax
1054     \else \expandafter\uc@ty \fi}
1055 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1056 \else
1057 \renewcommand*\maketitle{\par
1058     \begin{group}
1059         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1060         \long\def\@makefnmark##1{\parindent\z@
1061             \def\labelitemi{\textendash}%
1062             \leavevmode\hb@xt@.5\unitindent{%
1063                 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1064         \if@twocolumn
1065             \ifnum \col@number=\@ne
1066                 \@maketitle
1067             \else
1068                 \twocolumn[\@maketitle]%

```



```

1069     \fi
1070   \else
1071     \newpage
1072     \global\@topnum\z@
1073     \@maketitle
1074   \fi
1075   \thispagestyle{plain}\@thanks
1076 \endgroup
1077 \setcounter{footnote}{0}%
1078 \global\let\thanks\relax
1079 \global\let\maketitle\relax
1080 \global\let\@maketitle\relax
1081 \global\let\@thanks\@empty
1082 \global\let\@author\@empty
1083 \global\let\@title\@empty
1084 \global\let\@date\@empty
1085 \global\let\title\relax
1086 \global\let\author\relax
1087 \global\let\date\relax
1088 \global\let\and\relax
1089 }
1090 \def\@maketitle{%
1091   \newpage
1092   \null
1093   \vskip 2em%
1094   \begin{center}%
1095     \let \footnote \thanks
1096     {\LARGE \TitleFont \@title \par}%
1097     \vskip 1.5em%
1098     {\large \TitleFont
1099       \lineskip .5em%
1100       \begin{tabular}[t]{c}%
1101         \@author
1102       \end{tabular}\par}%
1103     \vskip 1em%
1104     {\large \TitleFont \@date}%
1105   \end{center}%
1106   \par
1107   \vskip 1.5em}
1108 \fi

```

12 File artikel3-xetex-bidi.def

```

1109 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class for
1110 \renewenvironment{theindex}{%
1111   \if@twocolumn
1112     \@restonecolfalse
1113   \else
1114     \@restonecoltrue
1115   \fi

```



```

1116 \columnseprule \z@
1117 \columnsep 35\p@
1118 \twocolumn[\section*{\indexname}]%
1119 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1120 \thispagestyle{plain}\parindent\z@
1121 \parskip\z@ \@plus .3\p@\relax
1122 \let\item\@idxitem
1123 }{%
1124 \if@restonecol\onecolumn\else\clearpage\fi}
1125 \renewcommand*{\headstyle}{%
1126 \interlinepenalty \@M
1127 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1128 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1129 \renewcommand*{\@regtocline[3]}{%
1130 \ifnum #1>\c@tocdepth
1131 \else
1132 \vskip\z@ \@plus.2\p@
1133 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1134 \if@RTL\rightskip\else\leftskip\fi\unitindent
1135 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1136 \parfillskip\z@
1137 \@tempdima\unitindent
1138 \parindent\z@
1139 \leavevmode
1140 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1141 \hskip 1em \nobreak{\slshape #3}\par
1142 }%
1143 \fi}
1144 \if@oldtoc
1145 \renewcommand*{\l@part[2]}{%
1146 \ifnum \c@tocdepth >-2\relax
1147 \addpenalty\@secpenalty
1148 \addvspace{2.25em \@plus\p@}%
1149 \begingroup
1150 \setlength{\@tempdima}{3em}%
1151 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1152 \parfillskip -\@pnumwidth
1153 {\leavevmode
1154 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1155 \nobreak
1156 \if@compatibility
1157 \global\@nobreaktrue
1158 \everypar{\global\@nobreakfalse\everypar{}}%
1159 \fi
1160 \endgroup
1161 \fi}
1162 \else
1163 \renewcommand*{\l@part}{%
1164 \ifnum \c@tocdepth >-2\relax
1165 \addpenalty\@secpenalty

```



```

1166     \addvspace{2.25em \@plus \p@}%
1167     \regtocline{0}%
1168   \fi}
1169 \fi
1170
1171 \if@oldtoc
1172 \renewcommand*\l@section[2]{%
1173   \addpenalty\secpenalty
1174   \addvspace{1.0em \@plus \p@}%
1175   \setlength\tempdima{1.5em}%
1176   \begingroup
1177   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1178   \parfillskip -\@pnumwidth
1179   \leavevmode \bfseries
1180   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1181   \hskip -\if@RTL\rightskip\else\leftskip\fi
1182   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1183   \endgroup}
1184 \else
1185   \renewcommand*\l@section{\@regtocline{1}}
1186 \fi
1187 \if@titlepage
1188   \renewenvironment{abstract}{%
1189     \titlepage
1190     \null\vfil
1191     \section*{\SectFont\abstractname}%
1192     \noindent\ignorespaces}
1193     {\par\vfil\null\endtitlepage}
1194 \else
1195   \renewenvironment{abstract}{%
1196     \if@twocolumn
1197       \section*{\abstractname}%
1198     \else
1199       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1200       \section*{\small\SectFont\abstractname}%
1201       \noindent\ignorespaces
1202     \fi}
1203     {\if@twocolumn\else\par\egroup\fi}
1204 \fi
1205 \renewcommand*\left@footnoterule{%
1206   \kern-3\p@
1207   \kern.5\baselineskip
1208   \hrule\@width\unitindent
1209   \kern.4\baselineskip
1210 }
1211 \renewcommand*\right@footnoterule{%
1212   \kern-3\p@
1213   \kern.5\baselineskip
1214   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1215   \kern.4\baselineskip}

```



```

1216 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1217 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1218 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1219 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1220 \renewenvironment{thebibliography}[1]
1221     {\section*\refname}%
1222     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1223     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
1224     \bidi@thebibliography@font@hook%
1225     \list{\@biblabel{\@arabic\c@enumiv}}%
1226         {\settowidth\labelwidth{\@biblabel{#1}}%
1227         \leftmargin\labelwidth
1228         \advance\leftmargin\labelsep
1229         \@openbib@code
1230         \usecounter{enumiv}%
1231         \let\p@enumiv\@empty
1232         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1233     \sloppy\clubpenalty4000\widowpenalty4000%
1234     \sfcode`. \m}
1235     {\def\@noitemerr
1236     {\@latex@warning{Empty `thebibliography' environment}}%
1237     \endlist}
1238 \if@titlepage
1239 \renewcommand*\TitleFont{\rmfamily}
1240 \renewcommand*\maketitle{%
1241     \begin{titlepage}%
1242     \let\footnotesize\small
1243     \let\right@footnoterule\relax
1244     \let\left@footnoterule\relax
1245     \let\textwidth@footnoterule\relax
1246     \let \footnote \thanks
1247     \long\def\@makefnmark{\parindent\z@
1248     \def\labelitemi{\textendash}\@revlabeltrue
1249     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1250     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1251     \if@compatibility\setcounter{page}{0}\fi
1252     \null\vfil
1253     \vskip 60\p@
1254     \begin{center}%
1255     \TitleFont
1256     {\LARGE \def\{\penalty -\@M}
1257     \if@allcaps
1258     \expandafter\uc@nothanks\@title\thanks\relax
1259     \else
1260     \@title
1261     \fi\par}%
1262     \vskip 3em%
1263     {\large
1264     \lineskip .75em \parindent\z@
1265     \begin{tabular}[t]{c}%

```



```

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

```



```

1316         \@maketitle
1317     \else
1318         \twocolumn[\@maketitle]%
1319     \fi
1320 \else
1321     \newpage
1322     \global\@topnum\z@
1323     \@maketitle
1324 \fi
1325 \thispagestyle{plain}\@thanks
1326 \endgroup
1327 \setcounter{footnote}{0}%
1328 \global\let\thanks\relax
1329 \global\let\maketitle\relax
1330 \global\let\@maketitle\relax
1331 \global\let\@thanks\@empty
1332 \global\let\@author\@empty
1333 \global\let\@title\@empty
1334 \global\let\@date\@empty
1335 \global\let\title\relax
1336 \global\let\author\relax
1337 \global\let\date\relax
1338 \global\let\and\relax
1339 }
1340 \def\@maketitle{%
1341     \newpage
1342     \null
1343     \vskip 2em%
1344     \if@titlecentered
1345         \begin{center}%
1346             \let \footnote \thanks
1347             {\LARGE \TitleFont \@title \par}%
1348             \vskip 1.5em%
1349             {\large \TitleFont
1350              \lineskip .5em%
1351              \begin{tabular}[t]{c}%
1352                  \@author
1353              \end{tabular}\par}%
1354             \vskip 1em%
1355             {\large \TitleFont \@date}%
1356         \end{center}%
1357     \else
1358         {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1359         {\large \TitleFont \lineskip .5em \tabcolsep\z@
1360          \def\and{%% \begin{tabular} has already started
1361           \end{tabular}\hskip 1em plus .17fil
1362           \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
1363           \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1364         \vskip 1em {\large \TitleFont \@date}
1365     \fi

```




```

1366 \par
1367 \vskip 1.5em}
1368 \fi

```

13 File arydshln-xetex-bidi.def

```

1369 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1370 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1371 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1372 \expandafter\let\csname endtabular*\endcsname\endtabular
1373 \let\adl@array\@array
1374 \def\@array{\adl@everyvbox\everyvbox
1375     \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1376     \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1377     \let\adl@noalign\noalign
1378     \adl@array}
1379 \ifadl@usingarypkg
1380 \def\@testpach{\@chclass
1381 \ifnum \@lastchclass=6 \one \@chnum \one \else
1382 \ifnum \@lastchclass=7 5 \else
1383 \ifnum \@lastchclass=8 \tw@ \else
1384 \ifnum \@lastchclass=9 \thr@@
1385 \else \z@
1386 \ifnum \@lastchclass = 10 \else
1387 \edef\@nextchar{\expandafter\string\@nextchar}%
1388 \@chnum
1389 \if \@nextchar c\z@ \else
1390 \if \@nextchar \if@RTLtab r\else l\fi\one \else
1391 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1392 \z@ \@chclass
1393 \if \@nextchar |\one \let\@arrayrule\adl@arrayrule \else
1394 \if \@nextchar : \one \let\@arrayrule\adl@arraydashrule \else
1395 \if \@nextchar ; \one \let\@arrayrule\adl@argarraydashrule \else
1396 \if \@nextchar !6 \else
1397 \if \@nextchar @7 \else
1398 \if \@nextchar <8 \else
1399 \if \@nextchar >9 \else
1400 10
1401 \@chnum
1402 \if \@nextchar m\thr@@\else
1403 \if \@nextchar p4 \else
1404 \if \@nextchar b5 \else
1405 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1406 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1407
1408 \def\@classz{\@classx
1409 \tempcnta \count@
1410 \prepnext@tok
1411 \@addtopreamble{\ifcase \@chnum
1412 \hfil

```



```

1413 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1414 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1415 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1416 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1417 \adl@endmbox\or
1418 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1419 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1420 \fi}\prepnext@tok}
1421 \def\adl@class@start{4}
1422 \def\adl@class@iiiorvii{7}
1423
1424 \else
1425 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1426 \ifnum \@lastchclass=\thr@@ 5\relax \else
1427 \z@ \if #1c\@chnum \z@ \else
1428 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1429 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1430 \@chclass
1431 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1432 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1433 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1434 \if #1@\tw@ \else
1435 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1436 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1437
1438 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1439 \or \or \@addamp \or
1440 \@acolampacol \or \@firststampfalse \@acol \fi
1441 \edef\@preamble{\@preamble
1442 \ifcase \@chnum
1443 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1444 \or \adl@putlrc{\$relax\@sharp$}\hfil
1445 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1446 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1447 \or \or \@addamp \or
1448 \@acolampacol \or \@firststampfalse \@acol \fi
1449 \edef\@preamble{\@preamble
1450 \ifcase \@chnum
1451 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1452 \or \adl@putlrc{\@sharp\unskip}\hfil
1453 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1454 \def\adl@class@start{6}
1455 \def\adl@class@iiiorvii{3}
1456 \fi
1457 \ifpackageloaded{colortbl}{%
1458 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1459 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1460 \let\@endpbox\adl@org@endpbox}
1461 \let\adl@CT@setup\CT@setup
1462 \def\CT@setup{\adl@CT@setup

```



```

1463      \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1464      \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1465      \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1466 \let\adl@act@CT@setup@CT@setup
1467 \def\@classz{\@classx
1468     \@tempcnta\count@ \prepnext@tok
1469     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1470     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1471     \expandafter\adl@extract@drsc
1472         \the\toks\@tempcnta\doublerulesepcolor!\@nil
1473     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1474     \@addtopreamble{\if@RTL\beginL\fi%
1475         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1476         \ifcase \@chnum
1477             \hskip\stretch{.5}\kern\z@
1478             \d@llarbegin
1479             \insert@column
1480             \d@llarend\hskip\stretch{.5}%
1481         \or \d@llarbegin \insert@column \d@llarend \hfill
1482         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1483         \or $\vcenter
1484             \@startpbox{\@nextchar}\insert@column \@endpbox $%
1485         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1486         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1487         \fi
1488         \if@RTL\endR\fi\egroup\egroup
1489     \begingroup
1490         \CT@setup
1491         \CT@column@color
1492         \CT@row@color
1493         \CT@cell@color
1494         \CT@do@color
1495     \endgroup
1496     \@tempdima\ht\z@
1497     \advance\@tempdima\minrowclearance
1498     \vrule\@height\@tempdima\@width\z@
1499     \unhbox\z@\if@RTL\endL\fi}%
1500     \prepnext@tok}
1501 \let\adl@act@classz\@classz
1502 \let\adl@org@classz\@classz
1503 }{}

```

14 File bidi.sty

```

1504 \NeedsTeXFormat{LaTeX2e}
1505 \def\bididate{2018/01/27}
1506 \def\bidi@version{32.5}
1507 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space
1508 Bidirectional typesetting in plain TeX and LaTeX]
1509 \edef\@bidi@info{*****~J%

```



```

1510 * ^^J%
1511 * bidi package (Bidirectional typesetting in^^J%
1512 * plain TeX and LaTeX, using XeTeX engine)^^J%
1513 * ^^J%
1514 * Description: A convenient interface for^^J%
1515 * typesetting bidirectional texts in plain TeX^^J%
1516 * and LaTeX. The package includes adaptations^^J%
1517 * for use with many other commonly-used packages.^^J%
1518 * ^^J%
1519 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1520 * ^^J%
1521 * v\bidi@version, \bididate^^J%
1522 * ^^J%
1523 * License: LaTeX Project Public License, version^^J%
1524 * 1.3c or higher (your choice)^^J%
1525 * ^^J%
1526 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1527 * ^^J%
1528 * Issue tracker: https://github.com/tex-xet/bidi/issues^^J%
1529 * ^^J%
1530 * Support: persian-tex@tug.org^^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{biditools}
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 \newcommand*{\setlatin}{\@nonlatinfalse}
1566 \newcommand*{\setnonlatin}{\@nonlatintrue}
1567 \eqnewif{\if@RTLtab}{\if@tab@rl}
1568 \newif\if@hboxRconstruct
1569 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1570 \newcommand*{\setLTRtable}{\@RTLtabfalse}
1571 \newif\if@bidi@pdfm@mark
1572 \newif\if@RTLmarginpar
1573 \newif\if@LTRmarginpar
1574 \newif\if@LTRbibitems
1575 \newif\if@RTLbibitems
1576 \newif\if@extrafootnotefeatures
1577 \newif\if@parafootRTL
1578 \newif\if@RTLcolumnfootnotes
1579 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1580 \newif\if@bidi@list@minipage@parbox
1581 \newif\if@bidi@list@minipage@parbox@not@nob
1582 \newcommand*{\@bidi@pdfcreator}{%
1583   The bidi package, v\@bidi@version, \@bidi@date
1584 }
1585 \newcommand*{\@bidi@pdfproducer}{%
1586   The bidi package, v\@bidi@version, \@bidi@date
1587 }
1588 \@RTLmainfalse
1589 \AtBeginDocument{%
1590   \if@RTLmain\else
1591     \if@RTL\@RTLmaintrue%
1592     \else\@RTLmainfalse%
1593     \fi%
1594   \fi%
1595 }
1596 \let\n@xt=\
1597 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1598 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1599 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1600 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1601 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1602   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1603 \newinsert\@bidi@copyins@
1604 \skip\@bidi@copyins@=12\p@
1605 \dimen\@bidi@copyins@=40pc
1606 \count\@bidi@copyins@=1000
1607 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1608 \newcommand*{\@bidi@logo@hb@xt@}{%
1609   \if@RTLmain

```



```

1610 \hboxR to
1611 \else
1612 \hboxL to
1613 \fi
1614 }
1615 \newcommand*{\@bidi@logo@}{\@bidi@logo@hb@xt@\textwidth{\hss\LRE{\bfseries Typeset by the \tex
1616 \input{latex-xetex-bidi.def}
1617 \input{loadingorder-xetex-bidi.def}
1618 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1619 \ifcase\bidi@tempb\relax
1620 \RTLtrue
1621 \or
1622 \RTLfalse
1623 \fi}
1624 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1625 \ifcase\bidi@tempb\relax
1626 \RTLtrue
1627 \or
1628 \RTLfalse
1629 \fi}
1630 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}{%
1631 \ifcase\bidi@tempb\relax
1632 \RTLtabtrue
1633 \or
1634 \RTLtabfalse
1635 \fi}
1636 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin,nonlatin}[latin]{%
1637 \ifcase\bidi@tempb\relax
1638 \@nonlatinfalse
1639 \or
1640 \@nonlatintrue
1641 \fi}
1642 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1643 \ifcase\bidi@tempb\relax
1644 \RTLtrue
1645 \or
1646 \RTLfalse
1647 \fi}
1648 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,%
1649 \ifcase\bidi@tempb\relax
1650 \autofootnoterule
1651 \or
1652 \leftfootnoterule
1653 \or
1654 \rightfootnoterule
1655 \or
1656 \SplitFootnoteRule
1657 \or
1658 \textwidthfootnoterule
1659 \fi}

```



```

1660 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
1661 \ifcase\bidi@tempb\relax
1662   \@RTL@footnotetrue
1663 \or
1664   \@RTL@footnotefalse
1665 \fi}
1666 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1667   \ifcase\bidi@tempb\relax
1668     \footdir@debugtrue
1669 \or
1670     \footdir@debugfalse
1671 \fi}
1672 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1673   \ifcase\bidi@tempb\relax
1674     \@extrafootnotefeaturestrue
1675 \or
1676     \@extrafootnotefeaturesfalse
1677 \fi}
1678
1679 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1680   \ifcase\bidi@tempb\relax
1681     \def\bidi@firstcolumn@status@write{%
1682       \protected@write\@auxout{%
1683         {\string\bidi@column@status
1684          {1}}}%
1685     \def\bidi@lastcolumn@status@write{%
1686       \protected@write\@auxout{%
1687         {\string\bidi@column@status{2}}}%
1688 \or
1689     \let\bidi@firstcolumn@status@write\relax
1690     \let\bidi@lastcolumn@status@write\relax
1691 \fi}
1692
1693 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1694   \ifcase\bidi@tempb\relax
1695     \AtBeginDocument{\@bidi@inslogo}%
1696 \or
1697     \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
1698 \fi}
1699
1700 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1701   \ifcase\bidi@tempb\relax
1702     \@bidi@pdfm@marktrue
1703 \or
1704     \@bidi@pdfm@markfalse
1705 \fi}
1706
1707 \ExecuteOptionsX{%
1708   DetectColumn=off,%
1709   logo=on,%

```



```

1710 pdfinfo=on%
1711 }
1712
1713 \ProcessOptionsX
1714
1715 \if@extrafootnotefeatures
1716 \input{extrafootnotefeatures-xetex-bidi.def}
1717 \fi
1718 \newcount\bididigits
1719 \XeTeXinterchartokenstate=\@ne
1720 \newXeTeXintercharclass\bididigits@charclass
1721 \newXeTeXintercharclass\bidisepmark@charclass
1722 \XeTeXcharclass \\. \bidisepmark@charclass
1723 \XeTeXcharclass \- \bidisepmark@charclass
1724 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1725 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1726 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterChar
1727 \newcommand*\{DigitsDotDashInterCharToks}\{ \if@nonlatin\char"200F \fi}
1728 \AtEndDocument{%
1729 \if@bidi@pdfm@mark
1730 \special{pdf:
1731 docinfo<<%
1732 /Creator(\@bidi@pdfcreator)%
1733 /Producer(\@bidi@pdfproducer)%
1734 >>%
1735 }%
1736 \fi
1737 }

```

15 File bidi.tex

```

1738 \def\bididate{2018/01/27}
1739 \catcode\@=11
1740 \def\bidi@version{32.5}
1741 \let \protect \relax
1742 \newlinechar\^^J
1743 \edef\@bidi@info{*****^^J%
1744 * ^^J%
1745 * bidi package (Bidirectional typesetting in^^J%
1746 * plain TeX and LaTeX, using XeTeX engine)^^J%
1747 * ^^J%
1748 * Description: A convenient interface for^^J%
1749 * typesetting bidirectional texts in plain TeX^^J%
1750 * and LaTeX. The package includes adaptations^^J%
1751 * for use with many other commonly-used packages.^^J%
1752 * ^^J%
1753 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1754 * ^^J%
1755 * v\bididate, \bididate^^J%
1756 * ^^J%

```




```

1757 * License: LaTeX Project Public License, version^^J%
1758 * 1.3c or higher (your choice)^^J%
1759 * ^^J%
1760 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1761 * ^^J%
1762 * Issue tracker: https://github.com/tex-xet/bidi/issues^^J%
1763 * ^^J%
1764 * Support: persian-tex@tug.org^^J%
1765 * ^^J%
1766 *****}
1767 \message{\@bidi@info}
1768 \edef\bidi@everyjob{\the\everyjob}
1769 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1770 \def\bidiversion{%
1771   \relax
1772   \ifmmode
1773     \bidi@version
1774   \else
1775     $\bidi@version$
1776   \fi
1777 }
1778 \input iftex.sty
1779 \RequireXeTeX
1780 \newif\if@bidi@pdfm@mark
1781 \newif\if@RTLmain
1782 \newif\if@RTL
1783 \newif\if@hboxRconstruct
1784 \newif\if@sentdir
1785 \newif\if@RTL@footnote
1786 \@RTLmainfalse
1787 \def\setRTLmain{%
1788   \if@RTLmain\else
1789     \if@RTL\@RTLmaintrue%
1790     \else\@RTLmainfalse%
1791     \fi%
1792   \fi%
1793 }
1794 \let\n@xt=\
1795 \protected\def\LRE{\protect\pLRE}%
1796 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1797 \protected\def\RLE{\protect\pRLE}
1798 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1799 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1800   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1801 \newinsert\@bidi@copyins@
1802 \skip\@bidi@copyins@=12\p@
1803 \dimen\@bidi@copyins@=40pc
1804 \count\@bidi@copyins@=1000
1805 \def\@bidi@inslogo@\@bidi@copyins@\@bidi@logo@}
1806 \def\@bidi@logo@hb@xt@{%

```



```

1807 \if@RTLmain
1808 \hboxR to
1809 \else
1810 \hboxL to
1811 \fi
1812 }
1813 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package}}}}
1814 \def\nobidilogo{\let\@bidi@logo@\empty \let\@bidi@inslogo@\empty}
1815 \def\@bidi@pdfcreator{%
1816 The bidi package, v\@bidi@version, \bididate
1817 }
1818 \def\@bidi@pdfproducer{%
1819 The bidi package, v\@bidi@version, \bididate
1820 }
1821 \def\@bidi@pdfm@mark{%
1822 \if@bidi@pdfm@mark
1823 \special{pdf:
1824 docinfo<<%
1825 /Creator(\@bidi@pdfcreator)%
1826 /Producer(\@bidi@pdfproducer)%
1827 >>%
1828 }%
1829 \fi
1830 }
1831 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
1832 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
1833 \input plain-xetex-bidi.def
1834 \@bidi@inslogo@
1835 \outer\def\bye{\par\vfill\supereject\@bidi@pdfm@mark\end}
1836 \catcode\@=12
1837 \bidipdfinfoon

```

16 File bidi2in1.sty

```

1838 \NeedsTeXFormat{LaTeX2e}
1839 \ProvidesPackage{bidi2in1}
1840 \pagestyle{plain}
1841 \newcount\evenpage
1842 \newcount\oddpage
1843 \twocolumn
1844 \def\@oddfoot{\evenpage=\thepage%
1845 \multiply\evenpage by 2%
1846 \oddpage=\the\evenpage%
1847 \advance\oddpage by -1%
1848 \hfil\the\evenpage\hfil\hfil\the\oddpage\hfil}%
1849 \def\@evenfoot{\evenpage=\thepage%
1850 \multiply\evenpage by 2%
1851 \oddpage=\the\evenpage%
1852 \advance\oddpage by -1%
1853 \hfil\the\oddpage\hfil\hfil\the\evenpage\hfil}%

```



```

1854 \textwidth 9.49in
1855 \textheight 6.7in
1856 \columnsep 0.9in
1857 \columnseprule 0.125pt
1858 \headheight 0cm
1859 \topmargin 0in
1860 \marginparwidth 0in
1861 \marginparsep 0in
1862 \hoffset 0.05in % Corrected
1863 \voffset -0.5in %top margin space is 1.0in by default
1864 \oddsidemargin 0in
1865 \evensidemargin 0in
1866 \headsep 0cm
1867 \topskip 0cm
1868 \parskip 0.15in %
1869 \headsep 0pt
1870 \special{papersize=11.69in,8.26in}
1871 \renewcommand\maketitle{\par
1872 \begingroup
1873 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1874 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1875 \long\def\@makefntext##1{\parindent 1em\noindent
1876 \hb@xt@1.8em{%
1877 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1878 \@maketitle
1879 \@thanks
1880 \endgroup
1881 \setcounter{footnote}{0}%
1882 \global\let\thanks\relax
1883 \global\let\maketitle\relax
1884 \global\let\@maketitle\relax
1885 \global\let\@thanks\@empty
1886 \global\let\@author\@empty
1887 \global\let\@date\@empty
1888 \global\let\@title\@empty
1889 \global\let\title\relax
1890 \global\let\author\relax
1891 \global\let\date\relax
1892 \global\let\and\relax
1893 }

```

17 File bidicode.sty

```

1894 \NeedsTeXFormat{LaTeX2e}
1895 \ProvidesPackage{bidicode}
1896 \RequirePackage{xcolor}
1897 \RequirePackage{showexpl}
1898 \definecolor{hellgelb}{rgb}{1,1,0.85}
1899 \definecolor{colKeys}{rgb}{0,0,1}
1900 \definecolor{colIdentifier}{rgb}{0,0,0}

```



```

1901 \definecolor{colComments}{rgb}{1,0,0}
1902 \definecolor{colString}{rgb}{0,0.5,0}
1903 \lstset{
1904     language=[LaTeX]TEX,
1905     float=hb,
1906     basicstyle=\ttfamily\small,
1907     identifierstyle=\color{colIdentifier},
1908     keywordstyle=\color{colKeys},
1909     stringstyle=\color{colString},
1910     commentstyle=\color{colComments},
1911     backgroundcolor=\color{hellgelb},
1912     columns=flexible,
1913     tabsize=4,
1914     extendedchars=true,
1915     showspace=false,
1916     showstringspaces=false,
1917     numbers=left,
1918     numbersep=0.9em,
1919     numberstyle=\tiny, %
1920     frame=single,
1921     captionpos=b,
1922     xleftmargin=1em,
1923     breaklines=true,
1924     breakautoindent=false,
1925     breakindent=0pt,
1926     escapeinside=**,
1927     pos=r,
1928     explpreset={%
1929     xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1930     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1931 }
1932 \newcommand\HLON{%
1933     \gdef\lst@alloverstyle##1{%
1934         \fboxrule=0pt
1935         \fboxsep=0pt
1936         \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1937     }}
1938 \newcommand\HLOFF{%
1939     \xdef\lst@alloverstyle##1{##1}%
1940 }
1941 \newcommand\Larg [1]{\normalfont\itshape#1\textit{}}
1942 \newcommand\Larga[1]{\normalfont\textit{Larg{#1}}\textit{}}
1943 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
1944 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
1945 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
1946 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}
1947 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}
1948
1949 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
1950 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}

```



```

1951 \DeclareRobustCommand\rcb{{\normalfont\ttfamily\char`\\}}
1952 \DeclareRobustCommand\lsb{{\normalfont\ttfamily[]}}
1953 \DeclareRobustCommand\rsb{{\normalfont\ttfamily[]}}
1954 \DeclareRobustCommand\lrb{{\normalfont\ttfamily{}}}
1955 \DeclareRobustCommand\rrb{{\normalfont\ttfamily)}}}
1956
1957 \def\Lcs#1{\nxLcs{#1}}
1958 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1959 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1960
1961 \def\Coordx#1{$x_{#1}$}
1962 \def\Coordy#1{$y_{#1}$}
1963 \def\Coordz#1{$z_{#1}$}
1964 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1965 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1966 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1967 \def\CAny{\Coordx{}},\kern 1pt\Coordy{}
1968 \def\CIIIAny{\Coordx{}},\kern 1pt\Coordy{}},\kern 1pt\Coordz{}
1969 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
1970 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
1971 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
1972 \def\coordx#1{($x_{#1}$)}
1973 \def\coordy#1{($y_{#1}$)}
1974 \def\coordz#1{($z_{#1}$)}
1975 \def\cAny{(\Coordx{}},\kern 1pt\Coordy{}}
1976 \def\ciiiiAny{(\Coordx{}},\kern 1pt\Coordy{}},\kern 1pt\Coordz{}}
1977
1978 \newsavebox{\boxdef}
1979 \newenvironment{BDef}
1980   {\begin{lrbox}\boxdef
1981     \def\arraystretch{1.0}
1982     \begin{tabular}{@{}l@{}l@{}l@{}}
1983   }
1984   {\end{tabular}\end{lrbox}}
1985
1986   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1987   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1988   }
1989
1990 \newenvironment{BDef*}
1991   {\begin{lrbox}\boxdef
1992     \def\arraystretch{1.0}
1993     \begin{tabular}{@{}l@{}l@{}l@{}}
1994   }
1995   {\end{tabular}\end{lrbox}}
1996   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
1997   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1998   }
1999 \newenvironment{BCmd}{
2000   \@beginparpenalty-\@lowpenalty

```



```

2001 \topsep\BDefaboveskip
2002 \fboxsep3pt
2003 \flushleft}
2004 {\@endparpenalty\@M
2005 \@topsepadd\BDefbelowskip
2006 \endflushleft}
2007
2008 \newenvironment{BCmd*}{
2009 \@beginparpenalty\@M
2010 \topsep\BDefinlineskip
2011 \fboxsep3pt
2012 \flushleft}
2013 {\@endparpenalty5000
2014 \endflushleft}
2015
2016 \newskip\BDefaboveskip
2017 \newskip\BDefbelowskip
2018 \newskip\BDefinlineskip
2019 \setlength\BDefaboveskip{10pt plus 4pt}
2020 \setlength\BDefbelowskip{6pt}
2021 \setlength\BDefinlineskip{6pt}
2022
2023 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
2024 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2025 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
2026 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

18 File bidiftnxtra.sty

```

2027 \NeedsTeXFormat{LaTeX2e}
2028 \ProvidesPackage{bidiftnxtra}
2029 \newtoks\bidip@ftn
2030 \let\FN@sffootnote\footnote
2031 \let\FN@sff@LTRfootnote\LTRfootnote
2032 \let\FN@sff@RTLfootnote\RTLfootnote
2033 \def\footnote{\ifx\protect\@typeset@protect
2034 \expandafter\FN@sffootnote
2035 \else
2036 \expandafter\FN@sff@gobble@opt
2037 \fi
2038 }
2039 \def\LTRfootnote{\ifx\protect\@typeset@protect
2040 \expandafter\FN@sff@LTRfootnote
2041 \else
2042 \expandafter\FN@sff@gobble@opt
2043 \fi
2044 }
2045 \def\RTLfootnote{\ifx\protect\@typeset@protect
2046 \expandafter\FN@sff@RTLfootnote
2047 \else

```



```

2048 \expandafter\FN@sfgobble@opt
2049 \fi
2050 }
2051 \edef\FN@sfgobble@opt{\noexpand\protect
2052 \expandafter\noexpand\csname FN@sfgobble@opt \endcsname}
2053 \expandafter\def\csname FN@sfgobble@opt \endcsname{%
2054 \@ifnextchar[%]
2055 \FN@sfgobble@twobrace
2056 \@gobble
2057 }
2058 \def\FN@sfgobble@twobrace[#1]#2{}
2059 \let\FN@sfgobble@footnotemark\footnotemark
2060 \def\footnotemark{\ifx\protect\@typeset@protect
2061 \expandafter\FN@sfgobble@footnotemark
2062 \else
2063 \expandafter\FN@sfgobble@optonly
2064 \fi
2065 }
2066 \edef\FN@sfgobble@optonly{\noexpand\protect
2067 \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
2068 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
2069 \@ifnextchar[%]
2070 \FN@sfgobble@brace
2071 {}%
2072 }
2073 \def\FN@sfgobble@brace[#1]{}
2074 \def\@tabular{%
2075 \leavevmode \hbox \bgroup
2076 \let\@footnotetext\@bidi@p@ftntext
2077 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2078 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2079 \let\@xfootnotenext\@bidi@p@xftntext
2080 \let\@xfootnote\@bidi@p@xfootnote
2081 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2082 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2083 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2084 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2085 \if@RTLtab\beginR \fi
2086 $\let\@acol\@tabacol
2087 \let\@classz\@tabclassz
2088 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2089 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2090 \egroup $\if@RTLtab\endR\fi\egroup
2091 \ifx\@c@type\@undefined
2092 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2093 \long\def\@bidi@p@ftntext#1{%
2094 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2095 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2096 \long\def\@bidi@p@LTRftntext#1{%
2097 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%

```



```

2098 \global\bidip@ftn\expandafter{\@tempyi{#1}}}%
2099 \long\def\bidip@RTLftntext#1{%
2100 \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}%
2101 \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
2102
2103
2104 \long\def\bidip@xftntext[#1]#2{%
2105 \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
2106
2107 \long\def\bidip@xLTRftntext[#1]#2{%
2108 \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
2109
2110 \long\def\bidip@xRTLftntext[#1]#2{%
2111 \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
2112
2113
2114 \def\bidip@xfootnote[#1]{%
2115 \begingroup
2116 \csname c@\mpfn\endcsname #1\relax
2117 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2118 \endgroup
2119 \@footnotemark\bidip@xftntext[#1]}
2120
2121
2122 \def\bidip@xLTRfootnote[#1]{%
2123 \begingroup
2124 \csname c@\mpfn\endcsname #1\relax
2125 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2126 \endgroup
2127 \@footnotemark\bidip@xLTRftntext[#1]}
2128
2129
2130 \def\bidip@xRTLfootnote[#1]{%
2131 \begingroup
2132 \csname c@\mpfn\endcsname #1\relax
2133 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2134 \endgroup
2135 \@footnotemark\bidip@xRTLftntext[#1]}
2136
2137 \def\@xfloat #1[#2]{%
2138 \@nodocument
2139 \def \@captype {#1}%
2140 \def \@fps {#2}%
2141 \@onelevel@sanitize \@fps
2142 \def \reserved@b {!}%
2143 \ifx \reserved@b \@fps
2144 \@fpsadddefault
2145 \else
2146 \ifx \@fps \@empty
2147 \@fpsadddefault

```




```

2148     \fi
2149 \fi
2150 \ifhmode
2151     \@bsphack
2152     \@floatpenalty -\@Mii
2153 \else
2154     \@floatpenalty-\@Miii
2155 \fi
2156 \ifinner
2157     \@parmoderr\@floatpenalty\z@
2158 \else
2159     \@next\@currbox\@freelist
2160     {%
2161         \@tempcnta \sixt@@n
2162         \expandafter \@tfor \expandafter \reserved@a
2163             \expandafter :\expandafter =\@fps
2164         \do
2165         {%
2166             \if \reserved@a h%
2167                 \ifodd \@tempcnta
2168                 \else
2169                     \advance \@tempcnta \@ne
2170                 \fi
2171             \fi
2172             \if \reserved@a t%
2173                 \@setfpsbit \tw@
2174             \fi
2175             \if \reserved@a b%
2176                 \@setfpsbit 4%
2177             \fi
2178             \if \reserved@a p%
2179                 \@setfpsbit 8%
2180             \fi
2181             \if \reserved@a !%
2182                 \ifnum \@tempcnta>15
2183                     \advance\@tempcnta -\sixt@@n\relax
2184                 \fi
2185             \fi
2186         }%
2187         \@tempcntb \csname ftype@\@capytype \endcsname
2188         \multiply \@tempcntb \@xxxii
2189         \advance \@tempcnta \@tempcntb
2190         \global \count\@currbox \@tempcnta
2191     }%
2192 \@fltovf
2193 \fi
2194 \global \setbox\@currbox
2195     \color@vbox
2196     \normalcolor
2197     \vbox \bgroup

```



```

2198 \let\@footnotetext\bidip@ftntext
2199 \let\@LTRfootnotetext\bidip@LTRftntext
2200 \let\@RTLfootnotetext\bidip@RTLftntext
2201 \let\@xfootnotenext\bidip@xftntext
2202 \let\@xfootnote\bidip@xfootnote
2203 \let\@xLTRfootnotenext\bidip@xLTRftntext
2204 \let\@xLTRfootnote\bidip@xLTRfootnote
2205 \let\@xRTLfootnotenext\bidip@xRTLftntext
2206 \let\@xRTLfootnote\bidip@xRTLfootnote
2207 \hsize\columnwidth
2208 \@parboxrestore
2209 \@floatboxreset
2210 }
2211 \def \@endfloatbox{%
2212 \par\vskip\z@skip %% \par\vskip\z@ added 15 Dec 87
2213 \@minipagefalse
2214 \outer@nobreak
2215 \egroup %% end of vbox
2216 \global\bidip@ftn\expandafter{\expandafter}\the\bidip@ftn
2217 \color@endbox
2218 }

```

19 File bidimoderncv.cls

```

2219 \NeedsTeXFormat{LaTeX2e}
2220 \ProvidesClass{bidimoderncv}
2221 \newif\if@DEBUG\@DEBUGfalse
2222 \DeclareOption{a4paper}{
2223 \setlength\paperheight{297mm}
2224 \setlength\paperwidth{210mm}}
2225 \DeclareOption{a5paper}{
2226 \setlength\paperheight{210mm}
2227 \setlength\paperwidth{148mm}}
2228 \DeclareOption{b5paper}{
2229 \setlength\paperheight{250mm}
2230 \setlength\paperwidth{176mm}}
2231 \DeclareOption{letterpaper}{
2232 \setlength\paperheight{11in}
2233 \setlength\paperwidth{8.5in}}
2234 \DeclareOption{legalpaper}{
2235 \setlength\paperheight{14in}
2236 \setlength\paperwidth{8.5in}}
2237 \DeclareOption{executivepaper}{
2238 \setlength\paperheight{10.5in}
2239 \setlength\paperwidth{7.25in}}
2240 \DeclareOption{landscape}{
2241 \setlength\@tempdima{\paperheight}
2242 \setlength\paperheight{\paperwidth}
2243 \setlength\paperwidth{\@tempdima}}
2244 \newcommand\@ptsize{}

```



```

2245 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2246 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2247 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2248 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2249 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2250 \newif\if@colour\@colourtrue
2251 \DeclareOption{nocolour}{\@colourfalse}
2252 \ExecuteOptions{a4paper,11pt,colour,final}
2253 \ProcessOptions\relax
2254 \input{size1\@ptsize.clo}
2255 \RequirePackage{color}
2256 \RequirePackage{graphicx}
2257 \RequirePackage{ifthen}
2258 \RequirePackage{marvosym}
2259 \addtolength{\oddsidemargin}{-54pt}
2260 \addtolength{\textwidth}{109pt}
2261 \addtolength{\topmargin}{-70pt}
2262 \addtolength{\textheight}{122pt}
2263 \addtolength{\marginparsep}{-5pt}
2264 \addtolength{\marginparwidth}{-10pt}
2265 \RequirePackage{url}
2266 \RequirePackage{hyperref}
2267 \hypersetup{%
2268   breaklinks,
2269   baseurl      = http://,%
2270   pdfborder    = 0 0 0,%
2271   pdfpagemode  = UseNone,%
2272   pdfstartpage = 1}
2273 \AtEndOfClass{%
2274   \AtBeginDocument{%
2275     \hypersetup{%
2276       pdfauthor    = \@firstname~\@familyname,%
2277       pdftitle     = \@title,%
2278       pdfsubject   = \@firstname~\@familyname,%
2279       pdfkeywords  = \@resumename~\@firstname~\@familyname}}}
2280 \urlstyle{tt}
2281 \RequirePackage{fancyhdr}
2282 \fancypagestyle{plain}{%
2283   \renewcommand{\headrulewidth}{0pt}
2284   \renewcommand{\footrulewidth}{0pt}
2285   \fancyhf{}}
2286 \pagestyle{plain}
2287 \setlength\lineskip{1\p@}
2288 \setlength\normallineskip{1\p@}
2289 \renewcommand\baselinestretch{}
2290 \setlength{\parindent}{0pt}
2291 \setlength{\parskip}{0pt}
2292 \setlength\columnsep{10\p@}
2293 \setlength\columnseprule{0\p@}
2294 \pagestyle{empty}

```



```

2295 \pagenumbering{arabic}
2296 \raggedbottom
2297 \onecolumn
2298 \providecommand*{\listitemsymbol}{\textbullet}
2299 \providecommand*{\addresssymbol}{}
2300 \providecommand*{\mobilesymbol}{\Mobilefone}
2301 \providecommand*{\phonesymbol}{\Telefon}
2302 \providecommand*{\faxsymbol}{\FAX}
2303 \providecommand*{\emailsymbol}{\Letter}
2304 \definecolor{firstnamecolour}{rgb}{0,0,0}
2305 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2306 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2307 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2308 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2309 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2310 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2311 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2312 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2313 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2314 \providecommand*{\firstnamefont}{}
2315 \providecommand*{\familynamefont}{}
2316 \providecommand*{\titlefont}{}
2317 \providecommand*{\addressfont}{}
2318 \providecommand*{\quoteftfont}{}
2319 \providecommand*{\sectionfont}{}
2320 \providecommand*{\subsectionfont}{}
2321 \providecommand*{\hintfont}{\small}
2322 \providecommand*{\firstnamestyle}[1]{\{\@firstnamefont\@firstnamecolour#1\}}
2323 \providecommand*{\familynamestyle}[1]{\{\@familynamefont\@familynamecolour#1\}}
2324 \providecommand*{\titlestyle}[1]{\{\@titlefont\@titlecolour#1\}}
2325 \providecommand*{\addresstyle}[1]{\{\@addressfont\@addresscolour#1\}}
2326 \providecommand*{\quotestyle}[1]{\{\@quoteftfont\@quotecolour#1\}}
2327 \providecommand*{\sectionstyle}[1]{\{\@sectionfont\@sectiontitlecolour#1\}}
2328 \providecommand*{\subsectionstyle}[1]{\{\@subsectionfont\@subsectioncolour#1\}}
2329 \providecommand*{\hintstyle}[1]{\{\@hintfont\@hintcolour#1\}}
2330 \newcommand*{\cvtheme}[2]{}
2331 \def\@cvtheme{#2}
2332 \def\@cvthemeoptions{#1}
2333 \cvtheme{bidi-casual}
2334 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2335 \newcommand*{\resumename}[1]{\def\@resumename{#1}}
2336 \newcommand*{\firstname}[1]{\def\@firstname{#1}}
2337 \newcommand*{\familyname}[1]{\def\@familyname{#1}}
2338 \renewcommand*{\title}[1]{\def\@title{#1}}
2339 \newcommand*{\address}[1]{\def\@address{#1}}
2340 \newcommand*{\mobile}[1]{\def\@mobile{#1}}
2341 \newcommand*{\phone}[1]{\def\@phone{#1}}
2342 \renewcommand*{\fax}[1]{\def\@fax{#1}}
2343 \newcommand*{\email}[1]{\def\@email{#1}}
2344 \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}

```



```

2345 \def\@photowidth{0pt}
2346 \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2347 \newcommand*{\quote}[1]{\def\@quote{#1}}
2348 \newlength{\quotewidth}
2349 \newlength{\hintscolumnwidth}
2350 \newlength{\separatorcolumnwidth}
2351 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2352 \newlength{\maincolumnwidth}
2353 \newlength{\doubleitemmaincolumnwidth}
2354 \newlength{\listitemsymbolwidth}
2355 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2356 \newlength{\listitemmaincolumnwidth}
2357 \newlength{\listdoubleitemmaincolumnwidth}
2358 \newcommand*{\recomputethemelengths}{}
2359 \newcommand*{\recomputelengths}{%
2360 \setlength{\quotewidth}{0.65\textwidth}%
2361 \setlength{\maincolumnwidth}{\textwidth}%
2362 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2363 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2364 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2365 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2366 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2367 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2368 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2369 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2370 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2371 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2372 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2373 \renewcommand{\headwidth}{\textwidth}%
2374 \recomputethemelengths}
2375 \setlength{\hintscolumnwidth}{0.15\textwidth}
2376 \recomputelengths
2377 \title{}
2378 \renewcommand*{\maketitle}{}
2379 \newcommand*{\section}[1]{%
2380 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2381 \phantomsection}%
2382 \addcontentsline{toc}{part}{#1}%
2383 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
2384 \hspace{\separatorcolumnwidth}%
2385 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\}[1ex]}
2386 \newcommand*{\subsection}[1]{%
2387 \cvline[0.45em]{\subsectionstyle{#1}}
2388 \newcommand*{\cvline}[3][.25em]{%
2389 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}
2390 \bidi@raggedleft\hintfont{#2} &{#3}%
2391 \end{tabular}}\}[#1]}
2392 \newcommand*{\cvdoubleitem}[4]{%
2393 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2394 \hfill%

```



```

2395 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\s
2396 \newcommand*{\cvlistitem}[2][\listitemsymbol{}]{%
2397 \cvline[0pt]{\#1~\begin{minipage}[t]{\listitemmaincolumnwidth}\#2\end{minipage}}
2398 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol{}]{%
2399 \cvline[0pt]{\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}\#2\end{minipage}}%
2400 \hfill%
2401 \ifthenelse{\equal{#3}{}}{%
2402 {}%
2403 {\#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}\#3\end{minipage}}}}
2404 \newcommand*{\cventry}[6]{%
2405 \cvline{#1}{%
2406 {\bfseries#2}%
2407 \ifx#3\else{, {\slshape#3}}\fi%
2408 \ifx#4\else{, #4}\fi%
2409 \ifx#5\else{, #5}\fi%
2410 .%
2411 \ifx#6\else{\newline{\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2412 }}%
2413 \newcommand*{\cvlanguage}[3]{%
2414 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{
2415 \newcommand*{\cvcomputer}[4]{%
2416 \cdoubleitem{#1}{\small#2}{#3}{\small#4}}
2417 \newcommand*{\link}[2][{}]{%
2418 \ifthenelse{\equal{#1}{}}{%
2419 {\href{#2}{#2}}%
2420 {\href{#2}{#1}}}
2421 \newcommand*{\httplink}[2][{}]{%
2422 \ifthenelse{\equal{#1}{}}{%
2423 {\href{http://#2}{#2}}%
2424 {\href{http://#2}{#1}}}
2425 \newcommand*{\emailink}[2][{}]{%
2426 \ifthenelse{\equal{#1}{}}{%
2427 {\href{mailto:#2}{#2}}%
2428 {\href{mailto:#2}{#1}}}
2429 \newif\if@displaypagenumbers\@displaypagenumberstrue
2430 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2431 \AtBeginDocument{%
2432 \if@displaypagenumbers%
2433 \ifundefined{r@lastpage}{\fi%
2434 \ifthenelse{\pageref{lastpage} > 1}{%
2435 \fancypagestyle{plain}{%
2436 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL\endL\page
2437 \pagestyle{plain}}}%
2438 \AtEndDocument{\label{lastpage}}%
2439 \fi}
2440 \newlength{\bibindent}
2441 \setlength{\bibindent}{1.5em}
2442 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2443 \newenvironment{thebibliography}[1]{%
2444 {}

```



```

2445 \section{\refname}%
2446 \small%
2447 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLBibitems\@RTLtrue\else\fi\fi
2448 \bidi@thebibliography@font@hook%
2449 \begin{list}{\bibliographyitemlabel}%
2450 {%
2451 \setlength{\topsep}{0pt}%
2452 \setlength{\labelwidth}{\hintscolumnwidth}%
2453 \setlength{\labelsep}{\separatorcolumnwidth}%
2454 \leftmargin\labelwidth%
2455 \advance\leftmargin\labelsep%
2456 \@openbib@code%
2457 \usecounter{enumiv}%
2458 \let\p@enumiv\@empty%
2459 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2460 \sloppy\clubpenalty4000\widowpenalty4000%
2461 }%
2462 {%
2463 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2464 \end{list}%
2465 }
2466 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2467 \let\@openbib@code\@empty

```

20 File biditools.sty

```

2468 \NeedsTeXFormat{LaTeX2e}
2469 \ProvidesPackage{biditools}[2017/10/11 v1.2 Programming tools for bidi package]
2470 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2471 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2472 \ifx\@tempa\@tempb \global\let#2#1%
2473 \else
2474 \edef\@tempb{\meaning#2}%
2475 \ifx\@tempa\@tempb
2476 \else
2477 \@latex@error{Unable to properly define \string#2; primitive
2478 \noexpand#1no longer primitive}\@eha
2479 \fi
2480 \fi
2481 \endgroup}
2482 \newtoks\@bidi@envbody
2483 \newtoks\@bidi@emptytoks
2484 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2485 \def\bidi@collect@body#1{%
2486 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2487 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}}%
2488 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2489 \begingroup
2490 \expandafter\let\csname\@currentvir\endcsname\bidi@collect@body
2491 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%

```



```

2492 \bidi@process@envbody
2493 }
2494 \def\bidi@push@begins#1\begin#2{%
2495 \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2496 }
2497 \def\bidi@collect@@body#1\end#2{%
2498 \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2499 \ifx\@empty\begin@bidi@stack
2500 \endgroup
2501 \@checkend{#2}%
2502 \bidi@addto@envbody{#1}%
2503 \else
2504 \bidi@addto@envbody{#1\end{#2}}%
2505 \fi
2506 \bidi@process@envbody % A little tricky! Note the grouping
2507 }
2508 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2509 \long\def\bidi@collect@long@body#1{%
2510 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2511 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\currenvir}}%
2512 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2513 \begingroup
2514 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@@body
2515 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2516 \bidi@process@envbody
2517 }
2518 \long\def\bidi@push@long@begins#1\begin#2{%
2519 \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2520 }
2521 \long\def\bidi@collect@long@@body#1\end#2{%
2522 \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2523 \ifx\@empty\begin@bidi@stack
2524 \endgroup
2525 \@checkend{#2}%
2526 \bidi@addto@long@envbody{#1}%
2527 \else
2528 \bidi@addto@long@envbody{#1\end{#2}}%
2529 \fi
2530 \bidi@process@envbody % A little tricky! Note the grouping
2531 }
2532 \long\def\bidi@new@ifnextchar#1#2#3{%
2533 \let\reserved@d= #1%
2534 \def\reserved@a{#2}\def\reserved@b{#3}%
2535 \futurelet\@let@token\bidi@new@ifnch
2536 }
2537 \def\bidi@new@ifnch{%
2538 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2539 \reserved@b
2540 }
2541 \def\bidi@matrix@check#1{%

```




```

2542 \expandafter\ifx\csname\@currentenv\endcsname#1%
2543 \else\bidimatrix@error#1%
2544 \expandafter\@gobble
2545 \fi
2546 }
2547 \def\bidimatrix@error#1{%
2548 \PackageError{biditools}{%
2549 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2550 }{%
2551 '\string#1{...}' is old bidi package syntax whose use is
2552 ill-advised in the old versions of bidi package.%
2553 }%
2554 }
2555 \def\@tagsextension{clo}
2556 \def\@definitionfileextension{def}
2557 \def\@texfileextension{tex}
2558 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2559 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2560 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2561 \def\eqnewif#1#2{%
2562 \count@\escapechar \escapechar\m@ne
2563 \let#1\iffalse
2564 \let#2\iffalse
2565 \eq@if#1#2\iftrue
2566 \eq@if#1#2\iffalse
2567 \escapechar\count@}
2568 \def\eq@if#1#2#3{%
2569 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2570 \expandafter\@gobbletwo\string#3\endcsname
2571 {\let#1#3%
2572 \let#2#3}%
2573 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2574 \expandafter\@gobbletwo\string#3\endcsname
2575 {\let#2#3%
2576 \let#1#3}}
2577 \newcommand*\SetBoolean}[2]{%
2578 \lowercase{\def\@tempa{#2}}%
2579 \@ifundefined{\@tempswa\@tempa}%
2580 {\PackageError{biditools}%
2581 {You can only set a boolean to `true' or `false'}\@ehc}%
2582 {\@ifundefined{#1\@tempa}%
2583 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2584 {\csname#1\@tempa\endcsname}}%
2585 \newcommand*\GlobalSetBoolean}[2]{%
2586 \lowercase{\def\@tempa{#2}}%
2587 \@ifundefined{\@tempswa\@tempa}%
2588 {\PackageError{biditools}%
2589 {You can only set a boolean to `true' or `false'}\@ehc}%
2590 {\@ifundefined{#1\@tempa}%
2591 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%

```



```

2592     {\global\csname#1\@tempa\endcsname}}
2593 \newcommand*{\SetatBoolean}[2]{%
2594   \lowercase{\def\@tempa{#2}}%
2595   \ifundefined{\tempswa\@tempa}%
2596     {\PackageError{biditools}%
2597       {You can only set a boolean to `true' or `false'}\@ehc}%
2598   {\ifundefined{\@#1\@tempa}%
2599     {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2600     {\csname @#1\@tempa\endcsname}}}
2601 \newcommand*{\GlobalSetatBoolean}[2]{%
2602   \lowercase{\def\@tempa{#2}}%
2603   \ifundefined{\tempswa\@tempa}%
2604     {\PackageError{biditools}%
2605       {You can only set a boolean to `true' or `false'}\@ehc}%
2606     {\ifundefined{\@#1\@tempa}%
2607       {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2608       {\global\csname @#1\@tempa\endcsname}}}
2609 \def\@bidi@removefromreset#1#2{%
2610   \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2611   \def\@elt##1{%
2612     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2613     \else
2614       \noexpand\@elt{##1}%
2615     \fi}%
2616   \expandafter\xdef\csname cl@#2\endcsname{%
2617     \csname cl@#2\endcsname}}
2618 \newcommand*{\ifRtoL}{%
2619   \if@RTL
2620     \expandafter\@firstoftwo
2621   \else
2622     \expandafter\@secondoftwo
2623   \fi}
2624 \newcommand*{\ifLtoR}{%
2625   \if@RTL
2626     \expandafter\@secondoftwo
2627   \else
2628     \expandafter\@firstoftwo
2629   \fi}
2630 \newcommand*{\ifRtoLtable}{%
2631   \if@RTLtab
2632     \expandafter\@firstoftwo
2633   \else
2634     \expandafter\@secondoftwo
2635   \fi}
2636 \newcommand*{\ifLtoRtable}{%
2637   \if@RTLtab
2638     \expandafter\@secondoftwo
2639   \else
2640     \expandafter\@firstoftwo
2641   \fi}

```



```

2642 \newcommand*{\ifRtoLhboxconstruct}{%
2643   \if@hboxRconstruct
2644     \expandafter\@firstoftwo
2645   \else
2646     \expandafter\@secondoftwo
2647   \fi}
2648 \newcommand*{\ifLtoRhboxconstruct}{%
2649   \if@hboxRconstruct
2650     \expandafter\@secondoftwo
2651   \else
2652     \expandafter\@firstoftwo
2653   \fi}
2654 \newcommand*{\iflatin}{%
2655   \if@nonlatin
2656     \expandafter\@secondoftwo
2657   \else
2658     \expandafter\@firstoftwo
2659   \fi}
2660 \newcommand*{\ifnonlatin}{%
2661   \if@nonlatin
2662     \expandafter\@firstoftwo
2663   \else
2664     \expandafter\@secondoftwo
2665   \fi}
2666
2667 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
2668   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2669
2670 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%
2671   \dimexpr #1*65536/\dimexpr 1pt\relax}
2672
2673 \newcommand*{\if@bidi@csdef}[1]{%
2674   \ifcsname#1\endcsname
2675     \expandafter\@firstoftwo
2676   \else
2677     \expandafter\@secondoftwo
2678   \fi}
2679 \newcommand*{\if@bidi@csundef}[1]{%
2680   \ifcsname#1\endcsname
2681     \expandafter\ifx\csname#1\endcsname\relax
2682       \expandafter\expandafter
2683       \expandafter\@firstoftwo
2684     \else
2685       \expandafter\expandafter
2686       \expandafter\@secondoftwo
2687     \fi
2688   \else
2689     \expandafter\@firstoftwo
2690   \fi}
2691 \newcommand{\if@bidi@def}[1]{%

```



```

2692 \ifdefined#1%
2693   \expandafter\@firstoftwo
2694 \else
2695   \expandafter\@secondoftwo
2696 \fi}
2697 \newcommand{\if@bidi@undef}[1]{%
2698   \ifdefined#1%
2699     \ifx#1\relax
2700       \expandafter\expandafter
2701       \expandafter\@firstoftwo
2702     \else
2703       \expandafter\expandafter
2704       \expandafter\@secondoftwo
2705     \fi
2706   \else
2707     \expandafter\@firstoftwo
2708   \fi}
2709 \newcommand{\if@bidi@blank}[1]{% from url.sty
2710   \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2711 \long\def\bidi@ifblank@i#1#2&#3#4#5:#{#4}
2712 \newcommand{\bidi@notblank}[1]{%
2713   \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2714 \newcommand{\if@bidi@defmacro}{%
2715   \long\edef\if@bidi@defmacro#1{%
2716     \noexpand\expandafter\noexpand\bidi@ifdefmacro
2717     \noexpand\meaning#1\detokenize{macro}:&}
2718   \edef\bidi@ifdefmacro{%
2719     \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2720   \bidi@ifdefmacro{\bidi@notblank{#2}}
2721 \newcommand*{\if@bidi@csmacro}[1]{%
2722   \if@bidi@csdef{#1}
2723     {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2724     {\@secondoftwo}}
2725 \newcommand{\if@bidi@defprimitive}[1]{%
2726   \ifprimitive#1%
2727     \expandafter\@firstoftwo
2728   \else
2729     \expandafter\@secondoftwo
2730   \fi}
2731 \newcommand{\if@bidi@csprimitive}[1]{%
2732   \begingroup\expandafter\expandafter\expandafter\endgroup%
2733   \expandafter\ifprimitive\csname#1\endcsname%
2734   \expandafter\@firstoftwo
2735 \else
2736   \expandafter\@secondoftwo
2737 \fi}
2738 \newcommand*{\bidi@csdefcs}[2]{%
2739   \expandafter\@ifdefinable \csname#1\endcsname{%
2740     \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}}
2741 \newcommand*{\bidi@csletcs}[2]{%

```



```

2742 \expandafter\@ifdefinable \csname#1\endcsname{%
2743 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2744 \newcommand*{\bidi@cslet}[2]{%
2745 \expandafter\@ifdefinable \csname#1\endcsname{%
2746 \expandafter\let\csname#1\endcsname#2}}
2747 \newcommand{\bidi@namelongdef}[1]{%
2748 \long\expandafter\def\csname #1\endcsname}
2749 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2750 \def\bidi@ensure@new@command#1{%
2751 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2752 \expandafter\if\bidi@csundef\@gtempa
2753 {\new@command#1}{\relax%
2754 \let\@ifdefinable\@rc@ifdefinable%
2755 \new@command#1}}
2756 \def\bidi@ensure@newlength#1{\if\bidi@undef#1{\newskip#1}{}}
2757
2758 \protected\def\bidi@error{\PackageError{bidi}}
2759 \protected\def\bidi@warning{\PackageWarning{bidi}}
2760 \protected\def\bidi@info{\PackageInfo{bidi}}
2761
2762
2763 \newcommand*{\setbaselineskip}[1]{%
2764 \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}r
2765 \selectfont
2766 }
2767
2768
2769 \newcommand*{\bidi@newrobustcmd}{%}
2770 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2771
2772 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2773
2774 \def\bidi@newcommand#1[#2]{%
2775 \@ifnextchar[%]
2776 {\bidi@xargdef#1[#2]}
2777 {\ifx\l@ngrel@x\relax
2778 \let\l@ngrel@x\protected
2779 \else
2780 \protected\def\l@ngrel@x{\protected\long}%
2781 \fi
2782 \@argdef#1[#2]}}
2783
2784 \long\def\bidi@xargdef#1[#2][#3]#4{%
2785 \@ifdefinable#1{%
2786 \expandafter\protected
2787 \expandafter\def
2788 \expandafter#1%
2789 \expandafter{%
2790 \expandafter\@testopt
2791 \csname\string#1\endcsname{#3}}}%

```



```

2792 \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
2793
2794 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2795
2796 \def\bidi@renew@command#1{%
2797   \if@bidi@undef{#1}
2798     {\bidi@error{\string#1 undefined}\@ehc}
2799     }%
2800   \let\@ifdefinable\@rc@ifdefinable
2801   \bidi@new@command#1}
2802
2803
2804
2805 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2806
2807 \def\bidi@provide@command#1{%
2808   \if@bidi@undef{#1}
2809     {\def\reserved@a{\bidi@new@command#1}}
2810     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2811   \reserved@a}
2812
2813 \newcommand*{\bidi@csuse}[1]{%
2814   \ifcsname#1\endcsname
2815     \csname#1\expandafter\endcsname
2816   \fi}
2817
2818 \newcommand{\bidi@expandonce}[1]{%
2819   \unexpanded\expandafter{#1}}
2820
2821 \def\bidi@protected{%
2822   \let\@protect\protect
2823   \let\protect\@unexpandable@protect
2824   \afterassignment\restore@protect}
2825
2826 \bidi@newrobustcmd{\bidi@appto}[2]{%
2827   \if@bidi@undef{#1}
2828     {\edef#1{\unexpanded{#2}}}
2829     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2830 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2831   \if@bidi@undef{#1}
2832     {\edef#1{#2}}
2833     {\edef#1{\bidi@expandonce#1#2}}}
2834 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2835   \if@bidi@undef{#1}
2836     {\xdef#1{\unexpanded{#2}}}
2837     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2838 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2839   \if@bidi@undef{#1}
2840     {\xdef#1{#2}}
2841     {\xdef#1{\bidi@expandonce#1#2}}}

```



```

2842
2843 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2844 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2845
2846
2847
2848 \bidi@newrobustcmd{\bidi@preto}[2]{%
2849   \if@bidi@undef{#1}
2850     {\edef#1{\unexpanded{#2}}}
2851     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2852 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2853   \if@bidi@undef{#1}
2854     {\edef#1{#2}}
2855     {\edef#1{#2\bidi@expandonce#1}}}
2856 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2857   \if@bidi@undef{#1}
2858     {\xdef#1{\unexpanded{#2}}}
2859     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2860 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2861   \if@bidi@undef{#1}
2862     {\xdef#1{#2}}
2863     {\xdef#1{#2\bidi@expandonce#1}}}
2864
2865 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2866 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2867
2868
2869
2870 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2871 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2872 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2873 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2874 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2875 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2876
2877
2878
2879 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2880 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2881 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2882 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2883 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2884 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2885
2886
2887
2888 \bidi@newrobustcmd{\if@bidi@patchable}{%
2889   \bidi@dbg@trce\if@bidi@patchable
2890   \begingroup
2891   \@makeother\#%

```



```

2892 \@ifstar\bidifpatchable@i\bidifpatchable}
2893
2894 \long\def\bidifpatchable#1#2{%
2895   \endgroup
2896   \bidi@dbg@init#1%
2897   \if@bidi@undef{#1}
2898     {\bidi@dbg@fail{def}\@secondoftwo}
2899     {\bidi@dbg@info{def}%
2900      \if@bidi@defmacro{#1}
2901        {\bidi@dbg@info{mac}%
2902         \bidi@ifscanable{#1}
2903           {\bidi@ifhashcheck{#2}
2904             {\bidi@dbg@info{tok}%
2905              \bidi@ifpattern#1{#2}
2906                {\bidi@dbg@info{pat}%
2907                 \bidi@dbg@info{pos}\@firstoftwo}
2908                 {\bidi@dbg@fail{pat}\@secondoftwo}}
2909             {\bidi@dbg@fail{hsh}\@secondoftwo}}
2910             {\bidi@dbg@fail{tok}\@secondoftwo}}
2911             {\bidi@dbg@fail{mac}\@secondoftwo}}}
2912
2913 \long\def\bidifpatchable@i#1{%
2914   \endgroup
2915   \bidi@dbg@init#1%
2916   \if@bidi@undef{#1}
2917     {\bidi@dbg@fail{def}\@secondoftwo}
2918     {\bidi@dbg@info{def}%
2919      \if@bidi@defmacro{#1}
2920        {\bidi@dbg@info{mac}%
2921         \if@bidi@defparam{#1}
2922           {\bidi@dbg@info{prm}%
2923            \bidi@ifscanable{#1}
2924              {\bidi@dbg@info{tok}%
2925               \bidi@dbg@info{pos}\@firstoftwo}
2926               {\bidi@dbg@fail{tok}\@secondoftwo}}
2927              {\bidi@dbg@info{prl}%
2928               \if@bidi@defprotected{#1}
2929                 {\bidi@dbg@info{pro}}
2930                 {}%
2931               \bidi@dbg@info{pos}\@firstoftwo}}
2932              {\bidi@dbg@fail{mac}\@secondoftwo}}}
2933
2934 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2935   \bidi@dbg@trce\bidi@patchcmd
2936   \begingroup
2937   \@makeother\#%
2938   \bidi@@patchcmd}
2939
2940 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2941   \bidifpatchable#2{#3}

```




```

2942 {\bidi@dbg@succ{ret}}%
2943 \begingroup
2944 \edef\bidi@resrvda{%
2945   \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2946     #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3}}}%
2947   \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2948     ####1\detokenize{#4}####2}%
2949   \edef\noexpand\bidi@resrvda{%
2950     \noexpand\bidi@resrvda\meaning#2&}}%
2951   \bidi@resrvda
2952   \bidi@patchcmd@scantoks\bidi@resrvda
2953   \let#2\bidi@resrvda
2954   \bidi@undef\bidi@resrvda
2955   \@firstoftwo}
2956 {\@secondoftwo}}
2957
2958 \def\bidi@patchcmd@scantoks#1{%
2959   \edef\bidi@resrvda{\endgroup
2960     \unexpanded{\makeatletter\scantokens}{#1}%
2961     \catcode\number`\@=\the\catcode`\@ \relax}%
2962   \bidi@resrvda}
2963
2964 \newcommand\bidi@isloaded[2][]{
2965   \expandafter\ifx\csname if@bidi@#2loaded@ \endcsname \relax
2966     \expandafter\newif\csname if@bidi@#2loaded@ \endcsname
2967   \fi
2968   \@ifpackageloaded{#2}
2969     {\csname @bidi@#2loaded@true \endcsname #1}
2970     {\csname @bidi@#2loaded@false \endcsname }}
2971
2972 \protected\def\bidi@ifscanable#1{%
2973   \begingroup
2974   \edef\bidi@resrvda{%
2975     \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2976       ####1\def\string\bidi@resrvda####2{####3}}}%
2977     \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
2978   \bidi@resrvda
2979   \makeatletter
2980   \scantokens\expandafter{\bidi@resrvda}%
2981   \expandafter\endgroup\ifx#1\bidi@resrvda
2982     \expandafter\@firstoftwo
2983   \else
2984     \expandafter\@secondoftwo
2985   \fi}
2986
2987
2988 \protected\long\def\bidi@ifhashcheck#1{%
2989   \begingroup
2990   \edef\bidi@resrvda{\detokenize{#1}}}%
2991   \expandafter\endgroup

```



```

2992 \expandafter\bid@ifhashcheck@i\meaning\bid@resrvda&}
2993
2994 \edef\bid@ifhashcheck@i#1&{%
2995 \noexpand\expandafter
2996 \noexpand\bid@ifhashcheck@ii
2997 \noexpand\strip@prefix#1\string#\string#&}
2998
2999 \edef\bid@ifhashcheck@ii{%
3000 \def\noexpand\bid@ifhashcheck@ii##1\string#\string###2&}
3001 \bid@ifhashcheck@ii{\if@bid@blank{#2}}
3002
3003
3004 \protected\long\def\bid@ifpattern#1#2{%
3005 \begingroup
3006 \edef\bid@resrvda{%
3007 \def\noexpand\bid@resrvda###1\detokenize{#2}###2&{%
3008 \endgroup\noexpand\noexpand\noexpand\if@bid@blank{###2}}}%
3009 \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda
3010 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3011 \noexpand\bid@resrvda}
3012 \bid@resrvda\@secondoftwo\@firstoftwo}
3013
3014
3015 \newcommand{\if@bid@defparam}{%
3016 \long\edef\if@bid@defparam#1{%
3017 \noexpand\expandafter\noexpand\bid@ifdefparam
3018 \noexpand\meaning#1\detokenize{macro}:->&}
3019 \edef\bid@ifdefparam{%
3020 \def\noexpand\bid@ifdefparam##1\detokenize{macro}:##2->##3&}
3021 \bid@ifdefparam{\bid@notblank{#2}}
3022
3023
3024 \newcommand{\if@bid@defprotected}{%
3025 \long\edef\if@bid@defprotected#1{%
3026 \noexpand\expandafter\noexpand\bid@ifdefprotected
3027 \noexpand\meaning#1\string\protected&}
3028 \edef\bid@ifdefprotected{%
3029 \def\noexpand\bid@ifdefprotected##1\string\protected##2&}
3030 \bid@ifdefprotected{\bid@notblank{#2}}
3031
3032
3033 \bid@newrobustcmd{\bid@undef}[1]{\let#1\bid@undefined}
3034
3035 \let\bid@dbg@trce\@gobble
3036 \let\bid@dbg@init\@gobble
3037 \let\bid@dbg@info\@gobble
3038 \let\bid@dbg@succ\@gobble
3039 \let\bid@dbg@fail\@gobble
3040
3041

```



```

3042
3043 \bidi@newrobustcmd*{\bidi@apptocmd}{%
3044   \bidi@dbg@trce\bidi@apptocmd
3045   \begingroup
3046   \@makeother\#%
3047   \bidi@hooktocmd\bidi@append}
3048
3049
3050
3051 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3052   \bidi@dbg@trce\bidi@pretocmd
3053   \begingroup
3054   \@makeother\#%
3055   \bidi@hooktocmd\bidi@prepend}
3056
3057 \long\def\bidi@hooktocmd#1#2#3{%
3058   \endgroup
3059   \bidi@dbg@init#2%
3060   \if\bidi@undef{#2}
3061     {\bidi@dbg@fail{def}\@secondoftwo}
3062     {\bidi@dbg@info{def}%
3063       \if\bidi@defmacro{#2}
3064         {\bidi@dbg@info{mac}%
3065           \if\bidi@defparam{#2}
3066             {\bidi@dbg@info{prm}%
3067               \bidi@ifscanable{#2}
3068                 {\bidi@ifhashcheck{#3}
3069                   {\bidi@dbg@info{tok}%
3070                     \bidi@dbg@succ{ret}%
3071                     \bidi@hooktocmd@i#1#2{#3}%
3072                     \@firstoftwo}
3073                   {\bidi@dbg@fail{hsh}\@secondoftwo}}
3074                 {\bidi@dbg@fail{tok}\@secondoftwo}}
3075             {\bidi@dbg@info{prl}%
3076               \if\bidi@defprotected{#2}
3077                 {\bidi@dbg@info{pro}%
3078                   \bidi@dbg@succ{red}%
3079                   \protected}
3080                 {\bidi@dbg@succ{red}}}%
3081             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3082             \@firstoftwo}}
3083     {\bidi@dbg@fail{mac}\@secondoftwo}}
3084
3085 \long\def\bidi@hooktocmd@i#1#2#3{%
3086   \begingroup
3087   \edef\bidi@resrvda{%
3088     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3089       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}%
3090     \edef\noexpand\bidi@resrvda{%
3091       \noexpand\bidi@resrvda\meaning#2&}}%

```



```

3092 \bidi@resrvda
3093 \bidi@patchcmd@scantoks\bidi@resrvda
3094 \let#2\bidi@resrvda
3095 \bidi@undef\bidi@resrvda}
3096
3097 \long\def\bidi@append#1#2{#1#2}
3098 \long\def\bidi@prepend#1#2{#2#1}
3099
3100 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3101 \newcommand*{\bidi@endpreamblehook}{%
3102
3103 \bidi@preto\document{%
3104 \endgroup
3105 \let\bidi@AtEndPreamble\@firstofone
3106 \bidi@endpreamblehook
3107 \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3108 \bidi@undef\bidi@endpreamblehook
3109 \begingroup}
3110
3111 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3112 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3113
3114 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3115 \newcommand*{\bidi@afterendpreamblehook}{%
3116
3117 \bidi@appto\document{%
3118 \let\bidi@AfterEndPreamble\@firstofone
3119 \bidi@afterendpreamblehook
3120 \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3121 \bidi@undef\bidi@afterendpreamblehook
3122 \ignorespaces}
3123
3124 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3125
3126 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
3127 \newcommand*{\bidi@afterenddocumenthook}{%
3128
3129 \bidi@patchcmd\enddocument
3130 {\deadcycles}
3131 {\let\bidi@AfterEndDocument\@firstofone
3132 \bidi@afterenddocumenthook
3133 \deadcycles}
3134 {}
3135 {\let\bidi@@end@@end
3136 \def@@end{%
3137 \let\bidi@AfterEndDocument\@firstofone
3138 \bidi@afterenddocumenthook
3139 \bidi@@end}}
3140
3141 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%

```



```

3142 \bidi@csgappto{@bidi@begin@#1@hook}}
3143
3144 \bidi@patchcmd\begin
3145   {\csname #1\endcsname}
3146   {\bidi@csuse{@bidi@begin@#1@hook}}%
3147   \csname #1\endcsname}
3148   {}
3149   {\bidi@warning{%
3150     Patching '\string\begin' failed!\MessageBreak
3151     '\string\bidi@AtBeginEnvironment' will not work@gobble}}
3152
3153
3154
3155 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3156   \bidi@csgappto{@bidi@end@#1@hook}}
3157
3158 \bidi@patchcmd\end
3159   {\csname end#1\endcsname}
3160   {\bidi@csuse{@bidi@end@#1@hook}}%
3161   \csname end#1\endcsname}
3162   {}
3163   {\bidi@warning{%
3164     Patching '\string\end' failed!\MessageBreak
3165     '\string\bidi@AtEndEnvironment' will not work@gobble}}
3166
3167
3168
3169 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3170   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3171
3172 \bidi@pretocmd\begin
3173   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3174   {}
3175   {\bidi@warning{%
3176     Patching '\string\begin' failed!\MessageBreak
3177     '\string\bidi@BeforeBeginEnvironment' will not work@gobble}}
3178
3179
3180
3181 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3182   \bidi@csgappto{@bidi@afterend@#1@hook}}
3183
3184 \bidi@patchcmd\end
3185   {\if@ignore}
3186   {\bidi@csuse{@bidi@afterend@#1@hook}}%
3187   \if@ignore}
3188   {}
3189   {\bidi@warning{%
3190     Patching '\string\end' failed!\MessageBreak
3191     '\string\bidi@AfterEndEnvironment' will not work@gobble}}

```



```

3192
3193 \chardef\bidi@backslash`\\
3194 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
3195
3196 % anonymous control sequences
3197 \newcount\bidi@tempcountb
3198 \newtoks\bidi@temptoksa
3199 \newtoks\bidi@temptoksb
3200
3201 % Catcode (re)storing
3202 %
3203 \def\bidi@storecatcode#1%
3204   {\escapechar\m@ne
3205    \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3206    {\catcode`\string#1=
3207     \the\catcode\expandafter`\string#1}%
3208    \catcode\expandafter`\string#1=12\relax
3209    \escapechar`\\relax}
3210 \def\bidi@restorecatcode#1%
3211   {\escapechar\m@ne
3212    \csname bidi@restorecatcode\string#1\endcsname
3213    \escapechar`\\relax}
3214
3215 % Construct a control sequence inside \edef
3216 %
3217 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3218
3219 % Construct a control sequence out of #2, and give it to #1
3220 %
3221 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
3222
3223 % Pick an escapecharacter
3224 % this presumes that its argument is a character.
3225 %
3226 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3227
3228 % Equality of strings.
3229 % the fast approach: does not work in expansion-only environment.
3230 %
3231 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
3232   \ifx\bidi@eqs@a\bidi@eqs@b}
3233
3234 % Test by expansion only
3235 %
3236 \def\bidi@EqualStringX#1#2{00\fi
3237   \csname if\bidi@EqualStringX#1&#2&$\endcsname}
3238 \def\bidi@EqualStringX#1#2$#3#4${\ifx#1#3%
3239   \ifx#1&true\else\bidi@hop@ES\bidi@EqualStringX#2$#4$\fi
3240   \else false\fi}
3241 \def\bidi@hop@ES#1\fi#2\fi{\fi\fi#1}

```



```

3242
3243 % Lexicographic ordering
3244 % note the use of \def
3245 % also note the characters 0,127,255 that are used,
3246 % these are not supposed to appear in the strings
3247 %
3248 {\catcode0=12 \catcode255=12 \catcode127=12
3249 \gdef\bidStringBeforeNC#1#2{00\fi
3250 \bidCharsBefore#1^^@^^?#2^^ff^^?}
3251 \gdef\bidCharsBeforeNC#1#2^^?#3#4^^?{%
3252 \ifcat#1\relax\def\bidNext{\bidCharsBefore#2^^@^^?#3#4^^ff^^?}%
3253 \else\ifcat#3\relax\def\bidNext{\bidCharsBefore#1#2^^@^^?#4^^ff^^?}%
3254 \else\ifnum\lccode`#1<\lccode`#3
3255 \def\bidNext{\csname iftrue\endcsname}%
3256 \else\ifnum\lccode`#1>\lccode`#3
3257 \def\bidNext{\csname iffalse\endcsname}%
3258 \else\def\bidNext{\bidCharsBefore#2^^?#4^^?}%
3259 \fi \fi \fi \fi
3260 \bidNext}
3261 \gdef\bidStringBefore#1#2{00\fi
3262 \bidCharsBefore#1^^@^^?#2^^ff^^?}
3263 \gdef\bidCharsBefore#1#2^^?#3#4^^?{%
3264 \ifnum`#1<`#3
3265 \def\bidNext{\csname iftrue\endcsname}%
3266 \else\ifnum`#1>`#3
3267 \def\bidNext{\csname iffalse\endcsname}%
3268 \else\def\bidNext{\bidCharsBefore#2^^?#4^^?}%
3269 \fi\fi
3270 \bidNext}
3271 }
3272
3273 % Null argument test
3274 %
3275 \def\bidEmpty{}
3276 \def\bidIfEmpty#1{00\fi\expandafter\ifx\csname bidi@#1\endcsname\bid@null}
3277 \def\bidIfEmptyX#1{\expandafter\ifx\csname bidi@#1\endcsname\bid@null}
3278 %\def\bidIfEmpty#1{\def\bidCs@a{#1}\ifx\bidCs@a\bidEmpty}
3279 \def\bidIsEmptyList#1{00\fi\def\bidCs@a{#1}\ifx\cs@a\bidEmpty}
3280
3281 % Next character test
3282 %
3283 \def\bidNextChar#1#2#3{00\fi
3284 \let\bidNxt@ch#1\def\bidNxt@a{#2}\def\bidNxt@b{#3}%
3285 \futurelet\bidNxt@c@\bidIfNxtc}
3286 \def\bidIfNextChar#1#2#3{%
3287 \let\bidNxt@ch#1\def\bidNxt@a{#2}\def\bidNxt@b{#3}%
3288 \futurelet\bidNxt@c@\bidIfNxtc}
3289 \def\@bidIfNxtc{\ifx\bidNxt@c\bidNxt@c \expandafter\bidNxt@a
3290 \else \expandafter\bidNxt@b \fi}
3291

```



```

3292% Test for defined-ness of string as control sequence.
3293% works inside \edef
3294%
3295\def\bididefcs#1{00\fi\bidicsarg\ifx{#1}\relax}
3296
3297% Define uniquely defined dummy macros,
3298% usually to serve as bumper blocks at the end of a list
3299%
3300\newcount\bididummies
3301\def\DefNewDummy#1{
3302  \if\bididefcs{#1}\bidicsarg\edef{#1}{\bididum\the\bididummies}
3303  \advance\bididummies\@ne
3304  \else
3305    \bidieerror{Attempt at second definition of `#1'}
3306  \fi}
3307
3308% string case statement
3309% use: \bidiswitch \iftest{...} in:
3310%   item1 action1
3311%   ...
3312%   itemn actionn
3313%   default defaultaction [optional]
3314%   \endbidiswitch
3315% inspired by Jonathan Fine: Some Basic Control Macros
3316% Tugboat 12 #4
3317%
3318\let\@bidi@fi\fi \let\endbidi@switch\relax \DefNewDummy{\bididef}
3319\def\bidiswitch@exit #1 \@bidi@fi #2 \endbidi@switch {\fi #1}
3320\def\bidiswitch #1#2#3{\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidi@fi
3321  #1{#2}\bidiswitch@exit #3 \@bidi@fi
3322  \bidiswitch {#1}
3323}
3324% this version puts the test object in {}
3325\def\bidioswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidi@fi
3326  #1{#2}\bidiswitch@exit #3 \@bidi@fi
3327  \bidiswitch #1 in:
3328}
3329% this version assumes that the test object is just one character
3330\def\bidicswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidi@fi
3331  #1#2\bidiswitch@exit #3 \@bidi@fi
3332  \bidicswitch #1 in:
3333}
3334% this version assumes that the test object can have an optional space
3335\def\bidibswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidi@fi
3336  #1#2 \bidiswitch@exit #3 \@bidi@fi
3337  \bidibswitch #1 in:
3338}
3339% this version can cope with significant spaces at the start of #3;
3340% #2 is macro argument
3341\def\bidimswitch #1 in: #2:#3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidi@fi

```




```

3342 #1{#2}\bidi@switch@exit #3 \@bidi@fi
3343 \bidi@mswitch #1 in:
3344 }
3345 % idem; #2 does not have to be enclosed in braces
3346 \def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@fi
3347 #1#2 \bidi@switch@exit #3 \@bidi@fi
3348 \bidi@fswitch #1 in:
3349 }
3350
3351 % Routines for taking the value of a string:
3352 % if the string is defined as control sequence
3353 % take the value of that, otherwise take the string itself
3354
3355 % String or value of control sequence
3356 %
3357 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3358
3359 % String or control sequence
3360 %
3361 \def\bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3362
3363 % String or \noexpand-ed control sequence;
3364 % for use in \edef
3365 %
3366 \newif\ifbidi@in@label
3367 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
3368     \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3369 \newtoks\bidi@are@these@correct
3370 \def\bidi@t@w@w#1{%
3371     \if\bidi@undefinedcs{#1}#1%
3372     \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 }\fi
3373     \else
3374     \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3375
3376 % List Manipulation .....
3377 % this assumes that #1 is a list of tokens, #2 is the name of a list
3378 %
3379 % Names of lists (and of items to pop into) are given as strings;
3380 % not as control sequences.
3381 %
3382 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
3383 % basic append/prepend macro
3384 \long\def\bidi@append@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3385     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@lista}
3386 \long\def\bidi@prepend@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3387     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista}
3388 \def\bidi@append@to@list{\bidi@csarg\bidi@append@to@cslist}
3389 % variations:
3390 \long\def\bidi@append@to@list#1#2{\bidi@append@to@list{#1}{#2}}
3391 \def\bidi@append@list@to@list#1#2{%

```



```

3392 \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\en
3393 \def\bidi@append@csl@list@to@csl@list#1#2{%
3394 \@bidi@append@to@csl@list{#1}\expandafter{\the#2}}
3395 \def\bidi@append@toks@csl@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
3396
3397 \let\bidi@willbeunhskip\unhskip
3398
3399 % A few list macros for the user
3400 \def\NewList:#1 {\bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3401 \def\EmptyList:#1 {\global\csname#1\endcsname{}}
3402 \long\def\AppendToList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
3403 \def\TheList:#1 {\let\bidi@oldwbuskip\bidi@willbeunhskip \let\bidi@willbeunhskip\@empty
3404 \if\bidi@undefinedcs{#1}\bidi@error{List <#1> undefined}
3405 \else\bidi@csarg\the{#1}\fi
3406 \let\bidi@willbeunhskip\bidi@oldwbuskip}
3407
3408 \def\bidi@del@tok@from@list#1#2{\begingroup
3409 \long\def\bidi@cs@liste##1#2##2\bidi@tok@SM
3410 {\bidi@toks@lista{##1}\bidi@toks@listb{##2}%
3411 \edef\bidi@cs@listb{\global\bidi@csname{#1}=
3412 {\the\bidi@toks@lista\the\bidi@toks@listb}}%
3413 \bidi@cs@listb}%
3414 \edef\bidi@cs@lista{\noexpand\bidi@cs@liste}\expandafter\the\csname#1\endcsname\noexpand
3415 \bidi@cs@lista \endgroup}
3416 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3417 \bidi@in@front@of@csl@list\bidi@cs@lista}
3418 \long\def\bidi@in@front@of@csl@list#1#2{\begingroup\bidi@toks@lista={#2}%
3419 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista
3420 \endgroup}
3421 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
3422 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3423 {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3424 \expandafter\the\csname#1\endcsname}%
3425 }
3426 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3427 \bidi@set@csl@list\bidi@cs@lista}
3428 \long\def\bidi@set@csl@list#1#2{\begingroup\bidi@toks@lista={#2}%
3429 \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
3430
3431 %%%%%%%%%%%%%%% Stack macros
3432 %
3433 % push in terms of prepending of lists
3434 \def\bidi@push@cs@onto@csl#1#2{\@bidi@prepend@to@csl@list#1\expandafter{\expandafter\\expandafter
3435 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@csl{#1}}
3436 \def\bidi@push@onto@csl#1#2{\@bidi@prepend@to@csl@list#1}{\{#2}}
3437 \def\bidi@local@push@onto#1#2{\let\=\relax
3438 \bidi@local@in@front@of@list{#1}{\{#2}}
3439 % pop via auxiliary macro: #1 is result, #2 is stack
3440 % two cs arguments
3441 \def\bidi@pop@csl@into#1#2{\edef\bidi@cs@e

```



```

3442 {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
3443 % two string arguments
3444 \def\bidi@pop@into#1#2{\edef\bidi@cs@e
3445   {\noexpand\@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@bidi@
3446   \long\def\@bidi@popinto#1#2\#3#4\@bidi@pop{#1{#3}#2{#4}}
3447 \def\bidi@copy@stacktop#1#2{%
3448   \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
3449     {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
3450   \bidi@cs@e}
3451 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
3452 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
3453 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
3454 \def\bidi@length@of@csstack#1{\def\#1{\advance\bidi@stack@length\@ne}%
3455   \bidi@stack@length\@ne \the#1}
3456 % turn a stack upside down
3457 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
3458   \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
3459   \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3460     \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\@ne
3461     \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
3462   % \bidi@append@cslist@to@cslist\bidi@temptoksb\bidi@temptoksa% append a to b
3463   % \bidi@temptoksa\bidi@temptoksb
3464   \repeat% copy b to a
3465   #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3466 % invert a stack into a list
3467 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
3468   \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
3469   \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3470     \bidi@pop@into{\bidi@temptoksb}{#1}\advance\bidi@stack@length\@ne
3471     \bidi@append@list@to@list{\bidi@temptoksb}{\bidi@temptoksa}\repeat
3472   \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3473
3474
3475 % General loop macro:
3476 % \looprepeat
3477 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3478 % \untilcondition{<cond>} \whilecondition{<cond>}
3479 % \doloopbody { <loop body> }
3480 % where all control sequences in between \looprepeat and \doloopbody are optional.
3481 %
3482 % var: characters to form a control sequence;
3483 % after \forvariable{index} you can access the loop counter as \index.
3484 % This is a count register; to print it use \number\index.
3485 % start,step,end: integers with obvious relations to the loop counter;
3486 % start and step have a default value of 1
3487 % cond: (sequence of commands ending in) any TeX \if... test.
3488 %
3489 % Count down instead of up with \downtovalue; the increment given in \bystep
3490 % is always positive, and is added or subtracted accordingly.
3491 %

```



```

3492% Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3493% at the beginning of the loop body.
3494%
3495% Exit from middle of loop: \breaklooprepeat
3496% use this at any place in the loop; in case of a conditional use
3497% \ifsomething ... \expandafter \breaklooprepeat \fi
3498%
3499% Note that the line ends do not cause spaces in the output.
3500%
3501% Technical details:
3502% The loop body is not executed in a group: the braces are those
3503% of a token list.
3504% The 'forvariable' variable is \let to a \count register.
3505%
3506%
3507%
3508% Auxiliary stuff
3509\def\bidilooptrepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3510\def\bidilooptrepeat@csromannumeral#1{\csname #1\romannumeral\bidilooptrepeat@depth\endcsname}
3511\def\bidilooptrepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooptrepeat@depth\endcsname}
3512%
3513\newcount\bidilooptrepeat@depth
3514\let\endlooprepeat\relax \def\bidilooptrepeat@csprotect{}
3515% Trace switches may later be defined by PAC_utils
3516\let\bidilooptrepeat@traceinit\relax \let\bidilooptrepeat@traceexit\relax
3517%
3518% Main repeatloop macro
3519% - go to next level and allocate unique counter/toks if this is the
3520% first time we visit this level
3521% - setup: gather bounds and termination conditions
3522% - scoop up body in token list; after the assignment define and
3523% execute body
3524\def\looprepeat#1\doloopbody{\bidilooptrepeat@traceinit % exit in \breakrepeatloop
3525  \advance\bidilooptrepeat@depth\@ne\relax
3526  \bidilooptrepeat@csargromannumeral\ifx\bidilooptrepeat@count\relax
3527    \bidilooptrepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidilooptrepeat@depth}
3528    \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooptrepeat@depth}
3529    \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooptrepeat@depth}
3530    \bidilooptrepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooptrepeat@depth}
3531  \fi \bidilooptrepeat@zero \def\bidilooptrepeat@sign{}\def\bidilooptrepeat@comp{>}\bidilooptrepeat@tmp
3532  \edef\bidilooptrepeat@tmp
3533    {\def\bidilooptrepeat@csargromannumeral\noexpand{\bidilooptrepeat@looprepeat}{\bidilooptrepeat@body}%
3534    \afterassignment\bidilooptrepeat@dxbody\bidilooptrepeat@csromannumeral{\bidilooptrepeat@toks}%
3535    }
3536% Define and execute loop body
3537% This is done with an \edef to construct the actual sequence
3538\def\bidilooptrepeat@dxbody{\bidilooptrepeat@csargromannumeral\edef{\bidilooptrepeat@body}{%
3539  \bidilooptrepeat@csargromannumeral\the{\bidilooptrepeat@wtest}%
3540  \noexpand\the\bidilooptrepeat@csargromannumeral\noexpand{\bidilooptrepeat@toks}%
3541  \bidilooptrepeat@csargromannumeral\the{\bidilooptrepeat@utest}%

```



```

3542 \global\bidilooprepeat@csargromannumeral\advance{bidilooprepeat@count} by \bidilooprepeat@depth
3543 \noexpand\endlooprepeat
3544 \bidilooprepeat@csargromannumeral\noexpand{bidilooprepeat@looprepeat}}%
3545 \bidilooprepeat@csromannumeral{bidilooprepeat@body}\ignorespaces}
3546
3547 % Stop test
3548 %% In order to stop, issue a
3549 % \breaklooprepeat which scoops up the rest of the body and exits
3550 \def\breaklooprepeat#1\endlooprepeat{\bidilooprepeat@zero\bidilooprepeat@csargromannumeral\
3551 \advance\bidilooprepeat@depth@m@ne \bidilooprepeat@traceexit
3552 }
3553
3554
3555 % Setup
3556 % gather bounds and termination conditions
3557 \def\bidilooprepeat@setup#1{%
3558 \begingroup
3559 \def\forvariable##1{%
3560 \edef\bidilooprepeat@tmp{%
3561 \global\let\bidilooprepeat@csarg\noexpand{##1}\bidilooprepeat@csromannumeral{bidilooprepeat@body}\
3562 \bidilooprepeat@tmp}%
3563 \def\fromvalue##1{\bidilooprepeat@csargromannumeral\global{bidilooprepeat@count}##1\ignorespaces}%
3564 \def\tovalue##1{%
3565 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{bidilooprepeat@count}\
3566 {\bidilooprepeat@csargromannumeral\the{bidilooprepeat@wtest}}%
3567 \noexpand\ifnum\bidilooprepeat@csargromannumeral\noexpand{bidilooprepeat@count}\bidilooprepeat@depth<\
3568 \noexpand\expandafter \noexpand\breaklooprepeat
3569 \noexpand\fi}\ignorespaces}%
3570 \bidilooprepeat@tmp}%
3571 \def\downtovalue##1{%
3572 \gdef\bidilooprepeat@sign{-}\gdef\bidilooprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3573 \def\bystep##1{\ifnum##1<0 \bidilooprepeat@error{LOOPREPEAT: increment has to be a positive value}\
3574 \bidilooprepeat@csargromannumeral\gdef{bidilooprepeat@inc}{-##1}\else
3575 \bidilooprepeat@csargromannumeral\gdef{bidilooprepeat@inc}{##1}\fi\ignorespaces}%
3576 \def\untilcondition##1{%
3577 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{bidilooprepeat@count}\
3578 {\noexpand##1\relax
3579 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3580 \bidilooprepeat@tmp}%
3581 \def\whilecondition##1{%
3582 \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{bidilooprepeat@count}\
3583 {\noexpand##1\relax \noexpand\else
3584 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3585 \bidilooprepeat@tmp}%
3586 \fromvalue{\@ne}\bystep{\@ne}#1%
3587 \endgroup}
3588 \def\bidilooprepeat@zero
3589 {\bidilooprepeat@csromannumeral{bidilooprepeat@toks}{}\bidilooprepeat@csromannumeral{bidilooprepeat@body}}
3590 \bidilooprepeat@csargromannumeral\def{bidilooprepeat@body}{}}
3591

```



```

3592%\tracingmacros2
3593%\newcount\tmpcount % used in some examples below
3594
3595%\looprepeat \forvariable{i}
3596%      \bystep{2}
3597%  \doloopbody {%
3598%      \ifnum{i}=13 \expandafter\breaklooprepeat \fi
3599%      \number{i}} %
3600%}%
3601
3602%\looprepeat \forvariable{iii}
3603%      \tovalue{8}
3604%  \doloopbody {}
3605%After loop: \number{iii}%
3606
3607%\looprepeat \forvariable{i}
3608%      \fromvalue{10}
3609%      \bystep{2}
3610%      \downtovalue{0}
3611%  \doloopbody {\number{i}} }
3612
3613%\looprepeat \forvariable{x} \whilecondition{\ifnum{x}<7}
3614%  \doloopbody {\number{x}} }
3615
3616%\looprepeat \tovalue{3} \doloopbody {Hello world! }
3617
3618%\looprepeat \forvariable{j}
3619%      \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3620%  \doloopbody {\number{j}} }
3621
3622%\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3623% {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3624%  \doloopbody {(\number{i}.\number{j}) }
3625% }
3626
3627% infinite loop
3628%\looprepeat \doloopbody {}
3629
3630\CheckCommand{\InputIfFileExists}[2]{%
3631  \IfFileExists{#1}%
3632    {#2\@addtofilelist{#1}\@@input \@filef@und}}
3633
3634\renewcommand{\InputIfFileExists}[2]{%
3635  \begingroup\expandafter\expandafter\expandafter\endgroup
3636  \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3637    \expandafter\@secondoftwo
3638  \else
3639    \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3640    \expandafter\@firstoftwo
3641  \fi

```



```

3642 {%
3643   \expandafter\InputIfFileExists\expandafter{\csname
3644     #1-@bidi@alias\endcsname}{#2}%
3645 }%
3646 {\IfFileExists{#1}{%
3647   \bidi@load@hook{before}{#1}%
3648   #2\@addtofilelist{#1}%
3649   \@input \filef@und
3650   \bidi@load@hook{after}{#1}%
3651 }}%
3652 }
3653
3654 \newcommand*{\bidi@loadwithoptions}{}
3655 \newcommand*{\bidi@loadwithoptions}{}
3656 \let\bidi@loadwithoptions\@loadwithoptions
3657
3658 \renewcommand*{\@loadwithoptions}[3]{%
3659   \begingroup\expandafter\expandafter\expandafter\endgroup
3660   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3661     \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3662   \else
3663     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3664     \def\bidi@loadwithoptions{%
3665       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3666     }%
3667   \fi
3668   \bidi@loadwithoptions
3669 }
3670
3671 \newcommand*{\bidi@onefilewithoptions}{}
3672 \let\bidi@onefilewithoptions\@onefilewithoptions
3673 \def\bidi@onefilewithoptions#1[#2][#3]#4{%
3674   \begingroup\expandafter\expandafter\expandafter\endgroup
3675   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3676     \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3677   \else
3678     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3679     \edef\bidi@onefilewithoptions{%
3680       \noexpand\bidi@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3681   \fi
3682   \bidi@onefilewithoptions[#{#2}][#{#3}]{#4}%
3683   \bidi@load@hook{lateafter}{#1.#4}%
3684 }
3685
3686 \newcommand*{\bidi@ReplaceInput}[2]{%
3687   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3688 }
3689
3690 \newcommand*{\bidi@UnReplaceInput}[1]{%
3691   \ifcsname #1-@bidi@alias\endcsname

```



```

3692 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3693 \fi
3694 }
3695
3696 \newcommand*{\@bidi@replacefilewithtext}[3]{%
3697 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3698 }
3699 \newcommand*{\@bidi@ReplacePackage}[2]{%
3700 \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
3701 }
3702 \newcommand*{\@bidi@ReplaceClass}[2]{%
3703 \@bidi@replacefilewithtext{#1}{#2}\@clsextension
3704 }
3705 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
3706 \ifcsname #1.#2-@bidi@aliasname\endcsname
3707 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3708 \fi
3709 }
3710 \newcommand*{\@bidi@UnReplacePackage}[1]{%
3711 \@bidi@unreplacefilewithtext{#1}\@pkgextension
3712 }
3713 \newcommand*{\@bidi@UnReplaceClass}[1]{%
3714 \@bidi@unreplacefilewithtext{#1}\@clsextension
3715 }
3716 \newcommand*{\@bidi@replacefile@msg}[2]{%
3717 \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3718 }
3719
3720 \newcommand*{\@bidi@load@hook}[2]{%
3721 \@ifundefined{#2-@#1}{}%
3722 \@nameuse{#2-@#1}%
3723 \expandafter\let\csname #2-@#1\endcsname=\relax}}
3724 \newcommand*{\@bidi@set@load@hook}[2]{%
3725 \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}}%
3726 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3727 \newcommand*{\@bidi@BeforeFile}{\@bidi@set@load@hook{before}}
3728 \newcommand*{\@bidi@AfterFile}{\@bidi@set@load@hook{after}}
3729 \newcommand*{\@bidi@BeforeClass}[1]{%
3730 \@bidi@set@load@hook{before}{#1.\@clsextension}}
3731 \newcommand*{\@bidi@AfterClass}{%
3732 \@ifstar {\@s@bidi@AfterClass}{%
3733 \@ifnextchar +\@@bidi@AfterClass{%
3734 \@ifnextchar !\@@@bidi@AfterClass\@bidi@AfterClass
3735 }%
3736 }%
3737 }
3738
3739 \newcommand*{\@@@bidi@AfterClass}[2]{%
3740 \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3741 \aftergroup\@s@bidi@AfterClass

```




```

3742 \else
3743 \aftergroup\bid@AfterAtEndOfClass
3744 \fi
3745 \endgroup{#2}%
3746 }
3747
3748 \newcommand*{\bid@AfterAtEndOfClass}[1]{%
3749 \bid@set@load@hook{lateafter}{#1.\@clsextension}}
3750 \newcommand*{\@@bid@AfterClass}[2]{%
3751 \begingroup
3752 \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
3753 \aftergroup\@s@bid@AfterClass
3754 \else
3755 \aftergroup\@bid@AfterClass
3756 \fi
3757 \endgroup{#2}%
3758 }
3759
3760 \newcommand*{\@bid@AfterClass}[1]{%
3761 \bid@set@load@hook{after}{#1.\@clsextension}}
3762 \newcommand*{\@s@bid@AfterClass}[1]{%
3763 \begingroup
3764 \@ifclassloaded{#1}{%
3765 \aftergroup\@secondoftwo
3766 }{%
3767 \aftergroup\@bid@AfterClass
3768 }%
3769 \endgroup
3770 {#1}%
3771 }
3772
3773
3774 \newcommand*{\bid@BeforePackage}[1]{%
3775 \bid@set@load@hook{before}{#1.\@pkgextension}}
3776 \newcommand*{\bid@AfterPackage}{%
3777 \@ifstar {\@s@bid@AfterPackage}{%
3778 \@ifnextchar +\@@bid@AfterPackage{%
3779 \@ifnextchar !\@@@bid@AfterPackage\@bid@AfterPackage
3780 }%
3781 }%
3782 }
3783 \newcommand*{\@@@bid@AfterPackage}[2]{%
3784 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3785 \aftergroup\@s@bid@AfterPackage
3786 \else
3787 \aftergroup\bid@AfterAtEndOfPackage
3788 \fi
3789 \endgroup{#2}%
3790 }
3791 \newcommand*{\bid@AfterAtEndOfPackage}[1]{%

```



```

3792 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3793 \newcommand*{\@bidi@AfterPackage}[2]{%
3794 \beginingroup
3795 \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
3796 \aftergroup\@s@bidi@AfterPackage
3797 \else
3798 \aftergroup\@bidi@AfterPackage
3799 \fi
3800 \endgroup{#2}%
3801 }
3802 \newcommand*{\@bidi@AfterPackage}[1]{%
3803 \bidi@set@load@hook{after}{#1.\@pkgextension}}
3804 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3805 \beginingroup
3806 \@ifpackageloaded{#1}{%
3807 \aftergroup\@secondoftwo
3808 }{%
3809 \aftergroup\@bidi@AfterPackage
3810 }%
3811 \endgroup
3812 {#1}%
3813 }
3814
3815 \newcommand*{\@bidi@excludedpackages}{%
3816 \let\bidi@excludedpackages\@empty
3817 \newcommand*{\@bidi@saved@RequirePackage}{%
3818 \newcommand*{\@bidi@PreventPackageFromLoading}{%
3819 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}{%
3820 {\@bidi@PreventPackageFromLoading\PackageWarning}%
3821 }
3822 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3823 \@ifnextchar [%]
3824 {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
3825 }
3826 \newcommand*{\@bidi@PreventPackageFromLoading}{%
3827
3828 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3829 \edef\reserved@b{\zap@space#3 \@empty}%
3830 \ifx \reserved@b\@empty
3831 #1{\bidi@tools}{%
3832 \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3833 argument ignored%
3834 }%
3835 \else
3836 \ifx\bidi@excludedpackages\@empty
3837 \let\bidi@saved@RequirePackage\RequirePackage
3838 \let\RequirePackage\bidi@RequirePackage
3839 \def\reserved@a##1##{%
3840 \@latex@error
3841 {\noexpand \usepackage before \string\documentclass}%

```



```

3842     {\noexpand \usepackage may only appear in the document
3843      preamble, i.e.,\MessageBreak
3844      between \noexpand\documentclass and
3845      \string\begin{document}.}%
3846     \@gobble}%
3847   \ifx\reserved@a\usepackage\else
3848     \ifx\usepackage\bid@saved@RequirePackage\else
3849       \PackageWarning{biditools}{%
3850         Maybe serious problem: unexpected definition of\MessageBreak
3851         \string\usepackage
3852       }%
3853     \fi
3854     \let\usepackage\RequirePackage
3855   \fi
3856 \fi
3857 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3858 \reserved@b\do {%
3859   \ifx\reserved@a\@empty
3860     #1{biditools}{%
3861       empty package argument for
3862       \string\bid@PreventPackageFromLoading\MessageBreak
3863       ignored%
3864     }%
3865   \else
3866     \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3867       #1{biditools}{%
3868         package `\'reserved@a' already loaded.\MessageBreak
3869         Cannot prevent it from being loaded%
3870       }%
3871     }{%
3872       \edef\bid@excludedpackages{\bid@excludedpackages,%
3873         \reserved@a}%
3874       \if\relax\detokenize{#2}\relax\else
3875         \@ifundefined{bid@exclude@package@\reserved@a @do}{%
3876           \@namedef{bid@exclude@package@\reserved@a @do}{}%
3877         }{%
3878           \expandafter\def
3879             \csname bid@exclude@package@\reserved@a
3880               @do\expandafter\expandafter\expandafter\endcsname
3881             \expandafter\expandafter\expandafter{%
3882               \csname bid@exclude@package@\reserved@a @do\endcsname
3883               #2%
3884             }%
3885         \fi
3886       }%
3887     \fi
3888   }%
3889   \ifx\bid@excludedpackages\@empty
3890     \bid@ResetPreventPackageFromLoading
3891   \fi

```



```

3892 \fi
3893 }
3894
3895 \@onlypreamble\bidipreventPackageFromLoading
3896 \newcommand*{\bidipreventPackageFromLoading}{%
3897 \let\bidipreventPackageFromLoading\empty
3898 \ifx\RequirePackage\bidipreventPackage
3899 \ifx\usepackage\RequirePackage
3900 \let\usepackage\bidipreventPackage
3901 \fi
3902 \let\RequirePackage\bidipreventPackage
3903 \fi
3904 }
3905 \@onlypreamble\bidiresetPackageFromLoading
3906 \newcommand*{\bidiresetPackageFromLoading}[1]{%
3907 \let#1\bidipreventPackageFromLoading
3908 }
3909 \@onlypreamble\bidistorePackageFromLoading
3910 \newcommand*{\bidistorePackageFromLoading}{%
3911 \@ifstar {\@tempwatrue\bidistorePackageFromLoading}%
3912           {\@tempwafalse\bidistorePackageFromLoading}%
3913 }
3914
3915 \newcommand*{\@bidistorePackageFromLoading}[1]{%
3916 \edef\reserved@a{\zap@space#1 \empty}%
3917 \if@tempwa
3918 \for\reserved@a:=\reserved@a\do {%
3919 \ifx\reserved@a\empty \else
3920 \ifcsname \bidipreventPackageFromLoading\reserved@a \endcsname
3921 \expandafter\let
3922 \csname \bidipreventPackageFromLoading\reserved@a \endcsname
3923 \undefined
3924 \fi
3925 \fi
3926 }%
3927 \fi
3928 \ifcsname \bidipreventPackageFromLoading\endcsname
3929 \let\reserved@a\bidipreventPackageFromLoading
3930 \let\bidipreventPackageFromLoading\empty
3931 \expandafter\for\expandafter\reserved@c
3932 \expandafter:\expandafter=\reserved@a
3933 \do{%
3934 \ifx\reserved@c\empty\else
3935 \expandafter\in\{,\reserved@c,\reserved@a,\}%
3936 \ifin@
3937 \else
3938 \edef\bidipreventPackageFromLoading{%
3939 \bidipreventPackageFromLoading,\reserved@c
3940 }%
3941 \fi

```



```

3942     \fi
3943   }%
3944   \ifx\bidid@excludedpackages\@empty\bidid@ResetPreventPackageFromLoading\fi
3945 \fi
3946 }
3947
3948
3949 \newcommand*\bidid@RequirePackage}[2] [] {%
3950   \let\reserved@c\@empty
3951   \let\reserved@d\@empty
3952   \edef\reserved@b{\zap@space#2 \@empty}%
3953   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
3954   \do {%
3955     \begingroup
3956       \@tempwatrue
3957       \@for\reserved@a:=\bidid@excludedpackages\do {%
3958         \ifx\reserved@a\reserved@b
3959           \@tempwafalse
3960         \fi
3961       }%
3962       \if@tempwa
3963         \xdef\reserved@c{\reserved@c,\reserved@b}%
3964       \else
3965         \ifx\reserved@b\@empty\else
3966           \PackageInfo{biditools}{Excluding package `'\reserved@b'\MessageBreak
3967             from loading}%
3968           \ifundefined{bidid@exclude@package@\reserved@b @do}{%
3969             }{%
3970               \expandafter\g@addto@macro\expandafter\reserved@d
3971               \csname bidid@exclude@package@\reserved@b @do\endcsname
3972             }%
3973           \fi
3974         \fi
3975       \endgroup
3976     }%
3977     \ifx\reserved@c\@empty
3978       \let\reserved@a\bidid@gobbleopt
3979     \else
3980       \edef\reserved@a{\noexpand\bidid@sav@dRequirePackage[#1]{%
3981         \expandafter\@gobble\reserved@c\@empty}}%
3982     \fi
3983     \expandafter\reserved@d
3984     \reserved@a
3985   }
3986
3987 \newcommand*\bidid@gobbleopt}[1] [] {}
3988 \AtEndDocument{%
3989   \let\bidid@sav@dcheckend=\@checkend
3990   \renewcommand*\@checkend}[1] {%
3991     \def\reserved@a{#1}\def\reserved@b{document}%

```



```

3992 \bidi@saved@checkend{#1}%
3993 \ifx\reserved@a\reserved@b
3994 \let\bidi@saved@clearpage=\clearpage
3995 \renewcommand*{\clearpage}{\bidi@saved@clearpage
3996 \bidi@hook@bcma
3997 \bidi@restore@newpage
3998 \let\clearpage=\bidi@saved@clearpage}%
3999 \fi%
4000 \let\bidi@saved@dofilelist\@dofilelist
4001 \def\@dofilelist{%
4002 \bidi@hook@acma
4003 \let\@dofilelist\bidi@saved@dofilelist
4004 \bidi@saved@dofilelist
4005 }%
4006 }%
4007 }
4008
4009
4010 \newcommand*{\bidi@saved@checkend}{%
4011 \newcommand*{\bidi@saved@dofilelist}{%
4012 \newcommand*{\bidi@redefine@newpage}{%
4013 \let\bidi@saved@newpage\newpage
4014 \def\bidi@restore@newpage{%
4015 \renewcommand*{\newpage}{%
4016 \PackageWarningNoLine{%
4017 biditools%
4018 }{%
4019 \string\newpage\space at main aux file!\MessageBreak
4020 You have output material at the main aux file.\MessageBreak
4021 Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
4022 are processed before the output from aux file%
4023 }%
4024 \let\newpage\bidi@saved@newpage
4025 \newpage
4026 }%
4027 }%
4028 \renewcommand*{\newpage}{%
4029 \PackageError{%
4030 biditools%
4031 }{%
4032 \string\newpage\space at \string\bidi@BeforeClosingMainAux
4033 }{%
4034 You should never use \string\newpage\space or
4035 \string\clear(double)page or other output material at the\MessageBreak
4036 argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
4037 If you'll continue, the \string\newpage\space will be ignored to
4038 avoid corruption of\MessageBreak
4039 every prior use of \string\bidi@BeforeClosingMainAux.
4040 }%
4041 }%

```



```

4042 }
4043
4044 \newcommand*{\bidi@restore@newpage}{}
4045 \newcommand*{\bidi@hook@bcma}{}
4046 \newcommand*{\bidi@hook@acma}{}
4047 \newcommand*{\bidi@BeforeClosingMainAux}{%
4048   \ifx\bidi@hook@bcma\@empty
4049     \gdef\bidi@hook@bcma{%
4050       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
4051       \let\protected@write\bidi@protected@immediate@write
4052       \bidi@redefine@newpage
4053     }%
4054   \fi
4055   \g@addto@macro\bidi@hook@bcma%
4056 }
4057
4058 \newcommand*{\bidi@AfterReadingMainAux}{%
4059   \ifx\bidi@hook@acma\@empty
4060     \gdef\bidi@hook@acma{%
4061       \renewcommand*{\bidi@AfterReadingMainAux}[1]{###1}%
4062       \let\protected@write\bidi@protected@immediate@write
4063     }%
4064   \fi
4065   \g@addto@macro\bidi@hook@acma%
4066 }
4067
4068 \long\def\bidi@protected@immediate@write#1#2#3{%
4069   \begingroup
4070     #2%
4071     \let\protect\@unexpandable@protect
4072     \edef\reserved@a{\immediate\write#1{#3}}%
4073     \reserved@a
4074   \endgroup
4075   \if@nobreak\ifvmode\nobreak\fi\fi
4076 }
4077
4078 \def\bidi@patch@counter{0}%
4079 \if@bidi@csundef{numexpr}{%
4080   \def\bidi@patch@stepcounter{%
4081     \begingroup
4082       \count@\bidi@patch@counter\relax
4083       \advance\count@\@ne\relax
4084     \edef\x{\endgroup
4085       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
4086     }%
4087     \x
4088   }%
4089 }{%
4090   \def\bidi@patch@stepcounter{%
4091     \edef\bidi@patch@counter{%

```



```

4092     \the\numexpr\bidipatch@counter+\@ne\relax
4093   }%
4094 }%
4095 }
4096 \def\bidipatch@list{}
4097 \def\bidipatch@Add{%
4098   \bidipatch@list
4099 }
4100 \def\bidipatch@AfterPackage#1{%
4101   \ifpackageloaded{#1}{%
4102     \@firstofone
4103   }{%
4104     \bidipatch@AfterPackage{#1}%
4105   }%
4106 }
4107 \def\@bidipatch@AfterPackage#1{%
4108   \edef\bidipatch@temp{#1}%
4109   \bidipatch@stepcounter
4110   \expandafter\bidipatch@@AfterPackage
4111   \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
4112     \bidipatch@temp
4113   }%
4114 }
4115 \def\bidipatch@@AfterPackage#1#2#3{%
4116   \begingroup
4117     \toks@{#3}%
4118     \xdef\bidipatch@gtemp{%
4119       \noexpand\ifpackageloaded{#2}{%
4120         \noexpand\let\noexpand#1\noexpand\relax
4121         \the\toks@
4122       }{}%
4123     }%
4124   \endgroup
4125   \let#1\bidipatch@gtemp
4126   \bidipatch@Add#1%
4127   \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
4128 }
4129
4130 \def\bidipatch@try#1#2#3{%
4131   \if@bidicsundef{#1}{%
4132     \csname #1\endcsname{#2}{#3}%
4133   }%
4134 }
4135
4136 \AtBeginDocument{\bidipatch@list}
4137
4138 \bidipatch@AtEndPreamble{\bidipatch@list}%
4139
4140 \bidipatch@AfterEndPreamble{%
4141   \let\bidipatch@OrgIfPackageLoaded\ifpackageloaded

```




```

4142 \let\bidipatch@OrgIfPackageLater\@ifpackagelater
4143 \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
4144 \let\bidipatch@OrgIfClassLater\@ifclasslater
4145 \bidipatch@list
4146 \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded
4147 \let\@ifpackagelater\bidipatch@OrgIfPackageLater
4148 \let\@ifclassloaded\bidipatch@OrgIfClassLoaded
4149 \let\@ifclasslater\bidipatch@OrgIfClassLater
4150 }%

```

21 File `bidituftefloat.sty`

```

4151 \NeedsTeXFormat{LaTeX2e}
4152 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
4153 bidi implementation of tufte float]
4154 \RequirePackage{xifthen}
4155 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
4156 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
4157 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bidit
4158 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
4159 \newboolean{\@bidituftefloat@reversegeometry}
4160 \setboolean{\@bidituftefloat@reversegeometry}{false}
4161 \DeclareOption{reversegeometry}{\setboolean{\@bidituftefloat@reversegeometry}{true}}
4162 \newboolean{\@bidituftefloat@a4paper}
4163 \DeclareOption{a4paper}{\setboolean{\@bidituftefloat@a4paper}{true}}
4164 \newboolean{\@bidituftefloat@b5paper}
4165 \DeclareOption{b5paper}{\setboolean{\@bidituftefloat@b5paper}{true}}
4166 \newboolean{\@bidituftefloat@symmetric}
4167 \newboolean{\@bidituftefloat@twoside}
4168 \DeclareOption{twoside}{%
4169 \@twosidetrue \mparswitchtrue%
4170 \setboolean{\@bidituftefloat@twoside}{true}%
4171 \setboolean{\@bidituftefloat@symmetric}{true}%
4172 }
4173 \DeclareOption{oneside}{%
4174 \@twosidefalse \mparswitchfalse%
4175 \setboolean{\@bidituftefloat@twoside}{false}%
4176 \setboolean{\@bidituftefloat@symmetric}{false}%
4177 }
4178 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4179 \newboolean{\@bidituftefloat@debug}
4180 \newcommand*{\@bidituftefloat@caption@justification}{\@bidituftefloat@justification@autodetect}
4181 \ProcessOptions
4182 %% Globally sets the length
4183 \newcommand*{\gsetlength}[2]{%
4184 \setlength{#1}{#2}%
4185 \global#1=#1\relax%
4186 }
4187
4188 %% Set the font sizes and baselines to match bidituftefloat's books

```



```

4189 \renewcommand\normalsize{%
4190   \@setfontsize\normalsize\@xpt{14}%
4191   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4192   \abovedisplayshortskip \z@ \@plus3\p@
4193   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4194   \belowdisplayskip \abovedisplayskip
4195   \let\@listi\@listI}
4196 \normalbaselineskip=14pt
4197 \normalsize
4198 \renewcommand\footnotesize{%
4199   \@setfontsize\footnotesize\@viipt{10}%
4200   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4201   \abovedisplayshortskip \z@ \@plus\p@
4202   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4203   \def\@listi{\leftmargin\leftmarginI
4204             \topsep 3\p@ \@plus\p@ \@minus\p@
4205             \parsep 2\p@ \@plus\p@ \@minus\p@
4206             \itemsep \parsep}%
4207   \belowdisplayskip \abovedisplayskip
4208 }
4209 %% Paragraph indentation and separation for marginal text
4210 \newcommand{\@biditytfloat@margin@par}{%
4211   \setlength{\RaggedRightParindent}{0.5pc}%
4212   \setlength{\JustifyingParindent}{0.5pc}%
4213   \setlength{\parindent}{0.5pc}%
4214   \setlength{\parskip}{0pt}%
4215 }
4216 \RequirePackage{ragged2e}
4217 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
4218 \RequirePackage[letterpaper, right=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginparskip]{ragged2e}
4219 \ifthenelse{\boolean{@biditytfloat@a4paper}}{
4220   {\geometry{a4paper, right=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginparskip=10mm}}
4221   {}
4222 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}{
4223   {\geometry{paperwidth=176mm, paperheight=250mm, right=14.66mm, top=13.88mm, textwidth=102.66mm, marginparskip=10mm}}
4224   {}
4225 \RequirePackage[letterpaper, left=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginparskip]{ragged2e}
4226 \ifthenelse{\boolean{@biditytfloat@a4paper}}{
4227   {\geometry{a4paper, left=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginparskip=10mm}}
4228   {}
4229 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}{
4230   {\geometry{paperwidth=176mm, paperheight=250mm, left=14.66mm, top=13.88mm, textwidth=102.66mm, marginparskip=10mm}}
4231   {}
4232 \ifthenelse{\boolean{@biditytfloat@symmetric}}{
4233   {}
4234   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
4235 \setlength{\marginparpush}{10pt}
4236 %% Font for margin items
4237 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
4238 \newcommand*{\@biditytfloat@captionfont}{\@biditytfloat@marginfont}

```



```

4239 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
4240 \newcommand{\@biditytfloat@justification}{\justifying}%
4241 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4242 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4243 \newboolean{@biditytfloat@changepage}
4244 \IfFileExists{changepage.sty}{%
4245   \biditytfloatDebugInfoNL{Found changepage.sty}
4246   \RequirePackage[strict]{changepage}
4247   \setboolean{@biditytfloat@changepage}{true}
4248 }{%
4249   \biditytfloatDebugInfoNL{Found chngpage.sty}
4250   \RequirePackage[strict]{chngpage}
4251   \setboolean{@biditytfloat@changepage}{false}
4252 }
4253 \newboolean{@biditytfloat@odd@page}
4254 \setboolean{@biditytfloat@odd@page}{true}
4255 \newcommand*{\@biditytfloat@checkoddpage}{%
4256   \checkoddpage%
4257   \ifthenelse{\boolean{@biditytfloat@changepage}}{%
4258     \ifoddpage%
4259       \setboolean{@biditytfloat@odd@page}{true}%
4260     \else%
4261       \setboolean{@biditytfloat@odd@page}{false}%
4262     \fi%
4263   }{%
4264     \ifcpoddpage%
4265       \setboolean{@biditytfloat@odd@page}{true}%
4266     \else%
4267       \setboolean{@biditytfloat@odd@page}{false}%
4268     \fi%
4269   }%
4270 }
4271 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running heads
4272 \newlength{\@biditytfloat@fullwidth}
4273 \newlength{\@biditytfloat@caption@fill}
4274 \newcommand{\@biditytfloatRecalculate}{%
4275   \setlength{\@biditytfloat@overhang}{\marginparwidth}
4276   \addtolength{\@biditytfloat@overhang}{\marginparsep}
4277
4278   \setlength{\@biditytfloat@fullwidth}{\textwidth}
4279   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
4280   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
4281
4282   \setlength{\@biditytfloat@caption@fill}{\textwidth}
4283   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
4284 }
4285 \AtBeginDocument{\@biditytfloatRecalculate}
4286 \RequirePackage{optparams}% provides multiple optional arguments for commands
4287 \RequirePackage{placeins}
4288 \newsavebox{\@biditytfloat@margin@floatbox}

```



```

4289 \newenvironment{@biditytfloat@margin@float}[2][1.2ex]%
4290 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
4291 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
4292 \begin{minipage}{\marginparwidth}%
4293   \@biditytfloat@caption@font%
4294   \def\@capttype{#2}%
4295   \hbox{\vspace*{#1}%
4296     \@biditytfloat@caption@justification%
4297     \@biditytfloat@margin@par%
4298     \noindent%
4299   }
4300 {\end{minipage}%
4301 \end{lrbox}%
4302 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
4303 }
4304 \newenvironment{marginfigure}[1][1.2ex]%
4305 {\begin{@biditytfloat@margin@float}[#1]{figure}}
4306 {\end{@biditytfloat@margin@float}}
4307 \newenvironment{margintable}[1][1.2ex]%
4308 {\begin{@biditytfloat@margin@float}[#1]{table}}
4309 {\end{@biditytfloat@margin@float}}
4310 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
4311
4312 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is processed
4313 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
4314   \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}%
4315     {\def\@biditytfloat@float@debug@info{#1}}%
4316     {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
4317 }
4318 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4319 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug@info{#1}}
4320 \newboolean{@biditytfloat@float@recto}
4321 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug@info{#1}}
4322 \newcommand{\forceversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug@info{#1}}
4323 \newsavebox{\@biditytfloat@figure@box}
4324 \newsavebox{\@biditytfloat@caption@box}
4325 \let\@biditytfloat@orig@float\float
4326 \let\@biditytfloat@orig@endfloat\endfloat
4327 \newlength{\@biditytfloat@caption@vertical@offset}
4328 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
4329 \newcommand{\@biditytfloat@stored@shortcaption}{}
4330 \newcommand{\@biditytfloat@stored@caption}{}
4331 \newcommand{\@biditytfloat@stored@label}{}
4332 \long\def\@biditytfloat@caption[#1][#2]#3{%
4333   \ifthenelse{isempty{#1}}%
4334     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
4335     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
4336   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to lower the caption
4337   \gdef\@biditytfloat@stored@caption{#3}%
4338 }

```



```

4339 \newcommand{\@biditytfloat@label}[1]{%
4340   \gdef\@biditytfloat@stored@label{#1}%
4341 }
4342 \newcommand{\@biditytfloat@fps}{%
4343   \newboolean{\@biditytfloat@float@star}%
4344   \newlength{\@biditytfloat@float@contents@width}%
4345   \newenvironment{\@biditytfloat@float}[3][htbp]{%
4346     {% begin \@biditytfloat@float
4347       % Should this float be full-width or just text-width?
4348       \ifthenelse{\equal{#3}{star}}{%
4349         {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
4350         {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
4351       % Check page side (recto/verso) and store detected value -- can be overridden in environment
4352       \@biditytfloat@checkoddpagewide%
4353       \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
4354         {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Detect
4355         {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Detect
4356       % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4357       \renewcommand{\@biditytfloat@fps}{#1}%
4358       \@biditytfloat@float@debug{Allowed positions: [ #1 ]}%
4359       \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
4360         {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bottom]
4361         {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [top]
4362       % Capture the contents of the \caption and \label commands to use later
4363       \global\let\@biditytfloat@orig@caption\caption%
4364       \global\let\@biditytfloat@orig@label\label%
4365       \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[ ] [Opt]}}%
4366       \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4367       % Handle subfigure package compatibility
4368       \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
4369         \bidi@patchcmd{\subfigure}{%
4370           \let\subfig@oldlabel=\label
4371         }{%
4372           \let\subfig@oldlabel=\@biditytfloat@orig@label
4373         }%
4374       }%
4375       \let\subtable=\subfigure
4376       }{% subfigure package is not loaded
4377       \@biditytfloat@orig@float{#2}[#1]%
4378       \ifthenelse{\boolean{\@biditytfloat@float@star}}{%
4379         {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4380         {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4381       }%
4382       \begin{lrbox}{\@biditytfloat@figure@box}%
4383       \begin{minipage}[\floatalignment][\@biditytfloat@float@contents@width]\hbox{%
4384       }% end \@biditytfloat@float
4385       \par\hbox{}% \vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% al
4386       \end{minipage}%
4387       \end{lrbox}%
4388       % build the caption box

```



```

4389 \begin{lrbox}{\@biditytfloat@caption@box}%
4390 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4391 \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@capt
4392 \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label{
4393 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4394 \end{minipage}%
4395 \end{lrbox}%
4396 % now typeset the stored boxes
4397 \begin{fullwidth}%
4398 \begin{minipage}[\floatalignment]{\linewidth}%
4399 \ifthenelse{\boolean{@biditytfloat@float@star}}%
4400 {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4401 {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4402 \end{minipage}%
4403 \end{fullwidth}%
4404 \@biditytfloat@orig@endfloat% end original LaTeX float environment
4405 % output debug info
4406 \ifthenelse{\boolean{@biditytfloat@debug}}{%
4407 \typeout{^^J^^J----- biditytfloat package float information -----}%
4408 \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
4409 {\typeout{Warning: Float unlabeled!}}%
4410 {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4411 \typeout{Page number: [\thepage]}%
4412 \def\MessageBreak{^^J}%
4413 \typeout{\@biditytfloat@float@debug@info}%
4414 \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4415 {\typeout{Symmetric: [true]}}%
4416 {\typeout{Symmetric: [false]}}%
4417 \typeout{-----^^J^^J}%
4418 }%
4419 % reset commands and temp boxes and captions
4420 \gdef\@biditytfloat@float@debug@info{%
4421 \let\caption\@biditytfloat@orig@caption%
4422 \let\label\@biditytfloat@orig@label%
4423 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4424 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4425 \gdef\@biditytfloat@stored@shortcaption{%
4426 \gdef\@biditytfloat@stored@caption{%
4427 \gdef\@biditytfloat@stored@label{%
4428 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4429 }
4430 \newcommand{\@biditytfloat@float@textwidth}[3][0pt]{%
4431 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}
4432 % asymmetric or page is odd, so caption is on the right
4433 \hbox{%
4434 \usebox{#2}%
4435 \hspace{\marginparsep}%
4436 \smash{\raisebox{#1}{\usebox{#3}}}%
4437 }
4438 \@biditytfloat@float@debug{Caption position: [right]}%

```



```

4439 }{% symmetric pages and page is even, so caption is on the left
4440   \hbox{%
4441     \smash{\raisebox{#1}{\usebox{#3}}}%
4442     \hspace{\marginparsep}%
4443     \usebox{#2}%
4444   }
4445   \@biditytfloat@float@debug{Caption position: [left]}%
4446 }%
4447 }
4448 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4449   \ifthenelse{\equal{\floatalignment}{b}}{%
4450     {% place caption above figure
4451       \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@re
4452         {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{
4453         {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{
4454     }{% place caption below figure
4455       \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@re
4456         {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{
4457         {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{
4458     }%
4459 }
4460 \renewenvironment{figure}[1][htbp]%
4461   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4462   {\end{@biditytfloat@float}}
4463 \renewenvironment{table}[1][htbp]
4464   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4465   {\end{@biditytfloat@float}}
4466 \renewenvironment{figure*}[1][htbp]%
4467   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4468   {\end{@biditytfloat@float}}
4469 \renewenvironment{table*}[1][htbp]%
4470   {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4471   {\end{@biditytfloat@float}}
4472 \newenvironment{fullwidth}
4473   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4474     {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{- \@biditytfloat@
4475     {\begin{adjustwidth}{- \@biditytfloat@overhang}}%
4476   }%
4477   {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4478     {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}%
4479     {\end{adjustwidth}}}%
4480   }
4481 \long\def\@caption#1[#2]#3{%
4482   \par%
4483   \addcontentsline{\csname ext@#1\endcsname}{#1}%
4484     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4485   \begingroup%
4486     \@parboxrestore%
4487     \if@minipage%
4488       \@setminipage%

```



```

4489 \fi%
4490 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4491 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4492 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4493 \endgroup}
4494 %%
4495 % Turns newlines into spaces. Based on code from the `titlesec' package.
4496 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
4497 \ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
4498 }
4499 \def\@biditytfloat@newlinetospace@i{%
4500 \ifdim\lastskip>\z@\else\space\fi
4501 \ignorespaces%
4502 }
4503 \DeclareRobustCommand{\newlinetospace}[1]{%
4504 \let\@biditytfloat@orig@cr\% save the original meaning of \
4505 \def\@biditytfloat@newlinetospace{% turn \ and \* into \space
4506 \let\newline\% turn \newline into \space
4507 #1%
4508 \let\@biditytfloat@orig@cr\% revert to original meaning of \
4509 }
4510 \RequirePackage{fancyhdr}
4511 \pagestyle{fancy}
4512 \AtBeginDocument{%
4513 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4514 {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
4515 {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
4516 }
4517 % The running heads/feet don't have rules
4518 \renewcommand{\headrulewidth}{0pt}
4519 \renewcommand{\footrulewidth}{0pt}
4520 % The 'fancy' page style is the default style for all pages.
4521 \fancyhf{} % clear header and footer fields
4522 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4523 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4524 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4525 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4526 % The `plain' page style is used on chapter opening pages.
4527 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4528 % bottom of pages -- the folios are unexpressed.
4529 \fancypagestyle{plain}{
4530 \fancyhf{} % clear header and footer fields
4531 % Uncomment the following five lines of code if you want the opening page
4532 % of the chapter to express the folio in the lower outside corner.
4533 % \ifthenelse{\boolean{@biditytfloat@symmetric}}
4534 % {\fancyfoot[LE,RO]{\thepage}}
4535 % {\fancyfoot[RE,RO]{\thepage}}
4536 }
4537 % The `empty' page style suppresses all headers and footers.
4538 % It's used on title pages and `intentionally blank' pages.

```




```

4539 \fancypagestyle{empty}{
4540   \fancyhf{} % clear header and footer fields
4541 }
4542 \def\morefloats{% provides a total of 52 floats
4543   \ifthenelse{\isundefined{\bx@S}}{%
4544     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4545     \newinsert\bx@S
4546     \newinsert\bx@T
4547     \newinsert\bx@U
4548     \newinsert\bx@V
4549     \newinsert\bx@W
4550     \newinsert\bx@X
4551     \newinsert\bx@Y
4552     \newinsert\bx@Z
4553     \newinsert\bx@a
4554     \newinsert\bx@b
4555     \newinsert\bx@c
4556     \newinsert\bx@d
4557     \newinsert\bx@e
4558     \newinsert\bx@f
4559     \newinsert\bx@g
4560     \newinsert\bx@h
4561     \newinsert\bx@i
4562     \newinsert\bx@j
4563     \newinsert\bx@k
4564     \newinsert\bx@l
4565     \newinsert\bx@m
4566     \newinsert\bx@n
4567     \newinsert\bx@o
4568     \newinsert\bx@p
4569     \newinsert\bx@q
4570     \newinsert\bx@r
4571     \newinsert\bx@s
4572     \newinsert\bx@t
4573     \newinsert\bx@u
4574     \newinsert\bx@v
4575     \newinsert\bx@w
4576     \newinsert\bx@x
4577     \newinsert\bx@y
4578     \newinsert\bx@z
4579     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4580       \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4581       \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4582       \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4583       \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4584       \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4585       \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4586       \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4587       \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4588       \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r

```



```

4589             \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4590             \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4591 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4592 \ifthenelse{isundefined{\bx@AA}}{%
4593     \biditytfloatDebugInfoNL{Adding 26 more float slots.}
4594     \newinsert\bx@AA
4595     \newinsert\bx@BB
4596     \newinsert\bx@CC
4597     \newinsert\bx@DD
4598     \newinsert\bx@EE
4599     \newinsert\bx@FF
4600     \newinsert\bx@GG
4601     \newinsert\bx@HH
4602     \newinsert\bx@II
4603     \newinsert\bx@JJ
4604     \newinsert\bx@KK
4605     \newinsert\bx@LL
4606     \newinsert\bx@MM
4607     \newinsert\bx@NN
4608     \newinsert\bx@OO
4609     \newinsert\bx@PP
4610     \newinsert\bx@QQ
4611     \newinsert\bx@RR
4612     \newinsert\bx@SS
4613     \newinsert\bx@TT
4614     \newinsert\bx@UU
4615     \newinsert\bx@VV
4616     \newinsert\bx@WW
4617     \newinsert\bx@XX
4618     \newinsert\bx@YY
4619     \newinsert\bx@ZZ
4620 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4621             \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4622             \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4623             \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4624             \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4625             \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4626             \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4627             \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4628             \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4629             \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4630             \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4631             \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4632             \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4633             \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4634             \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4635             \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4636             \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4637             \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4638 }{%

```



```

4639     \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageB
4640         {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\N
4641     }%
4642 }%
4643 }
4644 \newboolean{@biditytfloat@packages@subfigure}
4645 \setboolean{@biditytfloat@packages@subfigure}{false}
4646 \AtBeginDocument{%
4647     \ifpackageloaded{subfigure}
4648         {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4649         {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
4650 }
4651 \AtBeginDocument{%
4652     \ifpackageloaded{float}{%
4653         % Save the redefined float environment (instead of the LaTeX float environment)
4654         \let\biditytfloat@orig@float@float
4655         \let\biditytfloat@orig@endfloat@endfloat
4656
4657         % Define Tuftian float styles (with the caption in the margin)
4658         \newcommand{\floatc@biditytfloatplain}[2]{%
4659             \begin{lrbox}{\@biditytfloat@caption@box}%
4660                 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4661                     \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4662                 }
4663             \end{minipage}%
4664             \end{lrbox}%
4665             \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
4666     }
4667     \newcommand{\fs@biditytfloatplain}{%
4668         \def\@fs@cfont{\@biditytfloat@caption@font}%
4669         \let\@fs@capt\floatc@biditytfloatplain%
4670         \def\@fs@pre{}%
4671         \def\@fs@post{}%
4672         \def\@fs@mid{}%
4673         \let\@fs@iftopcapt\iftrue%
4674     }
4675     \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
4676     \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
4677     \newcommand{\floatc@biditytfloatruled}[2]{%
4678         {\@fs@cfont #1} #2\par%
4679     }
4680     \newcommand{\fs@biditytfloatruled}{%
4681         \def\@fs@cfont{\@biditytfloat@caption@font}%
4682         \let\@fs@capt\floatc@biditytfloatplain%
4683         \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4684         \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4685         \def\@fs@mid{}%
4686         \let\@fs@iftopcapt\iftrue%
4687     }
4688     \newcommand{\fs@biditytfloatboxed}{%
4689         \def\@fs@cfont{}%

```



```

4689 \let\@fs@capt\floatc@biditytfloatplain%
4690 \def\@fs@pre{%
4691 \setbox\@currbox\vbox{\hbadness10000
4692 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4693 \hrule \hbox to\hsize{\vrule\kern3pt
4694 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4695 }%
4696 \def\@fs@mid{\kern2pt}%
4697 \def\@fs@post{}%
4698 \let\@fs@iftopcapt\iftrue%
4699 }
4700 }{%
4701 % Nothing to do
4702 }
4703 }
4704 \AtBeginDocument{%
4705 \@ifpackageloaded{algorithm}{%
4706 % Set the float style to the Tuftean version
4707 \ifthenelse{equal{\ALG@floatstyle}{plain}}\OR{equal{\ALG@floatstyle}{ruled}}\OR{equal{\ALG@floatstyle}{bityt}}{
4708 \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
4709 \floatstyle{biditytfloat\ALG@floatstyle}}%
4710 \restylefloat{algorithm}%
4711 }{}%
4712 }{%
4713 % Nothing to do
4714 }
4715 }
4716 \PassOptionsToPackage{caption=false}{subfig}

```

```

4717 \NeedsTeXFormat{LaTeX2e}
4718 \ProvidesPackage{bidityftesidenote}[2017/08/09 v0.4
4719 bidi implementation of tufte sidenote]
4720 \RequirePackage{xifthen}
4721 \RequirePackage{ragged2e}
4722 \RequirePackage{setspace}
4723 \RequirePackage{biditytools}
4724 \def\bidityftesidenotemarginpar{%
4725   \ifhmode
4726     \@bsphack
4727     \@floatpenalty -\@Mii
4728   \else
4729     \@floatpenalty-\@Miii
4730   \fi
4731   \ifinner
4732     \@parmoderr
4733     \@floatpenalty\z@
4734   \else
4735     \@next\@currbox\@freelist{}{}%

```



```

4736 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4737 {\@floatpenalty\z@
4738 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4739 \fi
4740 \@ifnextchar [\@bituftesidenotexmpar\@bituftesidenoteympar}
4741 \long\def\@bituftesidenotexmpar[#1]#2{%
4742 \@bituftesidenotesavemarbox\@marbox{#1}%
4743 \@bituftesidenotesavemarbox\@currbox{#2}%
4744 \@xympar}
4745 \long\def\@bituftesidenoteympar#1{%
4746 \@bituftesidenotesavemarbox\@marbox{#1}%
4747 \global\setbox\@currbox\copy\@marbox
4748 \@xympar}
4749 \long\def \@bituftesidenotesavemarbox #1#2{%
4750 \global\setbox #1%
4751 \color@vbox
4752 \vtop{%
4753 \hsize\marginparwidth
4754 \@parboxrestore
4755 \@bituftesidenotemarginparreset
4756 #2%
4757 \@minipagefalse
4758 \outer@nobreak
4759 }%
4760 \color@endbox
4761 }
4762 \def \@bituftesidenotemarginparreset {%
4763 \reset@font
4764 \normalsize
4765 \@minipagetrue
4766 \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
4767 }
4768 \def\LTRbituftesidenotemarginpar{%
4769 \ifhmode
4770 \@bsphack
4771 \@floatpenalty -\@Mii
4772 \else
4773 \@floatpenalty-\@Miii
4774 \fi
4775 \ifinner
4776 \@parmoderr
4777 \@floatpenalty\z@
4778 \else
4779 \@next\@currbox\@freelist{}}}%
4780 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4781 {\@floatpenalty\z@
4782 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4783 \fi
4784 \@ifnextchar [\@LTRbituftesidenotexmpar\@LTRbituftesidenoteympar}
4785 \long\def\@LTRbituftesidenotexmpar[#1]#2{%

```



```

4786 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4787 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4788 \@xympar}
4789 \long\def\@LTRbidityftesidenoteympar#1{%
4790 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4791 \global\setbox\@currbox\copy\@marbox
4792 \@xympar}
4793 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4794 \global\setbox #1%
4795 \color@vbox
4796 \vtop{%
4797 \hsize\marginparwidth
4798 \@parboxrestore
4799 \@LTRbidityftesidenotemarginparreset
4800 #2%
4801 \@minipagefalse
4802 \outer@nobreak
4803 }%
4804 \color@endbox
4805 }
4806 \def \@LTRbidityftesidenotemarginparreset {%
4807 \reset@font
4808 \normalsize
4809 \@minipagetrue
4810 \everypar{\@minipagefalse\everypar{}\beginL}%
4811 }
4812 \def\RTLbidityftesidenotemarginpar{%
4813 \ifhmode
4814 \@bsphack
4815 \@floatpenalty -\@Mii
4816 \else
4817 \@floatpenalty-\@Miii
4818 \fi
4819 \ifinner
4820 \@parmoderr
4821 \@floatpenalty\z@
4822 \else
4823 \@next\@currbox\@freelist{}\}%
4824 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4825 {\@floatpenalty\z@
4826 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4827 \fi
4828 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
4829 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4830 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4831 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4832 \@xympar}
4833 \long\def\@RTLbidityftesidenoteympar#1{%
4834 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4835 \global\setbox\@currbox\copy\@marbox

```



```

4836 \@xympar}
4837 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4838 \global\setbox #1%
4839 \color@vbox
4840 \vtop{%
4841 \hsize\marginparwidth
4842 \@parboxrestore
4843 \@RTLbidityftesidenotemarginparreset
4844 #2%
4845 \@minipagefalse
4846 \outer@nobreak
4847 }%
4848 \color@endbox
4849 }
4850 \def \@RTLbidityftesidenotemarginparreset {%
4851 \reset@font
4852 \normalsize
4853 \@minipagetrue
4854 \everypar{\@minipagefalse\everypar{\beginR}}%
4855 }
4856 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
4857 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
4858 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
4859 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
4860 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
4861 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
4862 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
4863 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
4864 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
4865 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
4866 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
4867 \newcommand*{\@bidityftesidenote@RTLCitation@font}{\@bidityftesidenote@RTLmarginfont}
4868 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
4869 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
4870 \newcommand*{\setRTLSidenote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
4871 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
4872 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
4873 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
4874 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
4875 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
4876 \newcommand*{\setRTLCitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLCitation@font}{#1}}
4877 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@autodetect}
4878 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@autodetect}
4879 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@autodetect}
4880 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
4881 \newcommand{\@bidityftesidenote@margin@par}{%
4882 \setlength{\RaggedRightParindent}{0.5pc}%
4883 \setlength{\JustifyingParindent}{0.5pc}%
4884 \setlength{\parindent}{0.5pc}%
4885 \setlength{\parskip}{0pt}%

```



```

4886 }
4887 %%
4888 % Globally sets the length
4889 \@ifundefined{gsetlength}{%
4890 \newcommand*{\gsetlength}[2]{%
4891   \setlength{#1}{#2}%
4892   \global#1=#1\relax%
4893 }%
4894 }{}
4895
4896 %%
4897 % A function that removes leading and trailing spaces from the supplied macro.
4898 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4899 % Executing \@bidityftesidenote@trim@spaces\xyzyzzy will result in the contents of \xyzyzzy
4900 % being trimmed of leading and trailing white space.
4901 \catcode\Q=3
4902 \def\@bidityftesidenote@trim@spaces#1{%
4903   % Use grouping to emulate a multi-token afterassignment queue
4904   \begingroup%
4905   % Put \toks 0 {' into the afterassignment queue
4906   \aftergroup\toks\aftergroup0\aftergroup{%
4907     % Apply \trimb to the replacement text of #1, adding a leading
4908     % \noexpand to prevent brace stripping and to serve another purpose
4909     % later.
4910     \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1\Q\}%
4911     % Transfer the trimmed text back into #1.
4912     \edef#1{\the\toks0}%
4913   }
4914 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4915 % clean up any leftover bizarre Qs, and trim a leading space. In
4916 % order for \trimc to work properly we need to put back a Q first.
4917 \def\@bidityftesidenote@trim@b#1\Q{\@bidityftesidenote@trim@c#1\Q}
4918 % Execute \vfuzz assignment to remove leading space; the \noexpand
4919 % will now prevent unwanted expansion of a macro or other expandable
4920 % token at the beginning of the trimmed text. The \endgroup will feed
4921 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4922 \def\@bidityftesidenote@trim@c#1\Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4923 \catcode\Q=11
4924 %%
4925 % Citations should go in the margin as sidenotes
4926
4927 \RequirePackage{natbib}
4928 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography envi
4929 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4930 \renewcommand\BR@b@bibitem[2][{}]{%
4931   \ifthenelse{\isempty{#1}}{%
4932     {\BR@bibitem{#2}}%
4933     {\BR@bibitem[#1]{#2}}%
4934   \BR@cc@bibitem{#2}%
4935 }

```




```

4936 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4937 %%
4938 % Normal \cite behavior
4939 \newcounter{@biditytesidenote@num@bibkeys}%
4940 \newcommand{\@biditytesidenote@normal@cite}[2][Opt]{%
4941 % Snag the last bibentry in the list for later comparison
4942 \let\@temp@last@bibkey\@empty%
4943 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4944 \sidenote[] [#1]{%
4945 % Loop through all the bibentries, separating them with semicolons and spaces
4946 \normalsize\normalfont\@biditytesidenote@citation@font%
4947 \setcounter{@biditytesidenote@num@bibkeys}{0}%
4948 \@for\@temp@bibkeyx:=#2\do{%
4949 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4950 {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
4951 \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4952 \bibentry{\@temp@bibkeyx}}%
4953 {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4954 \bibentry{\@temp@bibkeyx};\ }%
4955 \stepcounter{@biditytesidenote@num@bibkeys}%
4956 }%
4957 }%
4958 }
4959 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
4960 % Snag the last bibentry in the list for later comparison
4961 \let\@temp@last@bibkey\@empty%
4962 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4963 \LTRsidenote[] [#1]{%
4964 % Loop through all the bibentries, separating them with semicolons and spaces
4965 \normalsize\normalfont\@biditytesidenote@LTRcitation@font%
4966 \setcounter{@biditytesidenote@num@bibkeys}{0}%
4967 \@for\@temp@bibkeyx:=#2\do{%
4968 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4969 {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
4970 \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4971 \bibentry{\@temp@bibkeyx}}%
4972 {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4973 \bibentry{\@temp@bibkeyx};\ }%
4974 \stepcounter{@biditytesidenote@num@bibkeys}%
4975 }%
4976 }%
4977 }
4978 \newcommand{\@bidityfteRTLSidenote@normal@cite}[2][Opt]{%
4979 % Snag the last bibentry in the list for later comparison
4980 \let\@temp@last@bibkey\@empty%
4981 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4982 \RTLSidenote[] [#1]{%
4983 % Loop through all the bibentries, separating them with semicolons and spaces
4984 \normalsize\normalfont\@biditytesidenote@citation@font%
4985 \setcounter{@biditytesidenote@num@bibkeys}{0}%

```



```

4986 \@for\@temp@bibkeyx:=#2\do{%
4987 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4988 {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
4989 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4990 \bibentry{\@temp@bibkeyx}}%
4991 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4992 \bibentry{\@temp@bibkeyx};\ }%
4993 \stepcounter{@bidituftesidenote@num@bibkeys}}%
4994 }%
4995 }%
4996 }
4997 %%
4998 % Macros for holding the list of cite keys until after the \sidenote
4999 \gdef\@bidituftesidenote@citations{}% list of cite keys
5000 \newcommand\@bidituftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
5001 \ifx\@bidituftesidenote@citations\empty\else
5002 \g@addto@macro\@bidituftesidenote@citations{,}% separate by commas
5003 \fi
5004 \g@addto@macro\@bidituftesidenote@citations{#1}
5005 }
5006 \newcommand{\@bidituftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
5007 % Snag the last bibentry in the list for later comparison
5008 \let\@temp@last@bibkey\empty%
5009 \@for\@temp@bibkey:=\@bidituftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
5010 \marginpar{%
5011 \hbox{\vspace*{#1}}%
5012 \@bidituftesidenote@citation@font%
5013 \@bidituftesidenote@citation@justification%
5014 \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
5015 \vspace*{-1\baselineskip}%
5016 % Loop through all the bibentries, separating them with semicolons and spaces
5017 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
5018 \@for\@temp@bibkeyx:=\@bidituftesidenote@citations\do{%
5019 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5020 {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
5021 \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5022 \bibentry{\@temp@bibkeyx}}%
5023 {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5024 \bibentry{\@temp@bibkeyx};\ }%
5025 \stepcounter{@bidituftesidenote@num@bibkeys}}%
5026 }%
5027 }%
5028 }
5029 %%
5030 % \cite behavior when executed within a sidenote
5031 \newcommand{\@bidituftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
5032 \newcommand{\@bidituftesidenote@infootnote@cite}[1]{%
5033 \@bidituftesidenote@add@citation{#1}
5034 }
5035 %%

```



```

5036% Set the default \cite style. This is set and reset by the \sidenote command.
5037\let\cite\@bidityftesidenote@normal@cite
5038\let\LTRcite\@bidityftelTRsidenote@normal@cite
5039\let\RTLcite\@bidityfteRTLsidenote@normal@cite
5040%%
5041% Transform existing \footnotes into \sidenotes
5042% Sidenote: ``Where God meant footnotes to go.' ' ---bidityftesidenote
5043\RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5044\providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5045\renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5046% Override footmisc's definition to set the sidenote marks (numbers) inside the
5047% sidenote's text block.
5048\bidipatch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@sidenote@font}}
5049% Set the in-text footnote mark in the same typeface as the body text itself.
5050\bidipatch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@sidenote@font}}
5051\providecommand*\@multiplefootnotemark{\hspace{3sp}}
5052\providecommand*\multfootsep{,}
5053\bidipatch@AfterPackage{bidi}{%
5054\renewcommand{\@footnotemark}{%
5055\leavevmode%
5056\ifhmode%
5057\edef\@x@sf{\the\spacefactor}%
5058\@bidityftesidenote@check@multiple@sidenotes%
5059\nobreak%
5060\fi%
5061\@makefnmark%
5062\ifhmode\spacefactor\@x@sf\fi%
5063\relax%
5064}%
5065}
5066\newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
5067\ifdim\lastkern=\multiplefootnotemark\relax%
5068\edef\@x@sf{\the\spacefactor}%
5069\unkern%
5070\textsuperscript{\multfootsep}%
5071\spacefactor\@x@sf\relax%
5072\fi
5073}
5074\bidipatch@AfterPackage{bidi}{%
5075\renewcommand\@footnotetext[2][0pt]{%
5076\@bidityftesidenotemarginpar{%
5077\hbox{\vspace*{#1}}%
5078\def\baselinestretch{\setspace@singlespace}%
5079\reset@font%
5080\@bidityftesidenote@font\reset@font\footnotesize%
5081\@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5082\vspace*{-1\baselineskip}\noindent%
5083\protected@edef\@currentlabel{%
5084\csname p@footnote\endcsname\@thefnmark%
5085}%

```



```

5086 \color@begingroup%
5087 \makefnintext{%
5088 \ignorespaces#2%
5089 }%
5090 \color@endgroup%
5091 }%
5092 }%
5093 \renewcommand\@LTRfootnotetext[2][Opt]{%
5094 \LTRbidityftesidenotemarginpar{%
5095 \hbox{}\vspace*{#1}%
5096 \def\baselinestretch {\setspace@singlespace}%
5097 \reset@font%
5098 \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5099 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5100 \vspace*{-1\baselineskip}\noindent%
5101 \protected@edef\@currentlabel{%
5102 \csname p@footnote\endcsname\@thefnmark%
5103 }%
5104 \color@begingroup%
5105 \makefnintext{%
5106 \ignorespaces#2%
5107 }%
5108 \color@endgroup%
5109 }%
5110 }%
5111 \renewcommand\@RTLfootnotetext[2][Opt]{%
5112 \RTLbidityftesidenotemarginpar{%
5113 \hbox{}\vspace*{#1}%
5114 \def\baselinestretch {\setspace@singlespace}%
5115 \reset@font%
5116 \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5117 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5118 \vspace*{-1\baselineskip}\noindent%
5119 \protected@edef\@currentlabel{%
5120 \csname p@footnote\endcsname\@thefnmark%
5121 }%
5122 \color@begingroup%
5123 \makefnintext{%
5124 \ignorespaces#2%
5125 }%
5126 \color@endgroup%
5127 }%
5128 }%
5129 }
5130 %
5131 % Define \sidenote command. Can handle \cite.
5132 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
5133 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
5134 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5135 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%

```



```

5136 \let\cite\@bidityftesidenote@infootnote@cite%      use the in-sidenote \cite command
5137 \gdef\@bidityftesidenote@citations{}%              clear out any old citations
5138 \ifthenelse{NOT\isempty{#2}}{%
5139   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5140 }{%
5141   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5142 }%
5143 \ifthenelse{\isempty{#1}}{%
5144   % no specific footnote number provided
5145   \stepcounter\@mpfn%
5146   \protected@xdef\@thefnmark{\thempfn}%
5147   \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5148 }{%
5149   % specific footnote number provided
5150   \begingroup%
5151     \csname c@\@mpfn\endcsname #1\relax%
5152     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5153   \endgroup%
5154   \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5155 }%
5156 \@bidityftesidenote@print@citations%                print any citations
5157 \let\cite\@bidityftesidenote@normal@cite%           go back to using normal in-text \cite command
5158 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%     go back to using normal in-text \LTRcite
5159 \let\RTLcite\@bidityfteRTLSidenote@normal@cite%     go back to using normal in-text \RTLcite
5160 \unskip\ignorespaces%                               remove extra white space
5161 \kern-\multiplefootnotemarker%                      remove \kern left behind by sidenote
5162 \kern\multiplefootnotemarker\relax%                 add new \kern here to replace the one we yanked
5163 }
5164 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
5165   \let\cite\@bidityftesidenote@infootnote@cite%      use the in-sidenote \cite command
5166   \gdef\@bidityftesidenote@citations{}%              clear out any old citations
5167   \ifthenelse{NOT\isempty{#2}}{%
5168     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5169   }{%
5170     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5171   }%
5172   \ifthenelse{\isempty{#1}}{%
5173     % no specific footnote number provided
5174     \stepcounter\@mpfn%
5175     \protected@xdef\@thefnmark{\thempfn}%
5176     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5177   }{%
5178     % specific footnote number provided
5179     \begingroup%
5180       \csname c@\@mpfn\endcsname #1\relax%
5181       \unrestored@protected@xdef\@thefnmark{\thempfn}%
5182     \endgroup%
5183     \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5184   }%
5185   \@bidityftesidenote@print@citations%                print any citations

```



```

5186 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5187 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5188 \let\RTLcite\@bidityfteRTLSidenote@normal@cite%  go back to using normal in-text \RTLcite
5189 \unskip\ignorespaces%                          remove extra white space
5190 \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
5191 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5192 }
5193 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5194 \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
5195 \gdef\@bidityftesidenote@citations{}%            clear out any old citations
5196 \ifthenelse{\NOT\isempty{#2}}{%
5197   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5198 }{%
5199   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5200 }%
5201 \ifthenelse{\isempty{#1}}{%
5202   % no specific footnote number provided
5203   \stepcounter\@mpfn%
5204   \protected@xdef\@thefnmark{\thempfn}%
5205   \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5206 }{%
5207   % specific footnote number provided
5208   \begingroup%
5209     \csname c@\@mpfn\endcsname #1\relax%
5210     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5211   \endgroup%
5212   \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5213 }%
5214 \@bidityftesidenote@print@citations%              print any citations
5215 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5216 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5217 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5218 \unskip\ignorespaces%                          remove extra white space
5219 \kern-\multiplefootnotemarker%                  remove \kern left behind by sidenote
5220 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5221 }
5222 \newcommand{\sidenote}{\@bidityftesidenote@sidenote}{[ ] [Opt]}%
5223 \newcommand{\LTRsidenote}{\@bidityftesidenote@sidenote}{[ ] [Opt]}%
5224 \newcommand{\RTLSidenote}{\@bidityftesidenote@sidenote}{[ ] [Opt]}%
5225 \bidi@patch@AfterPackage{bidi}{%
5226 \renewcommand{\footnote}{\@bidityftesidenote@sidenote}{[ ] [Opt]}%
5227 \renewcommand{\LTRfootnote}{\@bidityftesidenote@sidenote}{[ ] [Opt]}%
5228 \renewcommand{\RTLfootnote}{\@bidityftesidenote@sidenote}{[ ] [Opt]}%
5229 }
5230 %%
5231 % Sidenote without the footnote mark
5232 \newcommand\marginnote[2][Opt]{%
5233 \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
5234 \gdef\@bidityftesidenote@citations{}%            clear out any old citations
5235 \bidityftesidenotemarginpar{\hbox{\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@marginnote@text}}

```



```

5236 \@bidityftesidenote@print@citations%          print any citations
5237 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5238 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5239 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite
5240 }
5241 \newcommand\LTRmarginnote[2][Opt]{%
5242 \let\cite\@bidityftesidenote@infootnote@cite%  use the in-sidenote \cite command
5243 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
5244 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@font
5245 \@bidityftesidenote@print@citations%          print any citations
5246 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5247 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5248 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite
5249 }
5250 \newcommand\RTLmarginnote[2][Opt]{%
5251 \let\cite\@bidityftesidenote@infootnote@cite%  use the in-sidenote \cite command
5252 \gdef\@bidityftesidenote@citations{}%          clear out any old citations
5253 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@bidityftesidenote@font
5254 \@bidityftesidenote@print@citations%          print any citations
5255 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5256 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5257 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite
5258 }

```

23 File bidityftetoc.sty

```

5259 \NeedsTeXFormat{LaTeX2e}
5260 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5261 bidi implementation of tufte toc]
5262 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5263 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5264 \newcommand{\@bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5265 %%
5266 % Turn off section numbering
5267 \setcounter{secnumdepth}{-1}
5268 \newboolean{@bidityftetoc@toc}
5269 \setboolean{@bidityftetoc@toc}{true}
5270 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
5271 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
5272 \ProcessOptions
5273 %%
5274 % Make Tufte-style section headings and TOC formatting
5275 \bidityftetoc@patch@AfterPackage{bidi}{%
5276 \titleformat{\chapter}%
5277 [display]% shape
5278 {\relax\ifthenelse{NOT\boolean{@bidityftefloat@symmetric}}{\begin{fullwidth}}{}}% format ap
5279 {\itshape\huge\thechapter}% label
5280 {Opt}% horizontal separation between label and title body
5281 {\huge\rmfamily\itshape}% before the title body
5282 [\ifthenelse{NOT\boolean{@bidityftefloat@symmetric}}{\end{fullwidth}}{}}% after the title b

```



```

5283 \titleformat{\section}%
5284   [hang]% shape
5285   {\normalfont\Large\itshape}% format applied to label+text
5286   {\thesection}% label
5287   {1em}% horizontal separation between label and title body
5288   {}% before the title body
5289   []% after the title body
5290 \titleformat{\subsection}%
5291   [hang]% shape
5292   {\normalfont\large\itshape}% format applied to label+text
5293   {\thesubsection}% label
5294   {1em}% horizontal separation between label and title body
5295   {}% before the title body
5296   []% after the title body
5297 \titleformat{\paragraph}%
5298   [runin]% shape
5299   {\normalfont\itshape}% format applied to label+text
5300   {\theparagraph}% label
5301   {1em}% horizontal separation between label and title body
5302   {}% before the title body
5303   []% after the title body
5304 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5305 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5306 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5307 }
5308 % Subsubsection and following section headings shouldn't be used.
5309 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5310 \renewcommand\subsubsection{%
5311   \bidityftetocError{\noexpand\subsubsection is undefined by this class.%
5312     \MessageBreak See Robert Bringhurst's _The Elements of
5313     \MessageBreak Typographic Style_, section 4.2.2.
5314     \MessageBreak \noexpand\subsubsection was used}
5315   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5316     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5317     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
5318 }
5319 \renewcommand\subparagraph{%
5320   \bidityftetocError{\noexpand\subparagraph is undefined by this class.%
5321     \MessageBreak See Robert Bringhurst's _The Elements of
5322     \MessageBreak Typographic Style_, section 4.2.2.
5323     \MessageBreak \noexpand\subparagraph was used}
5324   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5325     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5326     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftetoc.com/.}
5327 }
5328 % Formatting for main TOC (printed in front matter)
5329 {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5330 \ifthenelse{\boolean{@bidityftetoc@toc}}{%
5331   \bidi@patch@AfterPackage{bidi}{%
5332     \titlecontents{part}% FIXME

```




```

5333 [0em] % distance from left margin
5334 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5335 {\contentslabel{2em}} % before w/label (label = ``II'')
5336 {} % before w/o label
5337 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5338 [\end{fullwidth}] % after
5339 \titlecontents{chapter}%
5340 [0em] % distance from left margin
5341 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5342 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5343 {\hspace*{0em}} % before w/o label
5344 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5345 [\end{fullwidth}] % after
5346 \titlecontents{section}% FIXME
5347 [0em] % distance from left margin
5348 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5349 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5350 {\hspace*{2em}} % before w/o label
5351 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5352 [\end{fullwidth}] % after
5353 \titlecontents{subsection}% FIXME
5354 [0em] % distance from left margin
5355 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5356 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5357 {\hspace*{4em}} % before w/o label
5358 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5359 [\end{fullwidth}] % after
5360 \titlecontents{paragraph}% FIXME
5361 [0em] % distance from left margin
5362 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global for
5363 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5364 {\hspace*{6em}} % before w/o label
5365 {\rmfamily\upshape\qquad\thecontentspage} % filler + page (leaders and page num)
5366 [\end{fullwidth}] % after
5367 }%
5368 {}
5369 %%
5370 % Format lists of figures/tables
5371 \renewcommand\listoffigures{%
5372   \@ifundefined{chapter}%
5373     {\section*{\listfigurename}}%
5374     {\chapter*{\listfigurename}}%
5375 % \begin{fullwidth}%
5376 % \@starttoc{lof}%
5377 % \end{fullwidth}%
5378 }
5379 \renewcommand\listoftables{%
5380   \@ifundefined{chapter}%
5381     {\section*{\listtablename}}%
5382     {\chapter*{\listtablename}}%

```



```

5383% \begin{fullwidth}%
5384 \starttoc{lot}%
5385% \end{fullwidth}%
5386}
5387\newcommand{\@bidityfttoc@lof@line}[2]{%
5388 % #1 is the figure/table number and its caption text
5389 % #2 is the page number on which the figure/table appears
5390 \leftskip 0.0em
5391 \rightskip 0em
5392 \parfillskip 0em plus 1fil
5393 \parindent 0.0em
5394 \@afterindenttrue
5395 \interlinepenalty\@M
5396 \leavevmode
5397 \@tempdima 2.0em
5398 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5399 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5400 {#1}\nobreak\quad\nobreak#2%
5401 \par%
5402}
5403\renewcommand*\l@figure{\@bidityfttoc@lof@line}
5404\let\l@table\l@figure

```

24 File bidityftgeneralstructure.sty

```

5405\NeedsTeXFormat{LaTeX2e}
5406\ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5407bidi implementation of tufte general structure]
5408\renewcommand\small{%
5409 \setfontsize\small\@ixpt{12}%
5410 \abovedisplayskip 8.5p@ \@plus3p@ \@minus4p@
5411 \abovedisplayshortskip \z@ \@plus2p@
5412 \belowdisplayshortskip 4p@ \@plus2p@ \@minus2p@
5413 \def\@listi{\leftmargin\leftmargini
5414 \topsep 4p@ \@plus2p@ \@minus2p@
5415 \parsep 2p@ \@plusp@ \@minusp@
5416 \itemsep \parsep}%
5417 \belowdisplayskip \abovedisplayskip
5418}
5419\renewcommand\scriptsize{\setfontsize\scriptsize\@viipt\@viiipt}
5420\renewcommand\tiny{\setfontsize\tiny\@vpt\@vpt}
5421\renewcommand\large{\setfontsize\large\@xipt{15}}
5422\renewcommand\Large{\setfontsize\Large\@xipt{16}}
5423\renewcommand\LARGE{\setfontsize\LARGE\@xipt{18}}
5424\renewcommand\huge{\setfontsize\huge\@xxpt{30}}
5425\renewcommand\Huge{\setfontsize\Huge{24}{36}}
5426\setlength\leftmargini {1pc}
5427\setlength\leftmarginii {1pc}
5428\setlength\leftmarginiii {1pc}
5429\setlength\leftmarginiv {1pc}

```



```

5430 \setlength\leftmarginv {1pc}
5431 \setlength\leftmarginvi {1pc}
5432 \setlength\labelsep {0.5pc}
5433 \setlength\labelwidth {\leftmargini}
5434 \addtolength\labelwidth{-\labelsep}
5435 \setlength{\parindent}{1.0pc}%
5436 \setlength{\parskip}{0pt}%
5437 \RequirePackage{ragged2e}
5438 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5439 % Paragraph indentation and separation for normal text
5440 \newcommand{\@bidityftgeneralstructure@reset@par}{%
5441 \setlength{\RaggedRightParindent}{1.0pc}%
5442 \setlength{\JustifyingParindent}{1.0pc}%
5443 \setlength{\parindent}{1pc}%
5444 \setlength{\parskip}{0pt}%
5445 }
5446 \@bidityftgeneralstructure@reset@par
5447 % Require paralist package for tighter lists
5448 \RequirePackage{paralist}
5449 % Add rightmargin to compactenum
5450 \def\@compactenum{%
5451 \expandafter\list\csname label\@enumctr\endcsname{%
5452 \usecounter{\@enumctr}%
5453 \rightmargin=2em% added this
5454 \parsep\plparsep
5455 \itemsep\plitemsep
5456 \topsep\pltopsep
5457 \partopsep\plpartopsep
5458 \def\makelabel##1{\hss\llap{##1}}}%
5459 %%
5460 % An environment for paragraph-style section
5461 \providecommand\newthought[1]{%
5462 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5463 \noindent\textbf{#1}%
5464 }
5465 %%
5466 % Redefine the display environments (quote, quotation, etc.)
5467 \renewenvironment{verse}
5468 {\let\\\@centercr
5469 \list{}\itemsep \z@
5470 \itemindent -1pc%
5471 \listparindent\itemindent
5472 \rightmargin \leftmargin
5473 \advance\leftmargin 1pc}%
5474 \small%
5475 \item\relax}
5476 {\endlist}
5477 \renewenvironment{quotation}
5478 {\list{}\listparindent 1pc%
5479 \itemindent \listparindent

```



```

5480 \rightmargin \leftmargin
5481 \parsep \z@ \@plus\p@}%
5482 \small%
5483 \item\relax\noindent\ignorespaces}
5484 {\endlist}
5485 \renewenvironment{quote}
5486 {\list{}{\rightmargin\leftmargin}%
5487 \small%
5488 \item\relax}
5489 {\endlist}
5490 % Italicize description run-in headings (instead of the default bold)
5491 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5492 %%
5493 % Redefine \bibsection to not mark the running heads.
5494 % (Code modified from natbib.sty.)
5495 \@ifundefined{chapter}%
5496 {\renewcommand\bibsection{\section*{\refname}}}
5497 {\@ifundefined{NAT@sectionbib}%
5498 {\renewcommand\bibsection{\chapter{\bibname}}}
5499 {\renewcommand\bibsection{\section*{\bibname}}}}
5500 \RequirePackage{multicol}
5501 \renewenvironment{theindex}{%
5502 \@ifundefined{chapter}%
5503 {\section*{\indexname}}%
5504 {\chapter{\indexname}}%
5505 \begin{fullwidth}%
5506 \small%
5507 \parskip0pt%
5508 \parindent0pt%
5509 \let\item\@idxitem%
5510 \begin{multicols}{3}%
5511 }{%
5512 \end{multicols}%
5513 \end{fullwidth}%
5514 }
5515 \AtBeginDocument{%
5516 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5517 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5518 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5519 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5520 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

25 File `bidituftehyperref.sty`

```

5521 \NeedsTeXFormat{LaTeX2e}
5522 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5523 bidi implementation of tufte hyperref]
5524 %%
5525 % Color
5526 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%

```



```

5527 \newboolean{@biditytetherref@loadhyper}
5528 \setboolean{@biditytetherref@loadhyper}{true}
5529 \DeclareOption{hyper}{\setboolean{@biditytetherref@loadhyper}{true}}
5530 \DeclareOption{nohyper}{\setboolean{@biditytetherref@loadhyper}{false}}
5531 \ProcessOptions
5532 %% Loads the hyperref package and sets some default options.
5533 \newcommand{\biditytetherrefLoadHyperref}{%
5534 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5535 \hypersetup{%
5536   bookmarksdepth = section,
5537   citecolor = DarkGreen,
5538   linkcolor = DarkBlue,
5539   pagecolor = DarkBlue,
5540   urlcolor = DarkGreen,
5541 }%
5542 }
5543 \ifthenelse{\boolean{@biditytetherref@loadhyper}}{%
5544   \biditytetherrefLoadHyperref%
5545 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5546   \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5547 }

```

26 File biditytetherref.sty

```

5548 \NeedsTeXFormat{LaTeX2e}
5549 \ProvidesPackage{biditytetherref}[2011/06/18 v0.1
5550 bidi implementation of tufte title]
5551 \RequirePackage{biditytools}
5552 %%
5553 % `titlepage' option -- creates a full title page with \maketitle
5554 \newboolean{@biditytetherref@titlepage}
5555 \DeclareOption{titlepage}{\setboolean{@biditytetherref@titlepage}{true}}
5556 \DeclareOption{notitlepage}{\setboolean{@biditytetherref@titlepage}{false}}
5557 % Default `book' and `handout' options
5558 \@ifclassloaded{book}{%
5559 \ExecuteOptions{titlepage}}{%
5560 \@ifclassloaded{article}{%
5561 \ExecuteOptions{notitlepage}}%
5562 {}
5563 \ProcessOptions
5564 %%
5565 % Modified \title, \author, and \date commands. These store the
5566 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5567 \newcommand{\plaintitle}{}% plain-text-only title
5568 \newcommand{\plainauthor}{}% plain-text-only author
5569 \newcommand{\plainpublisher}{}% plain-text-only publisher
5570 \newcommand{\thanklessitle}{}% full title text minus \thanks{}
5571 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5572 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5573 \newcommand{\@publisher}{}% full publisher with \thanks{}

```



```

5574 \newcommand{\thedata}{\today}
5575 \bidi@patch@AfterPackage{bidi}{%
5576 \renewcommand{\thanks}[1]{\footnote{#1}}
5577 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5578 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5579 }
5580 \renewcommand{\title}[2][]{%
5581   \gdef\@title{#2}%
5582   \begingroup%
5583     % TODO store contents of \thanks command
5584     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5585     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5586     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5587     \protected@xdef\thanklesstitle{#2}%
5588   \endgroup%
5589   \ifthenelse{\isempty{#1}}%
5590     {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5591     {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5592   \@ifundefined{hypersetup}%
5593     {}% hyperref is not loaded; do nothing
5594     {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5595 }
5596 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5597 \renewcommand{\author}[2][]{%
5598   \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
5599   \begingroup%
5600     % TODO store contents of \thanks command
5601     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5602     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5603     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5604     \protected@xdef\thanklessauthor{#2}%
5605   \endgroup%
5606   \ifthenelse{\isempty{#1}}%
5607     {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5608     {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5609   \@ifundefined{hypersetup}%
5610     {}% hyperref is not loaded; do nothing
5611     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5612 }
5613 \renewcommand{\date}[1]{%
5614   \gdef\@date{#1}%
5615   \begingroup%
5616     % TODO store contents of \thanks command
5617     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5618     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5619     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5620     \protected@xdef\thedata{#1}%
5621   \endgroup%
5622 }
5623 %%

```



```

5624% Provides a \publisher command to set the publisher
5625\newcommand{\publisher}[2][]{%
5626  \gdef\@publisher{#2}%
5627  \begingroup%
5628    \renewcommand{\thanks}[1]{}% swallow \thanks contents
5629    \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5630    \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5631    \protected@xdef\thanklesspublisher{#2}%
5632  \endgroup%
5633  \ifthenelse{\isempty{#1}}{
5634    {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5635    {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5636  }
5637%%
5638% Produces a full title page
5639\newcommand{\maketitlepage}[0]{%
5640  \cleardoublepage%
5641  {%
5642    \bfseries%
5643    \begin{fullwidth}%
5644      \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5645      \vspace{11.5pc}%
5646      \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5647      \vfill%
5648      \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5649    \end{fullwidth}%
5650  }
5651  \thispagestyle{empty}%
5652  \clearpage%
5653}
5654%%
5655% Title block
5656\bidit@AfterEndPreamble{%
5657\renewcommand{\maketitle}{%
5658  \newpage%
5659  \global\@topnum\z@% prevent floats from being placed at the top of the page
5660  \begingroup%
5661    \setlength{\parindent}{0pt}%
5662    \setlength{\parskip}{4pt}%
5663    \let\@title\@empty%
5664    \let\@author\@empty%
5665    \let\@date\@empty%
5666    \gdef\@title{\LARGE\itshape\@title\par}%
5667    \gdef\@author{\Large\itshape\@author\par}%
5668    \gdef\@date{\Large\itshape\@date\par}%
5669    \@title%
5670    \@author%
5671    \@date%
5672  \endgroup%
5673  \thispagestyle{plain}% suppress the running head

```



```

5674 }%
5675 }
5676 %%
5677 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
5678 % class.)
5679 \bidi@AfterEndPreamble{%
5680 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
5681 {\renewcommand{\maketitle}{\maketitlepage}}
5682 {}
5683 }
5684 %%
5685 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5686 % without headers and footers
5687 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5688 \hbox{}
5689 \vspace*{\fill}
5690 \begin{center}
5691 % This page intentionally contains only this sentence.
5692 \end{center}
5693 \vspace{\fill}
5694 \thispagestyle{empty}
5695 \newpage
5696 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

27 File bidentufte-handout.cls

```

5697 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5698 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
5699 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5700 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5701 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5702 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5703 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5704 \ProcessOptions\relax
5705 \LoadClass{article}
5706 \RequirePackage{bidentuftefloat}
5707 \RequirePackage{bidentuftesidenote}
5708 \RequirePackage{bidentuftetoc}
5709 \RequirePackage{bidentuftegeneralstructure}
5710 \RequirePackage{bidentuftehyperref}
5711 \RequirePackage{bidentuftetitle}
5712 \renewenvironment{abstract}
5713 {\begin{quotation}}
5714 {\end{quotation}}
5715 \AtBeginDocument{%
5716 \IfFileExists{bidentufte-handout.cfg}
5717 {\input{bidentufte-handout.cfg}}
5718 \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}
5719 {}%
5720 }

```



28 File bidentufte-book.cls

```
5721 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5722 \ProvidesClass{bidentufte-book}[2011/06/18 v0.1 bidentufte-book class]
5723 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5724 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
5725 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
5726 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
5727 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
5728 \ProcessOptions\relax
5729 \LoadClass{book}
5730 \RequirePackage{bidentuftefloat}
5731 \RequirePackage{bidentuftesidenote}
5732 \RequirePackage{bidentuftetoc}
5733 \RequirePackage{bidentuftegeneralstructure}
5734 \RequirePackage{bidentuftehyperref}
5735 \RequirePackage{bidentuftetitle}
5736 %%
5737 % Set up any book-specific stuff now
5738 %%
5739 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5740 % to the opening page of Chapter 1. The running heads, when they appear,
5741 % contain only the (arabic) page number in the outside corner.
5742 %\newif\if@mainmatter \@mainmattertrue
5743 \renewcommand\frontmatter{%
5744   \cleardoublepage%
5745   \@mainmatterfalse%
5746   \pagenumbering{arabic}%
5747   %\pagestyle{plain}%
5748   \fancyhf{}%
5749   \ifthenelse{\boolean{@bidentuftefloat@twoside}}{%
5750     {\fancyhead[LE,RO]{\thepage}}%
5751     {\fancyhead[RE,RO]{\thepage}}%
5752   }
5753 %%
5754 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5755 % numbering---it continues where it left off in the front matter.
5756 \renewcommand\mainmatter{%
5757   \cleardoublepage%
5758   \@mainmattertrue%
5759   \fancyhf{}%
5760   \ifthenelse{\boolean{@bidentuftefloat@twoside}}{%
5761     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
5762     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5763     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5764     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5765   }
5766 %%
5767 % The back matter contains appendices, indices, glossaries, endnotes,
5768 % bibliographies, list of contributors, illustration credits, etc.
```



```

5769 \renewcommand\backmatter{%
5770   \if@openright%
5771     \cleardoublepage%
5772   \else%
5773     \clearpage%
5774   \fi%
5775   \@mainmatterfalse%
5776 }
5777 %%
5778 % Only show the chapter titles in the table of contents
5779 \setcounter{tocdepth}{0}
5780 \AtBeginDocument{%
5781   \IfFileExists{biditufte-book.cfg}
5782     {\input{biditufte-book.cfg}}
5783     \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5784 {}%
5785 }

```

29 File bidipoem.sty

```

5786 \NeedsTeXFormat{LaTeX2e}
5787 \ProvidesPackage{bidipoem}%
5788 [2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5789
5790 % Usage:
5791 %
5792 % \Setversedim #1#2 % define the layout (within a group):
5793 % #1 = length of both half-verses
5794 % #2 = separation distance = length of a connection, if present
5795 % Variant:
5796 % \Setversedim #1[#2]#3 % for half-verses of unequal length
5797 % #1 = length of first (=right) half-verse
5798 % #2 = length of second (=left) half-verse
5799 % #3 = separation distance = length of a connection, if present
5800 %
5801 % \traditionalhalfverses #1#2 % typeset two separated half-verses
5802 % #1 = text of first (=right) half-verse
5803 % #2 = text of second (=left) half-verse
5804 % Variant:
5805 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5806 % #1 = text of first (=right) half-verse
5807 % #2 = text of connection
5808 % #3 = text of second (=left) half-verse
5809 %
5810 % Alternative (if preferred):
5811 %
5812 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5813
5814
5815 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}

```



```

5816
5817% define the layout, verses will be centered
5818
5819\newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5820\newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5821
5822\newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5823\bidipoem@hvind \textwidth
5824\bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
5825\ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5826\bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
5827
5828\def \bidipoem@set@verseI [#1]{% optional parameter
5829\bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5830
5831\newcommand*{\bidipoem@set@@verse}[1]{% separation
5832\advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5833\advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5834
5835\newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5836\ifdim Opt > \bidipoem@hvind %
5837\bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
5838\else
5839\noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5840\bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5841\bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
5842\par }
5843
5844% macro for two half verses
5845\newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5846\ifx [#2\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
5847\else\def\bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5848\bidipoem@half@verses@next}
5849
5850\def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5851\traditionalconnverses {#1}{#2}{#3}}
5852
5853
5854{\catcode\^M=\active % these lines must end with %
5855\gdef\traditionalpoem@obeylines{\catcode\^M\active \let\^M\traditionalpoem@par}%
5856\global\let\^M\traditionalpoem@par} % this is in case ^M appears in a \write
5857{\catcode\^M=\active % these lines must end with %
5858\gdef\modernpoem@obeylines{\catcode\^M\active \let\^M\modernpoem@par}%
5859\global\let\^M\modernpoem@par} % this is in case ^M appears in a \write
5860\def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
5861\def\poemmarginskip{1em plus 1fil minus 1em}
5862\def\poemextrabaselineskip{0\baselineskip}
5863\def\poemskip{\medskip}
5864\newcommand{\bidipoem@openbox}{\leavevmode
5865\hbox to.77778em{

```



```

5866 \hfil\vrule
5867 \vbox to.675em{\hrule width.6em\vfil\hrule}%
5868 \vrule\hfil}}
5869 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
5870 \newdimen\versewidth
5871 \newtoks\bidipoem@p@ftn
5872 \def\poem@verse#1{%
5873 \ifdim\wd#1>\new@poem@width
5874 \xdef\new@poem@width{\the\wd#1}%
5875 \ifdim\new@poem@width>\poem@width
5876 \xdef\poem@width{\new@poem@width}%
5877 \global\let\poem@needrun\relax
5878 \fi
5879 \fi
5880 \hbox to\poem@width{\unhbox#1}%
5881 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5882 }
5883 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmargin\skip\relax}
5884 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
5885 \def\poem@lineversesep{%
5886 \nobreak
5887 \hskip\z@ plus 1filll%
5888 \penalty600%
5889 \hskip\poemcolsepskip
5890 \hskip\z@ plus -2filll%
5891 \vadjust{}}%
5892 \nobreak
5893 \hskip\z@ plus 1filll%
5894 }
5895 \def\poem@lineparsebegin{%
5896 \halign\bgroup
5897 \global\setbox\verse@i=\hbox{%
5898 \let\@footnotetext\bidipoem@p@ftntext%
5899 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5900 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5901 \let\@xfootnotenext\bidipoem@p@xftntext%
5902 \let\@xfootnote\bidipoem@p@xfootnote%
5903 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5904 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5905 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5906 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5907 \ignorespaces##\unskip}&&
5908 \global\setbox\verse@ii=\hbox{%
5909 \let\@footnotetext\bidipoem@p@ftntext%
5910 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5911 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5912 \let\@xfootnotenext\bidipoem@p@xftntext%
5913 \let\@xfootnote\bidipoem@p@xfootnote%
5914 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5915 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%

```



```

5916 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5917 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5918 \ignorespaces##\unskip}
5919 \cr
5920 }
5921 \def\poem@lineparseend{%
5922 \crcr\egroup
5923 \vskip-\baselineskip
5924 }
5925 \def\traditionalpoem@cr{%
5926 \cr\poem@line
5927 }
5928 \newbox\verse@i
5929 \newbox\verse@ii
5930 \newif\ifpoem@started
5931
5932 \def\poem@line{%
5933 \poem@lineparseend
5934 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5935 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5936 \ifpoem@started
5937 \ifdim\wd\verse@ii>\z@\else
5938 \nopagebreak[3]
5939 \fi
5940 \leavevmode
5941 \poem@linebegin
5942 \poem@verse\verse@i
5943 \ifdim\wd\verse@ii>\z@
5944 \poem@lineversesep
5945 \poem@verse\verse@ii
5946 \fi
5947 \poem@lineend
5948 % \nopagebreak
5949 \par
5950 \vskip\poemextrabaseskip
5951 \fi
5952 \poem@lineparsebegin
5953 }
5954 \def\@traditionalpoem{%
5955 \stepcounter{poem@no}
5956 \ifnum\max@poem@no<\number\c@poem@no%
5957 \xdef\poem@width{\z@}%
5958 \else
5959 \xdef\poem@width{\poem@prop{poem@width}}%
5960 \fi
5961 \xdef\new@poem@width{\z@}%
5962 \global\versewidth=\poem@width
5963 \poemskip\par
5964 \begingroup
5965 \tabskip=\z@

```



```

5966 \parskip=\z@
5967 \parindent=\z@
5968 \parfillskip=\z@
5969 \rightskip=\z@
5970 \leftskip=\z@
5971 \widowpenalty=10000% No break between verses of the same line.
5972 \clubpenalty=10000% Same as above. Not really needed.
5973 \def\newblock{\hfil\poemblocksep\hfil\null}%
5974 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
5975 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
5976 \global\poem@startedfalse
5977 \csname poem@obeylines\endcsname
5978 \let\poem@obeylines\relax
5979 \poem@lineparsebegin
5980 }
5981 \def\@endtraditionalpoem{%
5982 \cr
5983 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
5984 \noalign{%
5985 \skip0=\poemextrabaseskip
5986 \vskip-\skip0
5987 \vskip-\baselineskip
5988 }%
5989 \fi\fi
5990 \poem@lineparseend
5991 \endgroup
5992 \par
5993 \vskip\baselineskip
5994 \poemskip
5995 \if@nparlist \else
5996 \ifdim\lastskip >\z@
5997 \@tempskipa\lastskip \vskip -\lastskip
5998 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
5999 \vskip\@tempskipa
6000 \fi
6001 \@endparenv
6002 \fi
6003 \ifdim\new@poem@width<\poem@width
6004 \global\let\poem@needrun\relax
6005 \fi
6006 \poem@write@aux{\poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
6007 \ifx\AtEndDocument\undefined\poem@finish\fi
6008 }
6009
6010
6011 \long\def\bidipoem@p@ftntext#1{%
6012 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
6013 \global\bidipoem@p@ftn\expandafter{\@temp{x{#1}}}%
6014 \long\def\bidipoem@p@LTRftntext#1{%
6015 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%

```



```

6016 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6017 \long\def\bidipoem@p@RTLftntext#1{%
6018 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}
6019 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6020
6021 \long\def\bidipoem@p@xftntext[#1]#2{%
6022 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
6023
6024 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
6025 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
6026
6027 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6028 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
6029
6030 \def\bidipoem@p@xfootnote[#1]{%
6031 \begingroup
6032 \csname c@\@mpfn\endcsname #1\relax
6033 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6034 \endgroup
6035 \@footnotemark\bidipoem@p@xftntext[#1]}
6036
6037 \def\bidipoem@p@xLTRfootnote[#1]{%
6038 \begingroup
6039 \csname c@\@mpfn\endcsname #1\relax
6040 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6041 \endgroup
6042 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6043
6044 \def\bidipoem@p@xRTLfootnote[#1]{%
6045 \begingroup
6046 \csname c@\@mpfn\endcsname #1\relax
6047 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6048 \endgroup
6049 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6050
6051
6052
6053 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6054 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
6055 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6056 \def\poem@finish{%
6057 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6058 \ifx\poem@needrun\relax
6059 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
6060 \global\let\poem@needrun\undefined
6061 \fi
6062 }
6063 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6064 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6065 \ifx\max@poem@no\undefined

```



```

6066         \def\max@poem@no{0}%
6067 \fi
6068 \newcommand{\poem@prop}[1]{\@nameuse{#1@romannumeral@c@poem@no}}
6069 \newcommand{\poem@write@aux}[2]{%
6070     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6071     \@x
6072 }
6073 \def\@modernpoem{%
6074 \par
6075 \begingroup
6076 \parskip=\z@
6077 \parindent=\z@
6078 \def\[{ \settab\@tabplus\ignorespaces}%
6079 \def\] { \tabminus\ignorespaces}%
6080 \def\newblock{\poemblocksep}%
6081 \let\newpoem@tabcr\@tabcr
6082 \def\modernpoem@par{% Redefine \par for possible \obeylines
6083     \ifpoem@started\else
6084         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6085             \@stopfield
6086             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6087             \@contfield
6088         \fi
6089     \fi
6090     \ifpoem@started\newpoem@tabcr\fi}%
6091 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6092 \global\poem@startedfalse
6093 \csname poem@obeylines\endcsname
6094 \let\poem@obeylines\relax
6095 \begin{tabbing}%
6096 }
6097 \def\@endmodernpoem{%
6098 \global\poem@startedfalse
6099 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6100     \@stopfield
6101     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6102     \@contfield
6103 \fi
6104 \ifpoem@started\else\let\@stopline\@stopfield\fi
6105 \end{tabbing}%
6106 \endgroup
6107 \par
6108 \if@nparlist \else
6109     \ifdim\lastskip >\z@
6110         \@tempskipa\lastskip \vskip -\lastskip
6111         \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6112         \vskip\@tempskipa
6113     \fi
6114     \@endparenv
6115 \fi

```




```

6116 }
6117 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6118 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem}
6119 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6120 \gdef\@startfield{%
6121 \global\setbox\@curfield\hbox\bgroup%
6122 \let\@footnotetext\bidipoem@p@ftntext%
6123 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6124 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6125 \let\@xfootnotenext\bidipoem@p@xftntext%
6126 \let\@xfootnote\bidipoem@p@xfootnote%
6127 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6128 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6129 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6130 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6131 \color@begingroup}
6132 \gdef\@stopfield{%
6133 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6134 \gdef\@contfield{%
6135 \global\setbox\@curfield\hbox\bgroup%
6136 \let\@footnotetext\bidipoem@p@ftntext%
6137 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6138 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6139 \let\@xfootnotenext\bidipoem@p@xftntext%
6140 \let\@xfootnote\bidipoem@p@xfootnote%
6141 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6142 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6143 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6144 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6145 \color@begingroup\unhbox\@curfield}

```

30 File boek3-xetex-bidi.def

```

6146 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6147 \renewenvironment{theindex}{%
6148 \if@twocolumn
6149 \@restonecolfalse
6150 \else
6151 \@restonecoltrue
6152 \fi
6153 \columnseprule \z@
6154 \columnsep 35\p@
6155 \twocolumn[\@makeschapterhead{\indexname}]{%
6156 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
6157 \thispagestyle{plain}\parindent\z@
6158 \parskip\z@ \@plus .3\p@\relax
6159 \let\item\@idxitem
6160 }{%
6161 \if@restonecol\onecolumn\else\clearpage\fi}
6162 \renewcommand*{head@style}{%

```



```

6163 \interlinepenalty \@M
6164 \hyphenpenalty=\@M \exhyphenpenalty=\@M
6165 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6166 \renewcommand*\@regtocline[3]{%
6167 \ifnum #1>\c@tocdepth
6168 \else
6169 \vskip\z@ \@plus.2\p@
6170 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
6171 \if@RTL\rightskip\else\leftskip\fi\unitindent
6172 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
6173 \parfillskip\z@
6174 \@tempdima\unitindent
6175 \parindent\z@
6176 \leavevmode
6177 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6178 \hskip 1em \nobreak{\slshape #3}\par
6179 }%
6180 \fi}
6181 \if@oldtoc
6182 \renewcommand*\l@part[2]{%
6183 \ifnum \c@tocdepth >-2\relax
6184 \addpenalty{-\@highpenalty}%
6185 \addvspace{2.25em \@plus\p@}%
6186 \begingroup
6187 \setlength\@tempdima{3em}%
6188 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6189 \parfillskip -\@pnumwidth
6190 {\leavevmode
6191 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6192 \nobreak
6193 \global\@nobreaktrue
6194 \everypar{\global\@nobreakfalse\everypar{}}}%
6195 \endgroup
6196 \fi}
6197 \else
6198 \renewcommand*\l@part{%
6199 \ifnum \c@tocdepth >-2\relax
6200 \addpenalty{-\@highpenalty}%
6201 \addvspace{2.25em \@plus \p@}%
6202 \@regtocline{0}%
6203 \fi}
6204 \fi
6205 \if@oldtoc
6206 \renewcommand*\l@chapter[2]{%
6207 \addpenalty{-\@highpenalty}%
6208 \vskip 1.0em \@plus\p@
6209 \setlength\@tempdima{1.5em}%
6210 \begingroup
6211 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6212 \parfillskip -\@pnumwidth

```



```

6213 \leavevmode \bfseries
6214 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6215 \hskip -\if@RTL\rightskip\else\leftskip\fi
6216 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6217 \penalty\@highpenalty
6218 \endgroup}
6219 \else
6220 \renewcommand*\l@chapter{\@regtocline{0}}
6221 \fi
6222 \renewenvironment{abstract}{%
6223 \titlepage
6224 \null\vfil
6225 \section*{\SectFont \abstractname}
6226 \noindent\ignorespaces}
6227 {\par\vfil\null\endtitlepage}
6228 \renewenvironment{thebibliography}[1]
6229 {\chapter*{\bibname}%
6230 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6231 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6232 \bidi@thebibliography@font@hook%
6233 \list{\@biblabel{\@arabic\c@enumiv}}%
6234 {\settowidth\labelwidth{\@biblabel{#1}}%
6235 \leftmargin\labelwidth
6236 \advance\leftmargin\labelsep
6237 \openbib@code
6238 \usecounter{enumiv}%
6239 \let\p@enumiv\@empty
6240 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6241 \sloppy\clubpenalty4000\widowpenalty4000%
6242 \sfcode`.\@m}
6243 {\def\@noitemerr
6244 {\@latex@warning{Empty `thebibliography' environment}}%
6245 \endlist}
6246 \renewcommand*\left@footnoterule{%
6247 \kern-3\p@
6248 \kern.5\baselineskip
6249 \hrule\@width\unitindent
6250 \kern.4\baselineskip
6251 }
6252 \renewcommand*\right@footnoterule{%
6253 \kern-3\p@
6254 \kern.5\baselineskip
6255 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6256 \kern.4\baselineskip}
6257 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6258 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6259 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6260 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6261 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6262 \renewcommand*\theequation{%

```



```

6263 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6264 \renewcommand*\thefigure{%
6265 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6266 \renewcommand*\thetable{%
6267 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6268 \renewcommand*\maketitle{%
6269 \begin{titlepage}%
6270 \let\footnotesize\small
6271 \let\rightfootnoterule\relax
6272 \let\leftfootnoterule\relax
6273 \let\textwidth\footnoterule\relax
6274 \let \footnote \thanks
6275 \long\def\@makefnmark##1{\parindent\z@
6276 \def\labelitemi{\textendash}\@revlabeltrue
6277 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6278 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6279 \if@compatibility\setcounter{page}{0}\fi
6280 \null\vfil
6281 \vskip 60\p@
6282 \begin{center}%
6283 \TitleFont
6284 {\LARGE \def\\{\penalty -\@M}
6285 \if@allcaps
6286 \expandafter\uc@nothanks\@title\thanks\relax
6287 \else
6288 \@title
6289 \fi\par}%
6290 \vskip 3em%
6291 {\large
6292 \lineskip .75em \parindent\z@
6293 \begin{tabular}[t]{c}%
6294 \if@allcaps
6295 \expandafter\uc@author\@author\and\relax
6296 \else
6297 \@author
6298 \fi
6299 \end{tabular}\par}%
6300 \vskip 1.5em%
6301 {\large
6302 \if@allcaps
6303 \uppercase\expandafter{\@date}%
6304 \else
6305 \@date
6306 \fi\par}%
6307 \end{center}\par
6308 \@thanks
6309 \vfil\null
6310 \end{titlepage}%
6311 \setcounter{footnote}{0}%
6312 \global\let\thanks\relax

```



```

6313 \global\let\maketitle\relax
6314 \global\let\@thanks\@empty
6315 \global\let\@author\@empty
6316 \global\let\@title\@empty
6317 \global\let\@date\@empty
6318 \global\let\title\relax
6319 \global\let\author\relax
6320 \global\let\date\relax
6321 \global\let\and\relax
6322 }

```

31 File boek-xetex-bidi.def

```

6323 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX e
6324 \renewenvironment{theindex}{%
6325   \if@twocolumn
6326     \@restonecolfalse
6327   \else
6328     \@restonecoltrue
6329   \fi
6330   \columnseprule \z@
6331   \columnsep 35\p@
6332   \twocolumn[\@makeschapterhead{\indexname}]%
6333   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6334   \thispagestyle{plain}\parindent\z@
6335   \parskip\z@ \@plus .3\p@\relax
6336   \let\item\@idxitem
6337 }{%
6338   \if@restonecol\onecolumn\else\clearpage\fi}
6339 \renewcommand*\head@style{%
6340   \interlinepenalty \@M
6341   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6342   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6343 \renewcommand*\@regtocline[3]{%
6344   \ifnum #1>\c@tocdepth
6345   \else
6346     \vskip\z@ \@plus .2\p@
6347     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6348       \if@RTL\rightskip\else\leftskip\fi\unitindent
6349       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6350       \parfillskip\z@
6351       \@tempdima\unitindent
6352       \parindent\z@
6353       \leavevmode
6354       \hbox{\hspace -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6355         \hspace 1em \nobreak{\slshape #3}\par
6356     }%
6357   \fi}
6358 \if@oldtoc
6359 \renewcommand*\l@part[2]{%

```



```

6360 \ifnum \c@tocdepth >-2\relax
6361 \addpenalty{-\@highpenalty}%
6362 \addvspace{2.25em \@plus\p@}%
6363 \begingroup
6364 \setlength\@tempdima{3em}%
6365 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6366 \parfillskip -\@pnumwidth
6367 {\leavevmode
6368 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6369 \nobreak
6370 \global\@nobreaktrue
6371 \everypar{\global\@nobreakfalse\everypar{}}%
6372 \endgroup
6373 \fi}
6374 \else
6375 \renewcommand*\l@part{%
6376 \ifnum \c@tocdepth >-2\relax
6377 \addpenalty{-\@highpenalty}%
6378 \addvspace{2.25em \@plus\p@}%
6379 \@regtocline{0}%
6380 \fi}
6381 \fi
6382 \if@oldtoc
6383 \renewcommand*\l@chapter[2]{%
6384 \addpenalty{-\@highpenalty}%
6385 \vskip 1.0em \@plus\p@
6386 \setlength\@tempdima{1.5em}%
6387 \begingroup
6388 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6389 \parfillskip -\@pnumwidth
6390 \leavevmode \bfseries
6391 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6392 \hskip -\if@RTL\rightskip\else\leftskip\fi
6393 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6394 \penalty\@highpenalty
6395 \endgroup}
6396 \else
6397 \renewcommand*\l@chapter{\@regtocline{0}}
6398 \fi
6399 \renewcommand*\left@footnoterule{%
6400 \kern-3\p@
6401 \kern.5\baselineskip
6402 \hrule\@width\unitindent
6403 \kern.4\baselineskip
6404 }
6405 \renewcommand*\right@footnoterule{%
6406 \kern-3\p@
6407 \kern.5\baselineskip
6408 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6409 \kern.4\baselineskip}

```



```

6410 \renewenvironment{abstract}{%
6411     \titlepage
6412     \null\vfil
6413     \section*{\SectFont \abstractname}
6414     \noindent\ignorespaces}
6415 { \par\vfil\null\endtitlepage}
6416 \renewenvironment{thebibliography}[1]
6417 { \chapter*{\bibname}%
6418     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6419     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6420     \bidi@thebibliography@font@hook%
6421     \list{\@biblabel{\@arabic\c@enumiv}}%
6422         { \settowidth\labelwidth{\@biblabel{#1}}%
6423           \leftmargin\labelwidth
6424           \advance\leftmargin\labelsep
6425           \openbib@code
6426           \usecounter{enumiv}%
6427           \let\p@enumiv\@empty
6428           \renewcommand*{theenumiv}{\@arabic\c@enumiv}}%
6429     \sloppy\clubpenalty4000\widowpenalty4000%
6430     \sfcode`. \m}
6431 { \def\@noitemerr
6432     { \latex@warning{Empty `thebibliography' environment}}%
6433     \endlist}
6434 \renewcommand*{thesection}{\thechapter\@SepMark\@arabic\c@section}
6435 \renewcommand*{thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
6436 \renewcommand*{thesubsubsection}{\thesubsection\@SepMark\@arabic\c@subsubsection}
6437 \renewcommand*{theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6438 \renewcommand*{thesubparagraph}{\theparagraph\@SepMark\@arabic\c@subparagraph}
6439 \renewcommand*{theequation}{%
6440     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6441 \renewcommand*{thefigure}{%
6442     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6443 \renewcommand*{thetable}{%
6444     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6445 \renewcommand*{maketitle}{%
6446     \begin{titlepage}%
6447         \let\footnotesize\small
6448         \let\right@footnoterule\relax
6449         \let\left@footnoterule\relax
6450         \let\textwidth\footnoterule\relax
6451         \let \footnote \thanks
6452         \long\def\@makefnmark{\parindent\z@
6453             \def\labelitemi{\textendash}\@revlabeltrue
6454             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6455         \renewcommand*{thefootnote}{\@fnsymbol\c@footnote}%
6456         \if@compatibility\setcounter{page}{0}\fi
6457         \null\vfil
6458         \vskip 60\p@
6459         \begin{center}%

```



```

6460 \TitleFont
6461 {\LARGE \def\\{\penalty -\@M}
6462 \if@allcaps
6463 \expandafter\uc@nothanks\@title\thanks\relax
6464 \else
6465 \@title
6466 \fi\par}%
6467 \vskip 3em%
6468 {\large
6469 \lineskip .75em \parindent\z@
6470 \begin{tabular}[t]{c}%
6471 \if@allcaps
6472 \expandafter\uc@authornothanks\@author\and\relax
6473 \else
6474 \@author
6475 \fi
6476 \end{tabular}\par}%
6477 \vskip 1.5em%
6478 {\large
6479 \if@allcaps
6480 \uppercase\expandafter{\@date}%
6481 \else
6482 \@date
6483 \fi\par}%
6484 \end{center}\par
6485 \@thanks
6486 \vfil\null
6487 \end{titlepage}%
6488 \setcounter{footnote}{0}%
6489 \global\let\thanks\relax
6490 \global\let\maketitle\relax
6491 \global\let\@thanks\@empty
6492 \global\let\@author\@empty
6493 \global\let\@title\@empty
6494 \global\let\@date\@empty
6495 \global\let\title\relax
6496 \global\let\author\relax
6497 \global\let\date\relax
6498 \global\let\and\relax
6499 }

```

32 File bookest-xetex-bidi.def

```

6500 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6501 \def\@makechapterhead#1{%
6502 \vspace*{20\p@}
6503 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6504 \ifnum \c@secnumdepth >\m@ne
6505 \if@mainmatter
6506 {\colorA\huge\scshape \@chapapp\space \thechapter}

```




```

6507         \par\nobreak
6508         \vskip 10\p@
6509     \fi
6510 \fi
6511 \interlinepenalty\@M
6512 {\colorB\hrule}
6513 \vskip 15\p@
6514 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6515     {\colorA\Huge \bfseries #1}\par\nobreak
6516 \if@RTL\end{flushleft}\else\end{flushright}\fi
6517 \vskip 5\p@
6518 {\colorB\hrule}
6519 \vskip 30\p@
6520 }}
6521 \def\@makeschapterhead#1{%
6522     \vspace*{20\p@}
6523     {\parindent \z@ \raggedright \normalfont
6524     {\colorB\hrule}
6525     \vskip 15\p@
6526     \begin{center}
6527         {\colorA\Huge \bfseries #1}\par\nobreak
6528     \end{center}
6529     \vskip 5\p@
6530     {\colorB\hrule}
6531     \vskip 30\p@
6532     }}

```

33 File book-xetex-bidi.def

```

6533 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6534 \renewenvironment{theindex}
6535     {\if@twocolumn
6536         \@restonecolfalse
6537     \else
6538         \@restonecoltrue
6539     \fi
6540     \columnseprule \z@
6541     \columnsep 35\p@
6542     \twocolumn[\@makeschapterhead{\indexname}]%
6543     \@mkboth{\MakeUppercase\indexname}%
6544             {\MakeUppercase\indexname}%
6545     \thispagestyle{plain}\parindent\z@
6546     \parskip\z@ \@plus .3\p@\relax
6547     \let\item\@idxitem}
6548     {\if@restonecol\onecolumn\else\clearpage\fi}
6549 \@ifclassloaded{bookest}{-}{%
6550     \if@titlepage
6551     \renewcommand\maketitle{\begin{titlepage}%
6552     \let\footnotesize\small
6553     \let\right@footnoterule\relax

```



```

6554 \let\left@footnoterule\relax
6555 \let\textwidth@footnoterule\relax
6556 \let \footnote \thanks
6557 \let \LTRfootnote \LTRthanks
6558 \let \RTLfootnote \RTLthanks
6559 \null\vfil
6560 \vskip 60\p@
6561 \begin{center}%
6562   {\LARGE \@title \par}%
6563   \vskip 3em%
6564   {\large
6565     \lineskip .75em%
6566     \begin{tabular}[t]{c}%
6567       \@author
6568     \end{tabular}\par}%
6569     \vskip 1.5em%
6570     {\large \@date \par}%           % Set date in \large size.
6571 \end{center}\par
6572 \@thanks
6573 \vfil\null
6574 \end{titlepage}%
6575 \setcounter{footnote}{0}%
6576 \global\let\thanks\relax
6577 \global\let\LTRthanks\relax
6578 \global\let\RTLthanks\relax
6579 \global\let\maketitle\relax
6580 \global\let\@thanks\@empty
6581 \global\let\@author\@empty
6582 \global\let\@date\@empty
6583 \global\let\@title\@empty
6584 \global\let\title\relax
6585 \global\let\author\relax
6586 \global\let\date\relax
6587 \global\let\and\relax
6588 }
6589 \else
6590 \renewcommand\maketitle{\par
6591   \begingroup
6592     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6593     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6594     \long\def\@makefntext##1{\parindent 1em\noindent
6595       \hb@xt@1.8em{%
6596         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6597     \if@twocolumn
6598       \ifnum \col@number=\@ne
6599         \@maketitle
6600       \else
6601         \twocolumn[\@maketitle]%
6602       \fi
6603     \else

```



```

6604     \newpage
6605     \global\@topnum\z@    % Prevents figures from going at top of page.
6606     \@maketitle
6607     \fi
6608     \thispagestyle{plain}\@thanks
6609 \endgroup
6610 \setcounter{footnote}{0}%
6611 \global\let\thanks\relax
6612 \global\let\LTRthanks\relax
6613 \global\let\RTLthanks\relax
6614 \global\let\maketitle\relax
6615 \global\let\@maketitle\relax
6616 \global\let\@thanks\@empty
6617 \global\let\@author\@empty
6618 \global\let\@date\@empty
6619 \global\let\@title\@empty
6620 \global\let\title\relax
6621 \global\let\author\relax
6622 \global\let\date\relax
6623 \global\let\and\relax
6624 }
6625 \def\@maketitle{%
6626   \newpage
6627   \null
6628   \vskip 2em%
6629   \begin{center}%
6630     \let \footnote \thanks
6631     \let \LTRfootnote \LTRthanks
6632     \let \RTLfootnote \RTLthanks
6633     {\LARGE \@title \par}%
6634     \vskip 1.5em%
6635     {\large
6636       \lineskip .5em%
6637       \begin{tabular}[t]{c}%
6638         \@author
6639       \end{tabular}\par}%
6640     \vskip 1em%
6641     {\large \@date}%
6642   \end{center}%
6643   \par
6644   \vskip 1.5em}
6645 \fi}
6646 \renewcommand*\l@part[2]{%
6647   \ifnum \c@tocdepth >-2\relax
6648     \addpenalty{-\@highpenalty}%
6649     \addvspace{2.25em \@plus\p@}%
6650     \setlength\@tempdima{3em}%
6651     \begin{group
6652       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6653       \parfillskip -\@pnumwidth

```



```

6654      {\leavevmode
6655       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6656       \nobreak
6657       \global\@nobreaktrue
6658       \everypar{\global\@nobreakfalse\everypar{}}%
6659     \endgroup
6660   \fi}
6661 \renewcommand*\l@chapter[2]{%
6662   \ifnum \c@tocdepth >\m@ne
6663     \addpenalty{-\@highpenalty}%
6664     \vskip 1.0em \@plus\p@
6665     \setlength\@tempdima{1.5em}%
6666     \begingroup
6667       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6668       \parfillskip -\@pnumwidth
6669       \leavevmode \bfseries
6670       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6671       \hskip -\if@RTL\rightskip\else\leftskip\fi
6672       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6673       \penalty\@highpenalty
6674     \endgroup
6675   \fi}
6676 \renewcommand\left@footnoterule{%
6677   \kern-3\p@
6678   \hrule\@width.4\columnwidth
6679   \kern2.6\p@}
6680 \renewcommand\right@footnoterule{%
6681   \kern-3\p@
6682   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6683   \kern2.6\p@}
6684 \renewcommand\theequation
6685   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6686 \renewcommand \thefigure
6687   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6688 \renewcommand \thetable
6689   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6690 \renewcommand \thechapter {\@arabic\c@chapter}
6691 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6692 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6693 \renewcommand \thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6694 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6695 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6696 \def\@makechapterhead#1{%
6697   \vspace*{50\p@}%
6698   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6699     \ifnum \c@secnumdepth >\m@ne
6700       \if@mainmatter
6701         \huge\bfseries \@chapapp\space \thechapter
6702         \par\nobreak
6703         \vskip 20\p@

```



```

6704     \fi
6705     \fi
6706     \interlinepenalty\@M
6707     \Huge \bfseries #1\par\nobreak
6708     \vskip 40\p@
6709   }}
6710 \def\@makeschapterhead#1{%
6711   \vspace*{50\p@}%
6712   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6713     \normalfont
6714     \interlinepenalty\@M
6715     \Huge \bfseries #1\par\nobreak
6716     \vskip 40\p@
6717   }}
6718 \renewcommand\backmatter{%
6719   \if@openright
6720     \cleardoublepage
6721   \else
6722     \clearpage
6723   \fi
6724   \@mainmatterfalse}
6725 \renewenvironment{thebibliography}[1]
6726   {\chapter*{\bibname}%
6727     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6728     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6729     \bidi@thebibliography@font@hook%
6730     \list{\@biblabel{\@arabic{c@enumiv}}}%
6731       {\settowidth\labelwidth{\@biblabel{#1}}%
6732         \leftmargin\labelwidth
6733         \advance\leftmargin\labelsep
6734         \@openbib@code
6735         \usecounter{enumiv}%
6736         \let\p@enumiv\@empty
6737         \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
6738     \sloppy
6739     \clubpenalty4000
6740     \@clubpenalty \clubpenalty
6741     \widowpenalty4000%
6742     \sfcode`.\@m}
6743   {\def\@noitemerr
6744     {\@latex@warning{Empty `thebibliography' environment}}%
6745     \endlist}

```

34 File breqn-xetex-bidi.def

```

6746 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for Xe
6747 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6748   \everydisplay\expandafter{\the\everydisplay \display@setup}%
6749   \if@noskipsec \leavevmode \fi
6750   \if@inlabel \leavevmode \global\@inlabelfalse \fi

```



```

6751 \if\eq@group\else\eq@prelim\fi
6752 \setkeys{breqn}{#1}%
6753 \the\eqstyle
6754 \eq@setnumber
6755 \begingroup
6756 \eq@setup@a
6757 \eq@startup
6758 }
6759 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
6760 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6761 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6762 \global\let\GRP@label\@empty
6763 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6764 \global\grp@linewidth\z@\global\grp@wdNum\z@
6765 \global\let\grp@eqs@numbered\@False
6766 \global\let\grp@aligned\@True
6767 \global\let\grp@shiftnumber\@False
6768 \eq@prelim
6769 \setkeys{breqn}{#1}%
6770 \if\grp@hasNumber \grp@setnumber \fi
6771 }
6772 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6773 \let\display@setup\dseries@display@setup
6774 % Question: should this be the default for dseries???
6775 \global\eq@wdCond\z@
6776 \@dmath[layout={M},#1]%
6777 \mathsurround\z@\@math \penalty\@Mi
6778 \let\endmath\ends@math
6779 \def\premath{%
6780 \ifdim\lastskip<.3em \unskip
6781 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6782 }%
6783 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6784 \ignorespaces
6785 }
6786 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@italiccorr)\if@nonlatin\endR\fi}
6787 \renewenvironment{dsuspend}{%
6788 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
6789 \parshape 1 \displayindent \displaywidth\relax
6790 \hsize=\columnwidth \noindent\ignorespaces
6791 }{%
6792 \par\egroup
6793 \global\setbox\GRP@box\vbox{%
6794 \hbox{\copy\EQ@box\top{\unvbox\EQ@box}}%
6795 \unvbox\GRP@box
6796 }%
6797 \global\GRP@queue\@xp{\the\GRP@queue
6798 \@elt{\let\eq@isIntertext\@True}%
6799 }%
6800 }

```



35 File cals-xetex-bidi.def

```

6801 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
6802 \renewcommand\cals@setup@alignment[1]{%
6803 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
6804 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
6805 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
6806 }
6807 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
6808 \renewenvironment{calstable}[1][\cals@table@alignment]{%
6809 \if@RTLtab\cals@activate@rtl\fi
6810 \let\cals@thead@tokens=\relax
6811 \let\cals@tfoot@tokens=\relax
6812 \let\cals@tbreak@tokens=\relax
6813 \cals@tfoot@height=0pt \relax
6814 \let\cals@last@context=n%
6815 \let\cals@current@context=b%
6816 \parindent=0pt \relax%
6817 \cals@setup@alignment{#1}%
6818 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
6819 %% Alignment inside is independent on center/flushright outside
6820 \parfillskip=0pt plus1fil\relax
6821 \let\cals@borderL=\relax
6822 \let\cals@borderR=\relax
6823 \let\cals@borderT=\relax
6824 \let\cals@borderB=\relax
6825 \setbox\cals@backup@row=\box\voidb@x\relax
6826 \cals@AtBeginTable
6827 }{% End of the table
6828 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
6829 \renewcommand\alignL{%
6830 \if@RTLtab
6831 \cals@vfillAdd\cals@paddingL
6832 \else
6833 \cals@vfillDrop\cals@paddingL
6834 \fi
6835 \cals@vfillDrop\cals@paddingR}
6836 \renewcommand\alignR{%
6837 \if@RTLtab
6838 \cals@vfillDrop\cals@paddingL
6839 \else
6840 \cals@vfillAdd\cals@paddingL
6841 \fi
6842 \cals@vfillDrop\cals@paddingR}

```

36 File caption-xetex-bidi.def

```

6843 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for XeTeX]
6844 \let\@makecaption\caption@makecaption

```



37 File caption3-xetex-bidi.def

```
6845 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package]
6846 \renewcommand*\caption@par{%
6847   \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%
```

38 File colortbl-xetex-bidi.def

```
6848 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package]
6849 \def\CT@setup{%
6850   \@tempdimb\col@sep
6851   \@tempdimc\col@sep
6852   \def\CT@color{%
6853     \global\let\CT@do@color\CT@@do@color
6854     \bidicolor}}
6855 \def\@classz{\@classx
6856   \@tempcnta\count@
6857   \prepnext@tok
6858   \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6859   \@addtopreamble{\if@RTLtab\beginL\fi%
6860     \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6861     \ifcase \@chnum
6862       \hskip\stretch{.5}\kern\z@
6863       \d@llarbegin
6864       \insert@column
6865       \d@llarend\hskip\stretch{.5}\or
6866       \d@llarbegin \insert@column \d@llarend \hfill \or
6867       \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
6868     }\vcenter
6869     \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6870     \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6871     \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6872   \fi
6873   \if@RTLtab\endR\fi\egroup\egroup
6874   \begingroup
6875     \CT@setup
6876     \CT@column@color
6877     \CT@row@color
6878     \CT@cell@color
6879     \CT@do@color
6880   \endgroup
6881   \@tempdima\ht\z@
6882   \advance\@tempdima\minrowclearance
6883   \vrule\@height\@tempdima\@width\z@
6884   \unhbox\z@\if@RTLtab\endL\fi}%
6885   \prepnext@tok}
```

39 File color-xetex-bidi.def

```
6886 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe]
```




```

6887 \long\def\color@b@x#1#2#3{%
6888 \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6889 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6890 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6891 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6892 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}}%
6893 \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
6894 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
6895 \DeclareRobustCommand\color{%
6896 \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor}%
6897 \def\@declaredcolor#1{%
6898 \ifundefined{string\color @#1}%
6899 {\c@lor@error{`#1'}}%
6900 {\expandafter\let\expandafter\current@color
6901 \csname string\color @#1\endcsname
6902 \set@color}%
6903 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6904 \def\@undeclaredcolor[#1]#2{%
6905 \ifundefined{color@#1}%
6906 {\c@lor@error{model `#1'}}%
6907 {\csname color@#1\endcsname\current@color{#2}%
6908 \set@color}%
6909 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6910 \DeclareRobustCommand\bidicolor{%
6911 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
6912 \def\@bidiundeclaredcolor[#1]#2{%
6913 \ifundefined{color@#1}%
6914 {\c@lor@error{model `#1'}}%
6915 {\csname color@#1\endcsname\current@color{#2}%
6916 \set@color}%
6917 \ignorespaces}
6918 \def\@bidideclaredcolor#1{%
6919 \ifundefined{string\color @#1}%
6920 {\c@lor@error{`#1'}}%
6921 {\expandafter\let\expandafter\current@color
6922 \csname string\color @#1\endcsname
6923 \set@color}%
6924 \ignorespaces}
6925 \def\color@b@x#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6926 \def\color@fbbox#1#2#3{%
6927 \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}}
6928 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

40 File combine-xetex-bidi.def

```

6929 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for ]
6930 \renewcommand{\c@ll@chapsecii}[2]{%
6931 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6932 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6933 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par

```



```

6934 }
6935 \renewcommand{\c@ll@chapseci}{%
6936   \setlength\@tempdima{0em}%
6937   \begin{group}
6938     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6939     \parfillskip -\@pnumwidth
6940     \leavevmode
6941   }
6942 \renewenvironment{tocindent}[1]{%
6943   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

41 File crop-xetex-bidi.def

```

6944 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
6945 \renewcommand*{\CROP@ulc{%
6946   \if@RTLmain%
6947     \begin{picture}(0,0)
6948       \unitlength\p@\thinlines
6949       \put(-40,0){\circle{10}}
6950       \put(-30,-5){\line(0,1){10}}
6951       \put(-35,0){\line(1,0){30}}
6952       \put(-10,30){\circle{10}}
6953       \put(-5,30){\line(1,0){10}}
6954       \put(0,35){\line(0,-1){30}}
6955     \end{picture}%
6956   \else%
6957     \begin{picture}(0,0)
6958       \unitlength\p@\thinlines
6959       \put(-30,0){\circle{10}}
6960       \put(-30,-5){\line(0,1){10}}
6961       \put(-35,0){\line(1,0){30}}
6962       \put(0,30){\circle{10}}
6963       \put(-5,30){\line(1,0){10}}
6964       \put(0,35){\line(0,-1){30}}
6965     \end{picture}%
6966   \fi%
6967 }
6968 \renewcommand*{\CROP@urc{%
6969   \if@RTLmain%
6970     \begin{picture}(0,0)
6971       \unitlength\p@\thinlines
6972       \put(20,0){\circle{10}}
6973       \put(30,-5){\line(0,1){10}}
6974       \put(35,0){\line(-1,0){30}}
6975       \put(-10,30){\circle{10}}
6976       \put(-5,30){\line(1,0){10}}
6977       \put(0,35){\line(0,-1){30}}
6978     \end{picture}%
6979   \else%
6980     \begin{picture}(0,0)

```



```

6981         \unitlength\p@\thinlines
6982         \put(30,0){\circle{10}}
6983         \put(30,-5){\line(0,1){10}}
6984         \put(35,0){\line(-1,0){30}}
6985         \put(0,30){\circle{10}}
6986         \put(-5,30){\line(1,0){10}}
6987         \put(0,35){\line(0,-1){30}}
6988     \end{picture}%
6989     \fi%
6990 }
6991 \renewcommand*\CROP@llc{%
6992     \if@RTLmain%
6993         \begin{picture}(0,0)
6994             \unitlength\p@\thinlines
6995             \put(-40,0){\circle{10}}
6996             \put(-30,-5){\line(0,1){10}}
6997             \put(-35,0){\line(1,0){30}}
6998             \put(-10,-30){\circle{10}}
6999             \put(-5,-30){\line(1,0){10}}
7000             \put(0,-35){\line(0,1){30}}
7001         \end{picture}%
7002     \else%
7003         \begin{picture}(0,0)
7004             \unitlength\p@\thinlines
7005             \put(-30,0){\circle{10}}
7006             \put(-30,-5){\line(0,1){10}}
7007             \put(-35,0){\line(1,0){30}}
7008             \put(0,-30){\circle{10}}
7009             \put(-5,-30){\line(1,0){10}}
7010             \put(0,-35){\line(0,1){30}}
7011         \end{picture}%
7012     \fi%
7013 }
7014 \renewcommand*\CROP@llrc{%
7015     \if@RTLmain%
7016         \begin{picture}(0,0)
7017             \unitlength\p@\thinlines
7018             \put(20,0){\circle{10}}
7019             \put(30,-5){\line(0,1){10}}
7020             \put(35,0){\line(-1,0){30}}
7021             \put(-10,-30){\circle{10}}
7022             \put(-5,-30){\line(1,0){10}}
7023             \put(0,-35){\line(0,1){30}}
7024         \end{picture}%
7025     \else%
7026         \begin{picture}(0,0)
7027             \unitlength\p@\thinlines
7028             \put(30,0){\circle{10}}
7029             \put(30,-5){\line(0,1){10}}
7030             \put(35,0){\line(-1,0){30}}

```



```

7031      \put(0,-30){\circle{10}}
7032      \put(-5,-30){\line(1,0){10}}
7033      \put(0,-35){\line(0,1){30}}
7034      \end{picture}%
7035      \fi%
7036 }
7037 \@ifpackagewith{crop}{cam}{%
7038 \CROP@exectopt{cam}%
7039 }{}

```

42 File cutwin-xetex-bidi.def

```

7040 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for X
7041 \renewcommand*{\c@twcompctr}[2]{%
7042   \def\c@twfirst{1}
7043   \loop\advance\c@twwinlines\m@ne
7044   \setbox\c@twslicea=\vsplit#1 to\baselineskip
7045   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
7046   \c@twprune{\c@twslicea}{\c@twlftside}%
7047   \c@twprune{\c@twsliceb}{\c@twrtside}%
7048   \ifnum\c@twfirst=\@ne
7049     \setbox#2=\vbox{\unvbox#2\hbox
7050       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
7051     \else
7052       \setbox#2=\vbox{\unvbox#2\hbox
7053         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
7054     \fi
7055   \def\c@twfirst{2}
7056   \ifnum\c@twwinlines>\z@\repeat}
7057 \renewcommand*{\c@twcompoddctr}[2]{%
7058   \def\c@twrounds{1}
7059   \def\c@twfirst{1}
7060   \@for\c@twlspec:=\c@twb\do{%
7061     \ifnum\c@twrounds=1
7062       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7063       \c@twprune{\c@twslicea}{\c@twlspec}%
7064       \def\c@twrounds{2}
7065     \else
7066       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
7067       \c@twprune{\c@twsliceb}{\c@twlspec}%
7068       \ifnum\c@twfirst=1
7069         \setbox#2=\vbox{\unvbox#2\hbox
7070           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box
7071         \def\c@twfirst{2}
7072       \else
7073         \setbox#2=\vbox{\unvbox#2\hbox
7074           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else
7075       \fi
7076       \def\c@twrounds{1}
7077     \fi}}

```



43 File cuted-xetex-bidi.def

```

7078 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for Xe
7079
7080 \def\RTL@outputdblcol{%
7081   \if@firstcolumn
7082     \global\@firstcolumnfalse
7083     \global\setbox\@leftcolumn\copy\@outputbox
7084     \splitmaxdepth\maxdimen
7085     \vbadness\maxdimen
7086     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7087     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7088     \toks@{\expandafter{\topmark}}%
7089     \xdef\@firstcoltopmark{\the\toks@}%
7090     \toks@{\expandafter{\splitfirstmark}}%
7091     \xdef\@firstcolfirstmark{\the\toks@}%
7092     \ifx\@firstcolfirstmark\@empty
7093       \global\let\@setmarks\relax
7094     \else
7095       \gdef\@setmarks{%
7096         \let\firstmark\@firstcolfirstmark
7097         \let\topmark\@firstcoltopmark}%
7098     \fi
7099   \else
7100     \global\@firstcolumntrue
7101     \setbox\@outputbox\vbox{%
7102       \hb@xt@\textwidth{%
7103         \hskip \columnwidth
7104         \hfil
7105         {\normalcolor\vrule \@width\columnseprule}%
7106         \hfil
7107         \hb@xt@\columnwidth{%
7108           \bidi@firstcolumn@status@write%
7109           \box\@leftcolumn \hss}%
7110         \hskip -\textwidth
7111         \hb@xt@\columnwidth{%
7112           \bidi@lastcolumn@status@write%
7113           \box\@outputbox \hss}%
7114         \hskip \columnsep
7115         \hskip \columnwidth }}%
7116     \ifvoid\hold@viper
7117     \else
7118       \setbox\@outputbox \vbox to\textheight{%
7119         \box\hold@viper
7120         \box\@outputbox
7121         \vss
7122       }%
7123     \fi
7124   \@combinedblfloats
7125   \@setmarks

```



```

7126 \@outputpage
7127 \beginingroup
7128   \@dblfloatplacement
7129   \@startdblcolumn
7130   \@whiles\if@fcolmade \fi{\@outputpage
7131   \@startdblcolumn}%
7132   \ifvoid\@viper
7133   \else
7134     \global\setbox\@viper\vbox{%
7135       \vskip-\stripsep
7136       \unvbox\@viper
7137     }%
7138     \@viperoutput
7139   \fi
7140 \endgroup
7141 \fi}%
7142
7143 \def\LTR@outputdblcol{%
7144   \if@firstcolumn
7145     \global\@firstcolumnfalse
7146     \global\setbox\@leftcolumn\copy\@outputbox
7147     \splitmaxdepth\maxdimen
7148     \vbadness\maxdimen
7149     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7150     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7151     \toks@{\expandafter{\topmark}}%
7152     \xdef\@firstcoltopmark{\the\toks@}%
7153     \toks@{\expandafter{\splitfirstmark}}%
7154     \xdef\@firstcolfirstmark{\the\toks@}%
7155     \ifx\@firstcolfirstmark\@empty
7156       \global\let\@setmarks\relax
7157     \else
7158       \gdef\@setmarks{%
7159         \let\firstmark\@firstcolfirstmark
7160         \let\topmark\@firstcoltopmark}%
7161     \fi
7162   \else
7163     \global\@firstcolumntrue
7164     \setbox\@outputbox\vbox{%
7165       \hb@xt@\textwidth{%
7166         \hb@xt@\columnwidth{%
7167           \bidi@firstcolumn@status@write%
7168           \box\@leftcolumn \hss}%
7169         \hfil
7170         {\normalcolor\vrule \@width\columnseprule}%
7171         \hfil
7172         \hb@xt@\columnwidth{%
7173           \bidi@lastcolumn@status@write%
7174           \box\@outputbox \hss}}}%
7175   \ifvoid\hold@viper

```



```

7176 \else
7177 \setbox\@outputbox \vbox to\textheight{%
7178 \box\hold@viper
7179 \box\@outputbox
7180 \vss
7181 }%
7182 \fi
7183 \@combinedblfloats
7184 \@setmarks
7185 \@outputpage
7186 \beginngroup
7187 \@dblfloatplacement
7188 \@startdblcolumn
7189 \@whiles\if@fcolmade \fi{\@outputpage
7190 \@startdblcolumn}%
7191 \ifvoid\@viper
7192 \else
7193 \global\setbox\@viper\vbox{%
7194 \vskip-\stripsep
7195 \unvbox\@viper
7196 }%
7197 \@viperoutput
7198 \fi
7199 \endgroup
7200 \fi}%
7201
7202
7203 \def \@addviper {%
7204 \if@firstcolumn
7205 \@insertfalse
7206 \@reqcolroom .5\@pageht
7207 \ht@viper\@reqcolroom
7208 \advance \@reqcolroom \ht@viper
7209 \advance \@reqcolroom \stripsep
7210 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7211 %%
7212 \@tempdimb \ht@viper
7213 \loop
7214 \setbox\v@aaa\copy\@holdpg
7215 \setbox\v@ccc\vbox to\@tempdimb{%
7216 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7217 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7218 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7219 \loop
7220 \setbox\v@aaa\copy\@holdpg
7221 \setbox\v@ccc\vbox to\@tempdimb{%
7222 \vsplit\v@aaa to\@tempdimb\vss}%
7223 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7224 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7225 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%

```



```

7226 \setbox\v@ccc\vbox to\@tempdimb{%
7227 \vsplit\@holdpg to\@tempdimb\vss}%
7228 %%
7229 \setbox\@tempboxa \vbox {%
7230 \hb@xt@\textwidth {%
7231 \if@RTLmain%
7232 \hskip \columnwidth
7233 \hfil \vrule width\columnseprule \hfil
7234 \hb@xt@\columnwidth {%
7235 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7236 \hskip -\textwidth
7237 \hb@xt@\columnwidth {%
7238 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7239 \hskip \columnsep
7240 \hskip \columnwidth
7241 \else%
7242 \hb@xt@\columnwidth {%
7243 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7244 \hfil
7245 \vrule \@width\columnseprule
7246 \hfil
7247 \hb@xt@\columnwidth {%
7248 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7249 \fi}%
7250 }%
7251 \ifvoid\hold@viper
7252 \global\setbox\hold@viper \vbox {%
7253 \unvbox\@tempboxa
7254 \penalty\interlinepenalty
7255 \vskip\stripsep
7256 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7257 \outputpenalty \z@
7258 }%
7259 \else
7260 \global\setbox\hold@viper \vbox {%
7261 \unvbox\hold@viper
7262 \unvbox\@tempboxa
7263 \penalty\interlinepenalty
7264 \vskip\stripsep
7265 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7266 \outputpenalty \z@
7267 }%
7268 \fi
7269 \ifdim \@colroom>\@reqcolroom
7270 \global\setbox\hold@viper \vbox {%
7271 \unvbox\hold@viper
7272 \box\@viper
7273 \penalty\interlinepenalty
7274 \vskip\stripsep
7275 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi

```




```

7276         \outputpenalty \z@
7277         }%
7278     \@inserttrue
7279     \advance\@tempdima by-\ht\hold@viper
7280     \global \advance \@colht \@tempdima
7281     \ifdim \@colht<2.5\baselineskip
7282         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7283             too tall on page \thepage (1 stulpelis)}%
7284         \@emptycol
7285         \if@firstcolumn
7286         \else
7287             \@emptycol
7288         \fi
7289         \global\@lastvipertrue
7290     \else
7291         \global \vsize \@colht
7292         \global \@colroom \@colht
7293         \check@floats
7294         \ifdim\@tempdima>\z@
7295             \global\advance\@colroom by-\@tempdima
7296         \fi
7297         \ifdim\@colroom<\z@
7298             \global\@colroom 1pt
7299             \ifdim\@tempdima>\@colht
7300                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7301                     netelpa lape \thepage (1 stulpelis)}%
7302             \fi
7303             \@emptycol
7304             \if@firstcolumn
7305             \else
7306                 \@emptycol
7307             \fi
7308             \global\@lastvipertrue
7309         \fi
7310     \fi
7311 \fi
7312 \else
7313     \@insertfalse
7314     \@reqcolroom\@colht
7315     \advance\@reqcolroom \@pageht
7316     \ht@viper.5\@reqcolroom
7317     \@reqcolroom\ht@viper
7318     \advance \@reqcolroom \ht\@viper
7319     \advance \@reqcolroom \stripsep
7320     \if@flushend@auto@baselineskip
7321         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7322             \global\lastskip@d\lastskip
7323             \global\lastskip@b\lastskip
7324         \loop
7325             \global\lastskip@a\lastskip@b

```



```

7326         \unskip\unpenalty
7327         \global\lastskip@b\lastskip
7328         \global\advance\lastskip@d by\lastskip
7329         \ifdim\lastskip@b=-\lastskip@a
7330         \global\advance\lastskip@d by-\lastskip
7331         \else
7332         \repeat
7333         \ifdim\lastskip@b=-\lastskip@a
7334         \ifdim\lastskip@b=\z@
7335         \setbox\lastbox@a\lastbox
7336         \global\advance\lastskip@d by\ht\lastbox@a
7337         \global\advance\lastskip@d by\lastskip
7338         \unskip\unpenalty
7339         \setbox\lastbox@a\lastbox
7340         \global\advance\lastskip@d by\dp\lastbox@a
7341         \else
7342         \global\lastskip@d\lastskip
7343         \global\advance\lastskip@d by\topskip
7344         \fi
7345         \fi
7346         \global\advance\lastskip@d by-\topskip
7347         }%
7348         \ifdim\ht\@holdpg>\@colht
7349         \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7350         \par\eject
7351         \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7352         }%
7353         \else
7354         \global\setbox\@holdpg\vbox{%
7355         \unvbox\@leftcolumn\unskip\unpenalty
7356         \vskip\lastskip@d
7357         \the\At@ViperColsBreak
7358         \unvbox\@holdpg
7359         \unskip
7360         }%
7361         \fi
7362         \else
7363         \global\setbox\@holdpg\vbox{%
7364         \unvbox\@leftcolumn
7365         \setbox\@tempboxa\lastbox
7366         \on@stripcols@break
7367         \the\At@ViperColsBreak
7368         \unvbox\@holdpg
7369         }%
7370         \fi
7371         \global\At@ViperColsBreak{}%
7372         \ht@viper .5\ht\@holdpg
7373         \ifdim \ht@viper>\@colht
7374         \ht@viper \@colht
7375         \fi

```



```

7376 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7377 %%
7378 \@tempdimb \ht@viper
7379 \loop
7380 \setbox\v@aaa\copy\@holdpg
7381 \setbox\v@ccc\vbox to\@tempdimb{%
7382 \vsplit\v@aaa to\@tempdimb
7383 \vss
7384 \vsplit\v@aaa to\@tempdimb
7385 }%
7386 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7387 \ifvoid\v@aaa
7388 \else
7389 \advance\@tempdimb 1\p@
7390 \repeat
7391 \loop
7392 \setbox\v@aaa\copy\@holdpg
7393 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7394 \wlog{(2)Left:\the\ht\v@ccc\space
7395 Right:\the\ht\v@aaa\space
7396 Output:\the\@tempdimb
7397 }%
7398 \ifdim\ht\v@ccc<\ht\v@aaa
7399 \@tempdimb \the\ht\v@aaa
7400 \repeat
7401 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7402 ^^JRight:\the\ht\v@aaa
7403 ^^JOutput:\the\@tempdimb
7404 }%
7405 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7406 \setbox\@tempboxa\vbox{%
7407 \hb@xt@\textwidth {%
7408 \if@RTLmain%
7409 \hskip \columnwidth
7410 \hfil \vrule width\columnseprule \hfil
7411 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7412 \hskip -\textwidth
7413 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7414 \hskip \columnsep
7415 \hskip \columnwidth
7416 \else
7417 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7418 \hfil
7419 \vrule \@width\columnseprule
7420 \hfil
7421 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7422 \fi%
7423 }%
7424 }%
7425 \ifvoid\hold@viper

```



```

7426     \global\setbox\hold@viper \vbox {%
7427         \unvbox\@tempboxa
7428         \penalty\interlinepenalty
7429         \vskip\stripsep
7430         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7431         \outputpenalty \z@
7432         }%
7433 \else
7434     \global\setbox\hold@viper \vbox {%
7435         \unvbox\hold@viper
7436         \unvbox\@tempboxa
7437         \penalty\interlinepenalty
7438         \vskip\stripsep
7439         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7440         \outputpenalty \z@
7441         }%
7442 \fi
7443 \ifdim \@colht>\@reqcolroom
7444     \global\setbox\hold@viper \vbox {%
7445         \unvbox\hold@viper
7446         \box\@viper
7447         \penalty\interlinepenalty
7448         \vskip\stripsep
7449         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7450         \outputpenalty \z@
7451         }%
7452 \inserttrue
7453 \global\@firstcolumntrue
7454 \advance\@tempdima by-\ht\hold@viper
7455 \global \advance \@colht \@tempdima
7456 \ifdim \@colht<2.5\baselineskip
7457     \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7458                             too tall on page \thepage (2 stulpelis)}%
7459     \@emptycol
7460     \if@firstcolumn
7461     \else
7462         \@emptycol
7463     \fi
7464     \global\@lastvipertrue
7465 \else
7466     \global \vsize \@colht
7467     \global \@colroom \@colht
7468     \check@floats
7469     \ifdim\@tempdima>\z@
7470         \global\advance\@colroom by-\@tempdima
7471     \fi
7472     \ifdim\@colroom<\z@
7473         \global\@colroom 1pt
7474         \ifdim\@tempdima>\@colht
7475             \latex@warning@no@line {TOP ir/ar BOT FLOAT's

```



```

7476                                netelpe lape \thepage (2 stulpelis)}}%
7477                                \fi
7478                                \@emptycol
7479                                \if@firstcolumn
7480                                \else
7481                                    \@emptycol
7482                                \fi
7483                                \global\@lastvipertrue
7484                            \fi
7485                        \fi
7486                    \fi
7487                \fi
7488                \if@insert
7489                \else
7490                    \advance\@tempdima by-\ht\hold@viper
7491                    \global \advance \@colht \@tempdima
7492                    \global\setbox\hold@viper \vbox {%
7493                                            \unvbox\hold@viper
7494                                            \csname viper@top@hook\endcsname
7495                                            \vsplit\@viper to \@colht
7496                                            \vss
7497                                        }%
7498                    \vbox{}}%
7499                    \global\@firstcolumnfalse
7500                    \newpage
7501                \fi
7502            }

```

44 File cvthemebidicasual.sty

```

7503 \NeedsTeXFormat{LaTeX2e}
7504 \ProvidesPackage{cvthemebidicasual}
7505 \DeclareOption{blue}{}
7506 \newif\if@colourorange\@colourorangefalse
7507 \DeclareOption{orange}{\@colourorange true}
7508 \newif\if@colourgreen\@colourgreenfalse
7509 \DeclareOption{green}{\@colourgreentrue}
7510 \newif\if@colourred\@colourredfalse
7511 \DeclareOption{red}{\@colourred true}
7512 \newif\if@colourgrey\@colourgreyfalse
7513 \DeclareOption{grey}{\@colourgrey true}
7514 \DeclareOption*{
7515     \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7516 \ExecuteOptions{colour}
7517 \ProcessOptions\relax
7518 \renewcommand*{\listitemsymbol}{\textbullet}
7519 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7520 \familynamecolour{808080}
7521 \firstnamecolour{A9A9A9}
7522 \quotecolour{696969}

```



```

7523 \addresscolour{696969}
7524 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7525 \sectiontitlecolour{1E90FF}
7526 \subsectioncolour{4682B4}
7527 \definecolor{rulecolour}{gray}{0.6}
7528 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7529 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7530 \if@colourorange
7531 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7532 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7533 \sectiontitlecolour{FF8C00}
7534 \subsectioncolour{FF8C00}
7535 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7536 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7537 \if@colourgreen
7538 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7539 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7540 \sectiontitlecolour{008000}
7541 \subsectioncolour{008000}
7542 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7543 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7544 \if@coloured
7545 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7546 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7547 \sectiontitlecolour{FF0000}
7548 \subsectioncolour{FF0000}
7549 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7550 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7551 \if@colourgrey
7552 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7553 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7554 \sectiontitlecolour{808080}
7555 \subsectioncolour{808080}
7556 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7557 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7558 \renewcommand*{\ttdefault}{pcr}
7559 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7560 \renewcommand*{\familynamefont}{\firstnamefont}
7561 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7562 \renewcommand*{\quoteftfont}{\large\slshape}
7563 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7564 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7565 \renewcommand*{\maketitle}{%
7566   {%
7567     \ifthenelse{\isundefined{\@photo}}{%
7568       {%
7569         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7570         \hfill%
7571         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7572         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%

```



```

7573 \ifthenelse{\isundefined{\@quote}}{%
7574   {%
7575     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[/
7576   }%
7577 \newif\if@firstfooterelement\@firstfooterelementtrue
7578 \providecommand*\footersymbol{}
7579 \renewcommand*\footersymbol{%
7580   \if@firstfooterelement%
7581   \else%
7582     {~~\color{footersymbolcolor}\textbullet~~}\fi}
7583 \providecommand*\makefooter{}
7584 \renewcommand*\makefooter{%
7585   \fancypagestyle{plain}{%
7586     \fancyfoot[c]{%
7587       \parbox{0.8\textwidth}{%
7588         \centering%
7589         \addressfont\@addresscolour%
7590         \ifthenelse{\isundefined{\@address}}{}{%
7591           \addresssymbol~\@address\%
7592           \@firstfooterelementfalse}%
7593         \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7594         \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7595         \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7596         \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@firstfooterelementfalse}%
7597         \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7598       }%
7599     \pagestyle{plain}}
7600 \AtBeginDocument{\makefooter}

```

45 File cvthemebidiclassic.sty

```

7601 \NeedsTeXFormat{LaTeX2e}
7602 \ProvidesPackage{cvthemebidiclassic}
7603 \DeclareOption{blue}{}
7604 \newif\if@colourorange\@colourorangefalse
7605 \DeclareOption{orange}{\@colourorange true}
7606 \newif\if@colourgreen\@colourgreenfalse
7607 \DeclareOption{green}{\@colourgreentrue}
7608 \newif\if@colourred\@colourredfalse
7609 \DeclareOption{red}{\@colourred true}
7610 \newif\if@colourgrey\@colourgreyfalse
7611 \DeclareOption{grey}{\@colourgrey true}
7612 \DeclareOption*{
7613   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7614 \ExecuteOptions{colour}
7615 \ProcessOptions\relax
7616 \renewcommand*\listitemsymbol{\textbullet}
7617 \firstnamecolour{}
7618 \familynamecolour{}
7619 \titlecolour{808080}

```



```

7620 \quotecolour{696969}
7621 \addresscolour{696969}
7622 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7623 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7624 \sectiontitlecolour{1E90FF}
7625 \subsectioncolour{4682B4}
7626 \if@colourorange
7627   \addresscolour{FF8C00}
7628   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7629   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7630   \sectiontitlecolour{FF8C00}
7631   \subsectioncolour{FF8C00}\fi
7632 \if@colourgreen
7633   \addresscolour{008000}
7634   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7635   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7636   \sectiontitlecolour{008000}
7637   \subsectioncolour{008000}\fi
7638 \if@coloured
7639   \addresscolour{FF0000}
7640   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7641   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7642   \sectiontitlecolour{FF0000}
7643   \subsectioncolour{FF0000}\fi
7644 \if@colourgrey
7645   \addresscolour{808080}
7646   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7647   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7648   \sectiontitlecolour{808080}
7649   \subsectioncolour{808080}\fi
7650 \renewcommand*{\ttdefault}{pcr}
7651 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7652 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7653 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7654 \renewcommand*{\familynamefont}{\firstnamefont}
7655 \renewcommand*{\quoteont}{\large\slshape}
7656 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7657 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7658 \newlength{\maketitlemaxwidth}
7659 \setlength{\maketitlemaxwidth}{.525\textwidth}
7660 \newlength{\maketitlefullwidth}
7661 \settowidth{\maketitlefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7662 \newlength{\maketitlewidth}
7663 \ifnum\maketitlemaxwidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}\fi
7664 \newlength{\maketitlepicturewidth}
7665 \setlength{\maketitlepicturewidth}{\@photowidth}
7666 \newlength{\maketitledetailwidth}
7667 \renewcommand*{\recomputethemelengths}{%
7668   \setlength{\maketitledetailwidth}{\textwidth}%
7669   \addtolength{\maketitledetailwidth}{-\maketitlewidth}%

```




```

7670 \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
7671 \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}%
7672 \recomputethemelengths
7673 \newif\if@firstdetailselement\@firstdetailselementtrue
7674 \newcommand*{\maketitledetailsnewline}{
7675   \if@firstdetailselement%
7676     \@firstdetailselementfalse%
7677   \else%
7678     \[.2em]\fi}
7679 \renewcommand*{\maketitle}{%
7680   % name and title
7681   \begin{minipage}[b]{\maketitlelinewidth}%
7682     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7683     \ifthenelse{equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}%
7684   \end{minipage}%
7685   % optional data
7686   \begin{minipage}[b]{\maketitledetailswidth}%
7687     \bidi@raggedleft\addressfont\@addresscolour%
7688     \ifthenelse{isundefined{\@address}}{\[%
7689       \maketitledetailsnewline%
7690       \addresssymbol~\@address}%
7691     \ifthenelse{isundefined{\@mobile}}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
7692     \ifthenelse{isundefined{\@phone}}{\maketitledetailsnewline\phonesymbol~\@phone}%
7693     \ifthenelse{isundefined{\@fax}}{\maketitledetailsnewline\faxsymbol~\@fax}%
7694     \ifthenelse{isundefined{\@email}}{\maketitledetailsnewline\emailsymbol~\emaillink{\@email}}%
7695     \ifthenelse{isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
7696   \end{minipage}%
7697   % optional photo
7698   \ifthenelse{isundefined{\@photo}}{%
7699     {%
7700       {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlephotoheight]{\@photo}}}%
7701     }%
7702   \ifthenelse{isundefined{\@quote}}{%
7703     {%
7704       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}}\[2ex]
7705     }

```

46 File dblfnote-xetex-bidi.def

```

7706 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7707 \let\autofooterule\relax
7708 \let\rightfootnoterule\relax
7709 \let\leftfootnoterule\relax
7710 \let\textwidthfootnoterule\relax
7711 \let\LRfootnoterule\relax
7712 \def\footnoterule{\kern-3\p@
7713   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7714 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}
7715 \let\@footnotetext\dfn@footnotetext}
7716 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{

```



```

7717 \let\insert\dfn@gobble
7718 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7719 \def\@makefnmark{\smash{\dfn@makefnmark}}
7720 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7721 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7722 \ifdim\dfn@dima>\z@\else
7723 \dfn@dima\sp\relax
7724 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7725 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7726 \ifvoid\dfn@ins\else
7727 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7728 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7729 \setbox\dfn@boxa\copy\dfn@ins
7730 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7731 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7732 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7733 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7734 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7735 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7736 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7737 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7738 \let\insert\dfn@gobble
7739 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7740 \def\@makefnmark{\smash{\dfn@makefnmark}}
7741 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7742 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7743 \ifdim\dfn@dima>\z@\else
7744 \dfn@dima\sp\relax
7745 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7746 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7747 \ifvoid\dfn@ins\else
7748 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7749 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7750 \setbox\dfn@boxa\copy\dfn@ins
7751 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7752 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7753 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7754 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7755 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7756 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7757 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7758 \def\dfn@RTLmakecol{{\ifvoid\footins\else
7759 \dfn@dima\ht\footins
7760 \@tempcnta\z@ \dfn@countins
7761 \@tempdima\z@ \let\@elt\dfn@elt@getht
7762 \dfn@list\@nil
7763 \ifdim\@tempdima=\z@\else
7764 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7765 \global\setbox\dfn@ins\box\dfn@ins
7766 \@tempwattrue

```



```

7767 \ifdfn@trysingle
7768 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7769 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7770 \advance\@tempdima-\skip\footins
7771 \advance\@tempdima-\ht\dfn@boxa
7772 \ifdim\@tempdima<z@\else \@tempswafalse
7773 \global\setbox\footins\vbox{\boxmaxdepth\dfn\fnmaxdp
7774 \footnoterule \unvbox\dfn@boxa}\fi\fi
7775 \if@tempswa
7776 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn\fnmaxdp\footnotesep
7777 \global\setbox\footins\vbox{\hbox{%
7778 \hskip \DFNcolumnwidth
7779 \hskip\DFNcolumnsep
7780 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7781 \unvbox\dfn@boxb\vss}\hss}
7782 \hskip -\textwidth
7783 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7784 \vbox to\@tempdima{
7785 \setbox\@tempboxa\vbox{\footnoterule}
7786 \ifdfn@ruleboth \unvbox\@tempboxa
7787 \else \@tempdima\ht\@tempboxa
7788 \advance\@tempdima\dp\@tempboxa
7789 \vskip\@tempdima
7790 \prevdepth\dp\@tempboxa \fi
7791 \unvbox\dfn@boxa\vss}\fi\hss}
7792 \hskip \DFNcolumnsep
7793 \hskip \DFNcolumnwidth}}\fi\fi
7794 \global\dfn\fnht\z@
7795 \ifx\dfn@list\@empty\else
7796 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7797 \dfn@list \global\advance\dfn\fnht\dfn@dimb
7798 \let\@elt\relax
7799 \ifdim\dfn@dimb>\z@
7800 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7801 \insert\footins{\floatingpenalty\@MM
7802 \vbox to\dfn@dimb{}}\fi
7803 \ifdim\dfn\fnht>\@tempdima
7804 \@tempdimb\@tempdima \advance\@tempdimb-\dfn\fnht
7805 \global\dfn\fnht\@tempdima
7806 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7807 \xdef\dfn@afteroutput{\insert\footins{
7808 \floatingpenalty\@MM
7809 \vbox to\number\@tempdimb sp{}}}%
7810 \global\let\noexpand\dfn@afteroutput\relax}%
7811 \fi\fi
7812 \fi}%
7813 \let\footnoterule\relax \dfn@latex@makecol
7814 \let\footnoterule\dfn@footnoterule}
7815 \def\dfn@LTRmakecol{\ifvoid\footins\else
7816 \dfn@dima\ht\footins

```



```

7817 \@tempcnta\z@ \dfn@countins
7818 \@tempdima\z@ \let\@elt\dfn@elt@getht
7819 \dfn@list\@nil
7820 \ifdim\@tempdima=\z@\else
7821 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7822 \global\setbox\dfn@ins\box\dfn@ins
7823 \@tempswatrue
7824 \ifdfn@trysingle
7825 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7826 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7827 \advance\@tempdima-\skip\footins
7828 \advance\@tempdima-\ht\dfn@boxa
7829 \ifdim\@tempdima<\z@\else \@tempswafalse
7830 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7831 \footnoterule \unvbox\dfn@boxa}\fi\fi
7832 \if@tempswa
7833 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7834 \global\setbox\footins\vbox{\hbox{%
7835 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7836 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7837 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7838 \vbox to\@tempdima{
7839 \setbox\@tempboxa\vbox{\footnoterule}
7840 \ifdfn@ruleboth \unvbox\@tempboxa
7841 \else \@tempdima\ht\@tempboxa
7842 \advance\@tempdima\dp\@tempboxa
7843 \vskip\@tempdima
7844 \prevdepth\dp\@tempboxa \fi
7845 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7846 \global\dfn@fnht\z@
7847 \ifx\dfn@list\@empty\else
7848 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7849 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7850 \let\@elt\relax
7851 \ifdim\dfn@dimb>\z@
7852 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7853 \insert\footins{\floatingpenalty\@MM
7854 \vbox to\dfn@dimb{}}\fi
7855 \ifdim\dfn@fnht>\@tempdima
7856 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7857 \global\dfn@fnht\@tempdima
7858 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7859 \xdef\dfn@afteroutput{\insert\footins{
7860 \floatingpenalty\@MM
7861 \vbox to\number\@tempdimb sp{}}}%
7862 \global\let\noexpand\dfn@afteroutput\relax}%
7863 \fi\fi
7864 \fi}%
7865 \let\footnoterule\relax \dfn@latex@makecol
7866 \let\footnoterule\dfn@footnoterule}

```



```

7867 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7868 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7869 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7870 \DFNalwaysdouble

```

47 File diagbox-xetex-bidi.def

```

7871 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for
7872 \bidi@patchcmd{\diagbox@double}{%
7873   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7874 }{\bidi@@diagbox@double@ii}{-}{-}
7875 \bidi@patchcmd{\diagbox@double}{%
7876   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}}
7877 }{\bidi@@diagbox@double@iii}{-}{-}
7878 \newcommand*{\bidi@@diagbox@double@ii}{%
7879   \if@RTL
7880     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
7881   \else
7882     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7883   \fi
7884 }
7885 \newcommand*{\bidi@@diagbox@double@iii}{%
7886   \if@RTL
7887     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7888   \else
7889     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7890   \fi
7891 }
7892 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7893   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7894 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
7895 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7896   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7897 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
7898 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7899   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7900 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
7901 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
7902   \if@RTL
7903     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
7904   \else
7905     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7906   \fi
7907 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
7908   \if@RTL
7909     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7910   \else
7911     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
7912   \fi
7913 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW

```



```

7914 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7915     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
7916 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
7917 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7918     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7919 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
7920 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7921     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7922 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
7923 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
7924     \if@RTL
7925     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}%
7926     \else
7927     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
7928     \fi
7929 }
7930 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
7931     \if@RTL
7932     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
7933     \else
7934     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7935     \fi
7936 }
7937 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
7938 \bidi@patchcmd{\diagbox@double@pict@SE}{%
7939     \diagbox@setlinecolor
7940     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
7941 }{%
7942     {\diagbox@setlinecolor
7943     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
7944 }{-}{-}
7945 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
7946 \bidi@patchcmd{\diagbox@double@pict@NE}{%
7947     \diagbox@setlinecolor
7948     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
7949 }{%
7950     {\diagbox@setlinecolor
7951     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
7952 }{-}{-}
7953 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
7954 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
7955     \diagbox@setlinecolor
7956     \Line(0,\yym)(\x,0)
7957     \Line(\xm,\y)(\x,0)%
7958 }{%
7959     {\diagbox@setlinecolor
7960     \Line(0,\yym)(\x,0)
7961     \Line(\xm,\y)(\x,0)}%
7962 }{-}{-}
7963 \bidi@patchcmd{\diagbox@triple@pict@NE}{%

```



```

7964 \diagbox@setlinecolor
7965 \Line(0,0)(\xxm,\y)
7966 \Line(0,0)(\x,\yym)%
7967 }{%
7968 {\diagbox@setlinecolor
7969 \Line(0,0)(\xxm,\y)
7970 \Line(0,0)(\x,\yym)}%
7971 }{}{}
7972 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
7973 \diagbox@setlinecolor
7974 \Line(0,\ym)(\x,\y)
7975 \Line(\xm,0)(\x,\y)%
7976 }{%
7977 {\diagbox@setlinecolor
7978 \Line(0,\ym)(\x,\y)
7979 \Line(\xm,0)(\x,\y)}%
7980 }{}{}
7981 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
7982 \diagbox@setlinecolor
7983 \Line(0,\y)(\xxm,0)
7984 \Line(0,\y)(\x,\ym)%
7985 }{%
7986 {\diagbox@setlinecolor
7987 \Line(0,\y)(\xxm,0)
7988 \Line(0,\y)(\x,\ym)}%
7989 }{}{}

```

48 File draftwatermark-xetex-bidi.def

```

7990 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
7991 \renewcommand\SetWatermarkText[1]{%
7992 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

49 File eso-pic-xetex-bidi.def

```

7993 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for xetex]
7994 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
7995 \put(\LenToUnit{\if@RTLmain\paperwidth\else\opt\fi},\LenToUnit{-\paperheight}){#1}}}
7996
7997 \ESO@isMEMOIR{%
7998 \renewcommand\AtTextUpperLeft[1]{%
7999 \begingroup
8000 \ifodd\c@page
8001 \@tempdima=\spinemargin
8002 \else
8003 \@tempdima=\paperwidth
8004 \advance\@tempdima-\textwidth
8005 \advance\@tempdima-\spinemargin
8006 \fi
8007 \@tempdimb=-\uppermargin

```



```

8008      \AtPageUpperLeft{%
8009          \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8010      }%
8011      \endgroup
8012  }
8013 }{%
8014 \renewcommand\AtTextUpperLeft[1]{%
8015     \begingroup
8016     \@tempdima=1in\relax
8017     \ifodd\c@page
8018         \advance\@tempdima\oddsidemargin
8019     \else
8020         \advance\@tempdima\evensidemargin
8021     \fi
8022     \@tempdimb=-1in\relax
8023     \advance\@tempdimb-\topmargin
8024     \advance\@tempdimb-\headheight
8025     \advance\@tempdimb-\headsep
8026     \AtPageUpperLeft{%
8027         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8028     }%
8029     \endgroup
8030 }
8031 }

```

50 File empheq-xetex-bidi.def

```

8032 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for ]
8033 \MHInternalSyntaxOn
8034 \def\EQ_tag_plus_endmark:{%
8035     \iftagsleft@
8036     \gdef\maketag@@@##1{%
8037         \hfuzz\displaywidth
8038         \if@RTL\makebox[\widthof{##1}][r]{%
8039             \hbox to \displaywidth{\m@th\normalfont##1\hss
8040                 \raisebox{-\dp\EQ_mathdisplay_box
8041                     -\depthof{\EQ_outerbox:}}{
8042                     {\PotEndMark{\hss}}}}
8043         \else\makebox[\widthof{##1}][l]{%
8044             \hbox to \displaywidth{\m@th\normalfont##1\hss
8045                 \raisebox{-\dp\EQ_mathdisplay_box
8046                     -\depthof{\EQ_outerbox:}}{
8047                     {\PotEndMark{\hss}}}}\fi}%
8048     \MH_else:
8049     \gdef\maketag@@@##1{%
8050         \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
8051             \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
8052             \MH_addtolength:dn \@tempdima
8053             {\g_EQ_bottomtag_depth_dim+\mintagvsep}
8054             \setlength{\@tempdimb}

```




```

8055         {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox: {}}}
8056         +\depthof{\EQ_innerbox: {}}}}
8057     \MH_if_dim:w \@tempdima>\@tempdimb
8058     \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8059     -\@tempdima+\g_EQ_bottomrow_depth_dim}
8060     \addtolength{\@tempdima}{\depthof{\EQ_innerbox: {}}}%
8061     \def\EQ_next:{\raisebox{\@tempdima}}%
8062     \MH_else:
8063     \def\EQ_next:{
8064     \raisebox{-\dp\EQ_mathdisplay_box
8065     -\depthof{\EQ_outerbox: {}}}%
8066     \MH_fi:\EQ_next:}}}%
8067 \MH_fi:}
8068 \def\EQ_post_process:{%
8069 \EQ_initialize:
8070 \EQ_begin_equation:
8071 \MH_if_boolean:nT {outer_mult}{
8072 \setkeys{\MT_options_name:}{
8073 firstline-afterskip=0pt,
8074 lastline-preskip=0pt,
8075 multlined-width=0pt,
8076 }
8077 \ifodd \l_EQ_alignmentmode_int
8078 \setkeys{\MT_options_name:}{multlined-pos=b}
8079 \MH_else:
8080 \setkeys{\MT_options_name:}{multlined-pos=t}
8081 \MH_fi:
8082 \g@addto@macro\EQ_complete_mathdisplay:{
8083 \begin{MTmultlined}\relax}
8084 }
8085 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8086 \MH_if_boolean:nT {outer_mult}{
8087 \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8088 }
8089 \EQ_end_equation:
8090 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8091 \savecounters@
8092 \EQ_typeset_tags:
8093 \edef\l_EQ_equation_fint{\number\c@equation}
8094 \restorecounters@
8095 \Hy@linkcounter=\EQ_hyperref_link_fint
8096 \settowidth\l_EQ_totalwidth_dim{%
8097 $EQ_left_side:EQ_innerbox: {\}EQ_right_side:$}%
8098 \MH_if_boolean:nTF {outer_mult}
8099 { \def\EQ_next:{_mult} }
8100 { \def\EQ_next:{} }
8101 \@nameuse{EQ_modify_linewidth_
8102 \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8103 \EQ_typeset_display:
8104 \@nameuse{EQ_find_displaywidth_

```



```

8105         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8106 \MH_addtolength:dn
8107   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
8108 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8109   $\EQ_left_side:
8110   \EQ_innerbox:{%
8111     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8112     \makebox[\l_EQ_displaywidth_dim][c]
8113     {\usebox{\EQ_mathdisplay_box}}}%
8114   \MH_or:
8115     \makebox[\l_EQ_displaywidth_dim][c]
8116     {\usebox{\EQ_mathdisplay_box}}}%
8117   \MH_or:
8118     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8119       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8120         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8121           \kern-\@mathmargin
8122         \MH_fi:
8123       \MH_fi:
8124       \usebox{\EQ_mathdisplay_box}}}%
8125     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8126       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8127         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8128           \kern-\@mathmargin
8129         \MH_fi:
8130       \MH_fi:
8131       \usebox{\EQ_mathdisplay_box}}\fi%
8132   \MH_or:
8133     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8134       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8135         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8136           \kern-\@mathmargin
8137         \MH_fi:
8138       \MH_fi:
8139       \usebox{\EQ_mathdisplay_box}}
8140     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8141       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8142         \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8143           \kern-\@mathmargin
8144         \MH_fi:
8145       \MH_fi:
8146       \usebox{\EQ_mathdisplay_box}}\fi%
8147   \MH_fi:}%
8148   \EQ_right_side:$}%
8149 \begin{AmSequation*}
8150 \@nameuse{EQ_place_display_
8151   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8152 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8153 \MH_set_boolean_T:n {show_manual_tags}
8154 \MH_if_case:w \l_EQ_alignmentmode_int

```



```

8155 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
8156 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
8157 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
8158 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
8159 \MH_fi:
8160 \MH_fi:
8161 \end{AmSequation*}
8162 \global\c@equation=\l_EQ_equation_fint\relax
8163 }
8164 \AtBeginDocument{%
8165 \ifpackageloaded{fancybox}{%
8166 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8167 {\renewcommand*{\textcolor[2]{\normalcolor{\#2}}}%
8168 \renewcommand*{\shadowbox{%
8169 \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
8170 \VerbBox\EQ_shadowbox:n}
8171 {\MH_set_boolean_F:n {shadowbox_star}
8172 \VerbBox\EQ_shadowbox:n}}
8173 \def\EQ_shadowbox:n #1{%
8174 \sbox{\z@}{\fbox{\#1}}%
8175 \MH_if_boolean:nTF {shadowbox_star}{
8176 \MH_setlength:dn \@tempdima{\z@}%
8177 }{
8178 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8179 }
8180 \raisebox{\@tempdima}{%
8181 \if@RTL\makebox[\z@][r]{%
8182 \kern\shadowsize \textcolor{shadowcolor}{%
8183 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8184 }%
8185 \else\makebox[\z@][l]{%
8186 \kern\shadowsize \textcolor{shadowcolor}{%
8187 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8188 }\fi%
8189 \usebox\z@\textcolor{shadowcolor}{%
8190 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8191 }{}%
8192 }
8193 \MHInternalSyntaxOff

```

51 File extarticle-xetex-bidi.def

```

8194 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8195 \renewcommand*\l@section[2]{%
8196 \ifnum \c@tocdepth >\z@
8197 \addpenalty\@secpenalty
8198 \addvspace{1.0em \@plus\p@}%
8199 \setlength\@tempdima{1.5em}%
8200 \begingroup
8201 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

8202 \parfillskip -\@pnumwidth
8203 \leavevmode \bfseries
8204 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
8205 \hskip -\if@RTL\righskip\else\leftskip\fi
8206 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8207 \endgroup
8208 \fi}
8209 \renewcommand*\l@part[2]{%
8210 \ifnum \c@tocdepth >-2\relax
8211 \addpenalty\@secpenalty
8212 \addvspace{2.25em \@plus\p@}%
8213 \begingroup
8214 \setlength\@tempdima{3em}%
8215 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
8216 \parfillskip -\@pnumwidth
8217 {\leavevmode
8218 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8219 \nobreak
8220 \endgroup
8221 \fi}
8222 \def\@part[#1]#2{%
8223 \ifnum \c@secnumdepth >\m@ne
8224 \refstepcounter{part}%
8225 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8226 \else
8227 \addcontentsline{toc}{part}{#1}%
8228 \fi
8229 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8230 \interlinepenalty \@M
8231 \normalfont
8232 \ifnum \c@secnumdepth >\m@ne
8233 \Large\bfseries \partname~\thepart
8234 \par\nobreak
8235 \fi
8236 \huge \bfseries #2%
8237 \markboth{}{}\par}%
8238 \nobreak
8239 \vskip 3ex
8240 \@afterheading}
8241 \def\@spart#1{%
8242 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8243 \interlinepenalty \@M
8244 \normalfont
8245 \huge \bfseries #1\par}%
8246 \nobreak
8247 \vskip 3ex
8248 \@afterheading}
8249 \renewenvironment{thebibliography}[1]
8250 {\section*\refname
8251 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%

```



```

8252         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8253         \bidi@thebibliography@font@hook%
8254         \list{\@biblabel{\@arabic\c@enumiv}}%
8255             {\settowidth\labelwidth{\@biblabel{#1}}%
8256              \leftmargin\labelwidth
8257              \advance\leftmargin\labelsep
8258              \@openbib@code
8259              \usecounter{enumiv}%
8260              \let\p@enumiv\@empty
8261              \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8262         \sloppy\clubpenalty4000\widowpenalty4000%
8263         \sfcode`.\@m}
8264     {\def\@noitemerr
8265      {\@latex@warning{Empty `thebibliography' environment}}}%
8266     \endlist}
8267 \renewcommand\left@footnoterule{%
8268   \kern-3\p@
8269   \hrule\@width.4\columnwidth
8270   \kern2.6\p@}
8271 \renewcommand\right@footnoterule{%
8272   \kern-3\p@
8273   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8274   \kern2.6\p@}
8275   \if@titlepage
8276   \renewcommand\maketitle{\begin{titlepage}%
8277     \let\footnotesize\small
8278     \let\right@footnoterule\relax
8279     \let\left@footnoterule\relax
8280     \let\textwidth\footnoterule\relax
8281     \let \footnote \thanks
8282     \null\vfil
8283     \vskip 60\p@
8284     \begin{center}%
8285       {\LARGE \@title \par}%
8286       \vskip 3em%
8287       {\large
8288         \lineskip .75em%
8289         \begin{tabular}[t]{c}%
8290           \@author
8291         \end{tabular}\par}%
8292       \vskip 1.5em%
8293       {\large \@date \par}%           % Set date in \large size.
8294     \end{center}\par
8295     \@thanks
8296     \vfil\null
8297   \end{titlepage}%
8298   \setcounter{footnote}{0}%
8299   \global\let\thanks\relax
8300   \global\let\maketitle\relax
8301   \global\let\@thanks\@empty

```



```

8302 \global\let\@author\@empty
8303 \global\let\@date\@empty
8304 \global\let\@title\@empty
8305 \global\let\title\relax
8306 \global\let\author\relax
8307 \global\let\date\relax
8308 \global\let\and\relax
8309 }
8310 \else
8311 \renewcommand\maketitle{\par
8312 \begingroup
8313 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8314 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8315 \long\def\@makefntext##1{\parindent 1em\noindent
8316 \hb@xt@1.8em{%
8317 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8318 \if@twocolumn
8319 \ifnum \col@number=\@ne
8320 \maketitle
8321 \else
8322 \twocolumn[\maketitle]%
8323 \fi
8324 \else
8325 \newpage
8326 \global\@topnum\z@ % Prevents figures from going at top of page.
8327 \maketitle
8328 \fi
8329 \thispagestyle{plain}\@thanks
8330 \endgroup
8331 \setcounter{footnote}{0}%
8332 \global\let\thanks\relax
8333 \global\let\maketitle\relax
8334 \global\let\@maketitle\relax
8335 \global\let\@thanks\@empty
8336 \global\let\@author\@empty
8337 \global\let\@date\@empty
8338 \global\let\@title\@empty
8339 \global\let\title\relax
8340 \global\let\author\relax
8341 \global\let\date\relax
8342 \global\let\and\relax
8343 }
8344 \def\@maketitle{%
8345 \newpage
8346 \null
8347 \vskip 2em%
8348 \begin{center}%
8349 \let \footnote \thanks
8350 {\LARGE \@title \par}%
8351 \vskip 1.5em%

```



```

8352     {\large
8353       \lineskip .5em%
8354       \begin{tabular}[t]{c}%
8355         \@author
8356       \end{tabular}\par}%
8357     \vskip 1em%
8358     {\large \@date}%
8359 \end{center}%
8360 \par
8361 \vskip 1.5em}
8362 \fi
8363 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
8364 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8365 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8366 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

52 File extbook-xetex-bidi.def

```

8367 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for X
8368 \if@titlepage
8369 \renewcommand\maketitle{\begin{titlepage}%
8370 \let\footnotesize\small
8371 \let\right@footnoterule\relax
8372 \let\left@footnoterule\relax
8373 \let\textwidth\footnoterule\relax
8374 \let \footnote \thanks
8375 \let \LTRfootnote \LTRthanks
8376 \let \RTLfootnote \RTLthanks
8377 \null\vfil
8378 \vskip 60\p@
8379 \begin{center}%
8380   {\LARGE \@title \par}%
8381   \vskip 3em%
8382   {\large
8383     \lineskip .75em%
8384     \begin{tabular}[t]{c}%
8385       \@author
8386     \end{tabular}\par}%
8387     \vskip 1.5em%
8388     {\large \@date \par}%           % Set date in \large size.
8389 \end{center}\par
8390 \@thanks
8391 \vfil\null
8392 \end{titlepage}%
8393 \setcounter{footnote}{0}%
8394 \global\let\thanks\relax
8395 \global\let\LTRthanks\relax
8396 \global\let\RTLthanks\relax
8397 \global\let\maketitle\relax
8398 \global\let\@thanks\@empty

```



```

8399 \global\let\@author\@empty
8400 \global\let\@date\@empty
8401 \global\let\@title\@empty
8402 \global\let\title\relax
8403 \global\let\author\relax
8404 \global\let\date\relax
8405 \global\let\and\relax
8406 }
8407 \else
8408 \renewcommand\maketitle{\par
8409 \begingroup
8410 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8411 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8412 \long\def\@makefntext##1{\parindent 1em\noindent
8413 \hb@xt@1.8em{%
8414 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8415 \if@twocolumn
8416 \ifnum \col@number=\@ne
8417 \@maketitle
8418 \else
8419 \twocolumn[\@maketitle]%
8420 \fi
8421 \else
8422 \newpage
8423 \global\@topnum\z@ % Prevents figures from going at top of page.
8424 \@maketitle
8425 \fi
8426 \thispagestyle{plain}\@thanks
8427 \endgroup
8428 \setcounter{footnote}{0}%
8429 \global\let\thanks\relax
8430 \global\let\LTRthanks\relax
8431 \global\let\RTLthanks\relax
8432 \global\let\maketitle\relax
8433 \global\let\@maketitle\relax
8434 \global\let\@thanks\@empty
8435 \global\let\@author\@empty
8436 \global\let\@date\@empty
8437 \global\let\@title\@empty
8438 \global\let\title\relax
8439 \global\let\author\relax
8440 \global\let\date\relax
8441 \global\let\and\relax
8442 }
8443 \def\@maketitle{%
8444 \newpage
8445 \null
8446 \vskip 2em%
8447 \begin{center}%
8448 \let \footnote \thanks

```




```

8449 \let \LTRfootnote \LTRthanks
8450 \let \RTLfootnote \RTLthanks
8451 {\LARGE \@title \par}%
8452 \vskip 1.5em%
8453 {\large
8454 \lineskip .5em%
8455 \begin{tabular}[t]{c}%
8456 \@author
8457 \end{tabular}\par}%
8458 \vskip 1em%
8459 {\large \@date}%
8460 \end{center}%
8461 \par
8462 \vskip 1.5em}
8463 \fi
8464 \renewcommand*\l@part[2]{%
8465 \ifnum \c@tocdepth >-2\relax
8466 \addpenalty{-\@highpenalty}%
8467 \addvspace{2.25em \@plus\p@}%
8468 \begingroup
8469 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8470 \parfillskip -\@pnumwidth
8471 {\leavevmode
8472 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8473 \nobreak
8474 \global\@nobreaktrue
8475 \everypar{\global\@nobreakfalse\everypar{}}%
8476 \endgroup
8477 \fi}
8478 \renewcommand\theequation
8479 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8480 \renewcommand \thefigure
8481 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8482 \renewcommand \thetable
8483 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8484 \renewcommand \thechapter {\@arabic\c@chapter}
8485 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8486 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8487 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8488 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8489 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8490 \def\@makechapterhead#1{%
8491 \vspace*{50\p@}%
8492 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8493 \ifnum \c@secnumdepth >\m@ne
8494 \if@mainmatter
8495 \huge\bfseries \@chapapp\space \thechapter
8496 \par\nobreak
8497 \vskip 20\p@
8498 \fi

```



```

8499 \fi
8500 \interlinepenalty\@M
8501 \Huge \bfseries #1\par\nobreak
8502 \vskip 40\p@
8503 }}
8504
8505 \def\@makeschapterhead#1{%
8506 \vspace*{50\p@}%
8507 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8508 \normalfont
8509 \interlinepenalty\@M
8510 \Huge \bfseries #1\par\nobreak
8511 \vskip 40\p@
8512 }}
8513 \renewcommand\backmatter{%
8514 \if@openright
8515 \cleardoublepage
8516 \else
8517 \clearpage
8518 \fi
8519 \@mainmatterfalse}
8520 \renewenvironment{thebibliography}[1]
8521 {
\chapter*{\bibname
8522 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8523 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8524 \bidi@thebibliography@font@hook%
8525 \list{\@biblabel{\@arabic\c@enumiv}}%
8526 {\settowidth\labelwidth{\@biblabel{#1}}%
8527 \leftmargin\labelwidth
8528 \advance\leftmargin\labelsep
8529 \@openbib@code
8530 \usecounter{enumiv}%
8531 \let\p@enumiv\@empty
8532 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8533 \sloppy
8534 \clubpenalty4000
8535 \@clubpenalty \clubpenalty
8536 \widowpenalty4000%
8537 \sfcode`.\@m}
8538 {\def\@noitemerr
8539 {\@latex@warning{Empty `thebibliography' environment}}%
8540 \endlist}

```

53 File extletter-xetex-bidi.def

```

8541 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8542 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8543 \thispagestyle{firstpage}%
8544 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8545 \else % home address

```



```

8546 \thispagestyle{empty}%
8547 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8548 \fromaddress \*[2\parskip]%
8549 \@date \end{tabular}\par}%
8550 \fi
8551 \vspace{2\parskip}%
8552 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
8553 \vspace{2\parskip}%
8554 #1\par\nobreak}
8555 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8556 \stopbreaks
8557 \noindent
8558 \ifx\@empty\fromaddress\else
8559 \hspace*{\longindentation}\fi
8560 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8561 \ignorespaces #1\*[6\medskipamount]%
8562 \ifx\@empty\fromsig
8563 \fromname
8564 \else \fromsig \fi\strut}%
8565 \par}
8566 \renewcommand\left@footnoterule{%
8567 \kern-\p@
8568 \hrule \@width .4\columnwidth
8569 \kern .6\p@}
8570 \renewcommand\right@footnoterule{%
8571 \kern-\p@
8572 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8573 \kern .6\p@}

```

54 File extrafootnotefeatures-xetex-bidi.def

```

8574 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2017/05/19 v1.1 bidi extra footnote features]
8575 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
8576 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8577 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8578 \ifHy@hyperfootnotes
8579 \let\@H@footnotetext\@footnotetext
8580 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
8581 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8582 \let\@H@mpfootnotetext\@mpfootnotetext
8583 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8584 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8585 \fi
8586 }%
8587 }%
8588 }
8589 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8590 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8591 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8592 \ifHy@hyperfootnotes

```



```

8593 \let\H@@footnotetext\@footnotetext
8594 \let\@footnotetext\@H@@footnotetext
8595 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
8596 \let\@LTRfootnotetext\@HLTR@@LTRfootnotetext
8597 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
8598 \let\@RTLfootnotetext\@HRTL@@RTLfootnotetext
8599 \let\H@@mpfootnotetext\@mpfootnotetext
8600 \let\@mpfootnotetext\@H@@mpfootnotetext
8601 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
8602 \let\@mpLTRfootnotetext\@HLTR@@mpLTRfootnotetext
8603 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
8604 \let\@mpRTLfootnotetext\@HRTL@@mpRTLfootnotetext
8605 \fi
8606 }%
8607 }%
8608 }
8609 \let\autofootnoterule\relax
8610 \let\rightfootnoterule\relax
8611 \let\leftfootnoterule\relax
8612 \let\textwidthfootnoterule\relax
8613 \let\LRfootnoterule\relax
8614 \def\footnoterule{\kern-3\p@
8615 \hrule \@width \columnwidth \kern 2.6\p@}
8616 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8617 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8618 \renewcommand{\@footnotetext}[1]{%
8619 \insert\footins{%
8620 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8621 \def\baselinestretch{\m@m@footnote@spacing}%
8622 \reset@font
8623 \foottextfont
8624 \@preamfntext
8625 \hsize\columnwidth
8626 \protected@edef\@currentlabel{%
8627 \csname p@footnote\endcsname\@thefnmark}%
8628 \color@begingroup
8629 \@makefntext{%
8630 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8631 \@finalstrut\strutbox}%
8632 \color@endgroup}%
8633 \m@mmf@prepare}
8634 \renewcommand{\@RTLfootnotetext}[1]{%
8635 \insert\footins{%
8636 \@RTLtrue%
8637 \def\baselinestretch{\m@m@footnote@spacing}%
8638 \reset@font
8639 \RTLfoottextfont
8640 \@preamfntext
8641 \hsize\columnwidth
8642 \protected@edef\@currentlabel{%

```



```

8643     \csname p@footnote\endcsname\@thefnmark}%
8644     \color@begingroup
8645     \@makefnintext{%
8646         \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8647         \@finalstrut\strutbox}%
8648     \color@endgroup}%
8649     \m@mmf@prepare}
8650 \renewcommand{\@LTRfootnotetext}[1]{%
8651     \insert\footins{%
8652         \RTLfalse%
8653         \def\baselinestretch{\m@m@footnote@spacing}%
8654         \reset@font
8655         \LTRfoottextfont
8656         \@preamfntext
8657         \hsize\columnwidth
8658         \protected@edef\@currentlabel{%
8659             \csname p@footnote\endcsname\@thefnmark}%
8660         \color@begingroup
8661         \@makefnintext{%
8662             \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8663             \@finalstrut\strutbox}%
8664         \color@endgroup}%
8665         \m@mmf@prepare}
8666 \renewcommand{\@mpfootnotetext}[1]{%
8667     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8668         \unvbox\@mpfootins
8669         \def\baselinestretch{\m@m@footnote@spacing}%
8670         \foottextfont \hsize\columnwidth \@parboxrestore
8671         \protected@edef\@currentlabel{%
8672             \csname p@mpfootnote\endcsname\@thefnmark}%
8673     \color@begingroup
8674     \reset@font%
8675     \@makefnintext{%
8676         \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8677         \@finalstrut\strutbox}%
8678     \color@endgroup}}
8679 \renewcommand{\@mpLTRfootnotetext}[1]{%
8680     \global\setbox\@mpfootins\vbox{\@RTLfalse%
8681         \unvbox\@mpfootins
8682         \def\baselinestretch{\m@m@footnote@spacing}%
8683         \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8684         \protected@edef\@currentlabel{%
8685             \csname p@mpfootnote\endcsname\@thefnmark}%
8686     \color@begingroup
8687     \reset@font%
8688     \@makefnintext{%
8689         \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8690         \@finalstrut\strutbox}%
8691     \color@endgroup}}
8692 \renewcommand{\@mpRTLfootnotetext}[1]{%

```



```

8693 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8694 \unvbox\@mpfootins
8695 \def\baselinestretch{\m@m@footnote@spacing}%
8696 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8697 \protected@edef\@currentlabel{%
8698 \csname p@mpfootnote\endcsname\@thefnmark}%
8699 \color@begingroup
8700 \reset@font%
8701 \makefnfntext{%
8702 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8703 \@finalstrut\strutbox}%
8704 \color@endgroup}}
8705 \let\m@mold@footnotetext\@footnotetext
8706 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8707 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8708 \let\m@mold@mpfootnotetext\@mpfootnotetext
8709 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8710 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8711 \bidi@ensure@newcommand{\normalfootnotes}{%
8712 \@bidi@before@Hy@hyperfootnotes
8713 \let\@footnotetext\m@mold@footnotetext
8714 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8715 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8716 \let\@mpfootnotetext\m@mold@mpfootnotetext
8717 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8718 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8719 \@bidi@after@Hy@hyperfootnotes}
8720 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8721 \bidi@ensure@newcommand*\{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestrue}
8722 \bidi@ensure@newcommand*\{\LTRcolumnfootnotes}{\@RTLcolumnfootnotestrue}
8723 \bidi@ensure@newcommand*\{\setSingleSpace}[1]{%
8724 \def\m@m@singlespace{#1}%
8725 \def\m@m@footnote@spacing{#1}%
8726 \def\m@m@float@spacing{#1} %
8727 }
8728 \setSingleSpace{1}
8729 \bidi@ensure@newcommand*\{\multiplefootnotemarker}{3sp}
8730 \bidi@ensure@newcommand*\{\m@m@mmf@prepare}{%
8731 \kern-\multiplefootnotemarker
8732 \kern\multiplefootnotemarker\relax}
8733 \bidi@ensure@newlength{\footmarkwidth}
8734 \bidi@ensure@newlength{\footmarksep}
8735 \bidi@ensure@newlength{\footparindent}
8736 \bidi@ensure@newcommand*\{\footmarkstyle}[1]{\def\footscript##1{#1}}
8737 \bidi@ensure@newcommand*\{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8738 \bidi@ensure@newcommand*\{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8739 \bidi@ensure@newcommand{\footfootmark}{%
8740 \ifdim\footmarkwidth < \z@
8741 \llap{\hb@xt@ -\footmarkwidth{%
8742 \hss\normalfont\footscript{\@thefnmark}}}%

```



```

8743         \hspace*{-\footmarkwidth}}}%
8744     \else
8745         \ifdim\footmarkwidth = \z@
8746             {\normalfont\footscript{\@thefnmark}}}%
8747         \else
8748             \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}}%
8749         \fi
8750     \fi}
8751 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8752 \ifdim\footmarkwidth < \z@
8753     \llap{\hb@xt@ -\footmarkwidth{%
8754         \hss\normalfont\LTRfootscript{\@thefnmark}}}%
8755         \hspace*{-\footmarkwidth}}}%
8756 \else
8757     \ifdim\footmarkwidth = \z@
8758         {\normalfont\LTRfootscript{\@thefnmark}}}%
8759     \else
8760         \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}}%
8761     \fi
8762 \fi}
8763 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8764 \ifdim\footmarkwidth < \z@
8765     \llap{\hb@xt@ -\footmarkwidth{%
8766         \hss\normalfont\RTLfootscript{\@thefnmark}}}%
8767         \hspace*{-\footmarkwidth}}}%
8768 \else
8769     \ifdim\footmarkwidth = \z@
8770         {\normalfont\RTLfootscript{\@thefnmark}}}%
8771     \else
8772         \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}}%
8773     \fi
8774 \fi}
8775 \footmarkstyle{\textsuperscript{#1}}
8776 \LTRfootmarkstyle{\textsuperscript{#1}}
8777 \RTLfootmarkstyle{\textsuperscript{#1}}
8778 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8779 \setlength{\footparindent}{1em}
8780 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8781 \bidi@ensure@newcommand*{\extrafeetins}{%
8782     \setbox\@outputbox \vbox{%
8783         \boxmaxdepth \@maxdepth
8784         \unvbox\@outputbox
8785         \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8786         \extrafeetinshook}}
8787 \bidi@ensure@newcommand{\extrafeetinshook}{%
8788 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8789 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8790 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8791 \bidi@ensure@newlength{\footinsdim}
8792 \setlength{\footinsdim}{8in} % standard for \dimen\footins

```



```

8793 \bidi@ensure@newcommand{\@preamfntext}{%
8794   \interlinepenalty\interfootnotelinepenalty
8795   \floatingpenalty \@MM
8796   \splittopskip=\footnotesep
8797   \splitmaxdepth=\dp\strutbox
8798   \@parboxrestore}
8799 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8800   \extrafeetminihook}
8801 \bidi@ensure@newcommand{\extrafeetendmini}{%
8802   \ifvoid\@mpfootinsv\else
8803     \vskip\skip\@mpfootins
8804     \normalcolor\footnoterule\mp@footgroupv@r
8805   \fi
8806   \extrafeetendminihook}
8807 \bidi@ensure@newcommand{\extrafeetendminihook}{%
8808 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8809 \def\endminipage{%
8810   \par
8811   \unskip
8812   \ifvoid\@mpfootins\else
8813     \vskip\skip\@mpfootins
8814     \normalcolor
8815     \footnoterule
8816     \unvbox\@mpfootins
8817   \fi
8818   \m@mdoextrafeetendmini
8819   \@minipagefalse
8820   \color@endgroup
8821   \egroup
8822   \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
8823 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8824   \@namedef{\@footstart#1}{%
8825     \bidi@mopfn@bottom
8826     \vskip\bigskipamount
8827     \leftskip=\z@
8828     \rightskip=\z@
8829     \footnoterule}}
8830 \newinsert\footinsv@r
8831   \skip\footinsv@r\bigskipamount
8832   \count\footinsv@r=1000 % no magnification
8833   \dimen\footinsv@r=\footinsdim
8834 \m@make@footstart{v@r}
8835 \bidi@ensure@newcommand{\@footgroupv@r}{%
8836 \newinsert\@mpfootinsv@r
8837 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
8838 \newcount\m@m@k \newdimen\m@m@h
8839 \ifpackageloaded{multicol}{%
8840 \bidi@ensure@newcommand*\{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8841   \hsize\textwidth
8842   \@@line{\ifRTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg

```




```

8843 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8844 }{%
8845 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8846 @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8847 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8848 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8849 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8850 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8851 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8852 \setbox2 \vsplit0 to \dimen0
8853 \unvbox2 }
8854 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8855 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8856 \@bidi@before@Hy@hyperfootnotes
8857 \let\@footnotetext\@twocolfootnotetext
8858 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8859 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8860 \dimen\footinsv@r=2\footinsdim
8861 \count\footinsv@r=500\relax
8862 \m@make@twocol@footgroup{v@r}%
8863 \let\@footgroupv@r\@twocol@footgroupv@r
8864 \let\@mpfootnotetext\@mptwocolfootnotetext
8865 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8866 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8867 \@bidi@after@Hy@hyperfootnotes
8868 \m@make@mptwocol@footgroup{v@r}%
8869 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
8870 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTLfootnote\@RTLtrue%
8871 \def\baselinestretch{\m@m@footnote@spacing}%
8872 \reset@font\foottextfont
8873 \@preamfntext
8874 \protected@edef\@currentlabel{%
8875 \csname p@footnote\endcsname\@thefnmark}%
8876 \color@begingroup
8877 \@twocolfootfmt{#1}%
8878 \color@endgroup}%
8879 \m@mmf@prepare}
8880 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8881 \def\baselinestretch{\m@m@footnote@spacing}%
8882 \reset@font\LTRfoottextfont
8883 \@preamfntext
8884 \protected@edef\@currentlabel{%
8885 \csname p@footnote\endcsname\@thefnmark}%
8886 \color@begingroup
8887 \@twocolLTRfootfmt{#1}%
8888 \color@endgroup}%
8889 \m@mmf@prepare}
8890 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8891 \def\baselinestretch{\m@m@footnote@spacing}%
8892 \reset@font\RTLfoottextfont

```



```

8893 \@preamfntext
8894 \protected@edef\@currentlabel{%
8895   \csname p@footnote\endcsname\@thefnmark}%
8896 \color@begingroup
8897   \@twocolRTLfootfmt{#1}%
8898 \color@endgroup}%
8899 \m@mmf@prepare}
8900 \bidi@ensure@newcommand{\@preamtwofmt}{%
8901   \hspace{.45\hspace}
8902   \parindent=\z@
8903   \tolerance=5000\relax
8904   \leavevmode}
8905 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8906   \@preamtwofmt
8907   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8908 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8909   \@preamtwofmt
8910   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8911 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8912   \@preamtwofmt
8913   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8914 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
8915   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8916     \unvbox\@mpfootinsv@r
8917     \def\baselinestretch{\m@m@footnote@spacing}%
8918     \reset@font\foottextfont
8919     \hspace\columnwidth \@parboxrestore
8920     \protected@edef\@currentlabel{%
8921       \csname p@mpfootnote\endcsname\@thefnmark}%
8922     \color@begingroup
8923       \@twocolfootfmt{#1}%
8924     \color@endgroup}%
8925     \m@mmf@prepare}
8926 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8927   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8928     \unvbox\@mpfootinsv@r
8929     \def\baselinestretch{\m@m@footnote@spacing}%
8930     \reset@font\LTRfoottextfont
8931     \hspace\columnwidth \@parboxrestore
8932     \if@RTLcolumnfootnotes\beginL\fi
8933     \protected@edef\@currentlabel{%
8934       \csname p@mpfootnote\endcsname\@thefnmark}%
8935     \color@begingroup
8936       \@twocolLTRfootfmt{#1}%
8937     \color@endgroup}%
8938     \m@mmf@prepare}
8939 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8940   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8941     \unvbox\@mpfootinsv@r
8942     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

8943 \reset@font\RTLfoottextfont
8944 \hsize\columnwidth \@parboxrestore
8945 \protected@edef\@currentlabel{%
8946 \csname p@mpfootnote\endcsname\@thefnmark}%
8947 \color@begingroup
8948 \@twocolRTLfootfmt{#1}%
8949 \color@endgroup}%
8950 \m@mmf@prepare}
8951 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8952 \m@make@twocolfootnotetext{#1}%
8953 \m@make@mptwocolfootnotetext{#1}%
8954 \m@make@twocolfootfmt{#1}%
8955 \m@make@twocol@footgroup{#1}%
8956 \m@make@mptwocol@footgroup{#1}%
8957 \m@make@footstart{#1}%
8958 \bidi@namelongdef{\footnotetext#1}##1{%
8959 \@nameuse{\twocolfootnotetext#1}{##1}}%
8960 \bidi@namelongdef{\mpfootnotetext#1}##1{%
8961 \@nameuse{\mptwocolfootnotetext#1}{##1}}%
8962 \@namedef{\footgroup#1}{\@nameuse{\twocol@footgroup#1}}%
8963 \@namedef{\mpfootgroup#1}{\@nameuse{\mptwocol@footgroup#1}}%
8964 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8965 \expandafter\count\csname footins#1\endcsname=500\relax}
8966 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
8967 \bidi@namelongdef{\twocolfootnotetext#1}##1{%
8968 \insert\@nameuse{footins#1}{%
8969 \def\baselinestretch{\m@m@footnote@spacing}%
8970 \reset@font\@nameuse{foottextfont#1}%
8971 \@preamfntext
8972 \protected@edef\@currentlabel{%
8973 \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
8974 \color@begingroup
8975 \@nameuse{\twocolfootfmt#1}{##1}%
8976 \color@endgroup}%
8977 \m@mmf@prepare}}
8978 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
8979 \bidi@namelongdef{\mptwocolfootnotetext#1}##1{%
8980 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
8981 \unvbox\@nameuse{\mpfootins#1}
8982 \def\baselinestretch{\m@m@footnote@spacing}%
8983 \reset@font\@nameuse{foottextfont#1}%
8984 \hsize\columnwidth \@parboxrestore
8985 \protected@edef\@currentlabel{%
8986 \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
8987 \color@begingroup
8988 \@nameuse{\twocolfootfmt#1}{##1}%
8989 \color@endgroup}\m@mmf@prepare}}
8990 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
8991 \@namedef{\twocolfootfmt#1}##1{%
8992 \@preamtwofmt

```



```

8993   {\@nameuse{footfootmark#1}\strut
8994   {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8995 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
8996   \@namedef{@twocol@footgroup#1}{%
8997     \def\baselinestretch{\m@m@footnote@spacing}%
8998     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8999     \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
9000 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
9001   \@namedef{@mptwocol@footgroup#1}{%
9002     \def\baselinestretch{\m@m@footnote@spacing}%
9003     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9004     \m@mrigidbalance{\@nameuse{mpfootins#1}}{\tw@}{\splittopskip}}}}
9005 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
9006   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9007   \@bidi@before@Hy@hyperfootnotes
9008   \let\@footnotetext\@threecolfootnotetext
9009   \let\@LTRfootnotetext\@threecolLTRfootnotetext
9010   \let\@RTLfootnotetext\@threecolRTLfootnotetext
9011   \dimen\footinsv@r=3\footinsdim
9012   \count\footinsv@r=333\relax
9013   \m@make@threecol@footgroup{v@r}%
9014   \let\@footgroupv@r\@threecol@footgroupv@r
9015   \let\@mpfootnotetext\@mpthreecolfootnotetext
9016   \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
9017   \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
9018   \@bidi@after@Hy@hyperfootnotes
9019   \m@make@mpthreecol@footgroup{v@r}%
9020   \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
9021 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9022   \def\baselinestretch{\m@m@footnote@spacing}%
9023   \reset@font\foottextfont
9024   \@preamfntext
9025   \protected@edef\@currentlabel{%
9026     \csname p@footnote\endcsname\@thefnmark}%
9027   \color@begingroup
9028     \@threecolfootfmt{#1}%
9029   \color@endgroup}\m@mmf@prepare}
9030 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9031   \def\baselinestretch{\m@m@footnote@spacing}%
9032   \reset@font\LTRfoottextfont
9033   \@preamfntext
9034   \protected@edef\@currentlabel{%
9035     \csname p@footnote\endcsname\@thefnmark}%
9036   \color@begingroup
9037     \@threecolLTRfootfmt{#1}%
9038   \color@endgroup}\m@mmf@prepare}
9039 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9040   \def\baselinestretch{\m@m@footnote@spacing}%
9041   \reset@font\RTLfoottextfont
9042   \@preamfntext

```



```

9043 \protected@edef\@currentlabel{%
9044   \csname p@footnote\endcsname\@thefnmark}%
9045 \color@begingroup
9046   \@threecolRTLfootfmt{#1}%
9047 \color@endgroup}\m@mmf@prepare}
9048 \bidi@ensure@newcommand{\@preamthreefmt}{%
9049   \hspace{.3\hspace}
9050   \parindent=\z@
9051   \tolerance=5000\relax
9052   \leavevmode}
9053 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9054   \@preamthreefmt
9055   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9056 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9057   \@preamthreefmt
9058   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9059 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9060   \@preamthreefmt
9061   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9062 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
9063   \global\setbox\@mpfootins\@r\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9064     \unvbox\@mpfootins\@r
9065     \def\baselinestretch{\m@mm@footnote@spacing}%
9066     \reset@font\foottextfont
9067     \hspace\columnwidth \@parboxrestore
9068     \protected@edef\@currentlabel{%
9069       \csname p@mpfootnote\endcsname\@thefnmark}%
9070     \color@begingroup
9071       \@threecolfootfmt{#1}%
9072     \color@endgroup}\m@mmf@prepare}
9073 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9074   \global\setbox\@mpfootins\@r\@vbox{\@RTLfalse%
9075     \unvbox\@mpfootins\@r
9076     \def\baselinestretch{\m@mm@footnote@spacing}%
9077     \reset@font\LTRfoottextfont
9078     \hspace\columnwidth \@parboxrestore
9079     \if@RTLcolumnfootnotes\beginL\fi
9080     \protected@edef\@currentlabel{%
9081       \csname p@mpfootnote\endcsname\@thefnmark}%
9082     \color@begingroup
9083       \@threecolLTRfootfmt{#1}%
9084     \color@endgroup}\m@mmf@prepare}
9085 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
9086   \global\setbox\@mpfootins\@r\@vbox{\@RTLtrue%
9087     \unvbox\@mpfootins\@r
9088     \def\baselinestretch{\m@mm@footnote@spacing}%
9089     \reset@font\RTLfoottextfont
9090     \hspace\columnwidth \@parboxrestore
9091     \protected@edef\@currentlabel{%
9092       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9093 \color@begingroup
9094   \@threecolRTLfootfmt{#1}%
9095 \color@endgroup}\m@mmf@prepare}
9096 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
9097   \m@make@threecolfootnotetext{#1}%
9098   \m@make@mpthreecolfootnotetext{#1}%
9099   \m@make@threecolfootfmt{#1}%
9100   \m@make@threecol@footgroup{#1}%
9101   \m@make@mpthreecol@footgroup{#1}%
9102   \m@make@footstart{#1}%
9103   \bidi@namelongdef{@footnotetext#1}##1{%
9104     \@nameuse{@threecolfootnotetext#1}{##1}}%
9105   \bidi@namelongdef{@mpfootnotetext#1}##1{%
9106     \@nameuse{@mpthreecolfootnotetext#1}{##1}}%
9107   \@namedef{@footgroup#1}{\@nameuse{@threecol@footgroup#1}}%
9108   \@namedef{@mpfootgroup#1}{\@nameuse{@mpthreecol@footgroup#1}}%
9109   \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
9110   \expandafter\count\csname footins#1\endcsname=333\relax}
9111 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
9112 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
9113   \insert\@nameuse{footins#1}{%
9114     \def\baselinestretch{\m@m@footnote@spacing}%
9115     \reset@font\@nameuse{foottextfont#1}%
9116     \@preamfntext
9117     \protected@edef\@currentlabel{%
9118       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9119     \color@begingroup
9120       \@nameuse{@threecolfootfmt#1}{##1}%
9121     \color@endgroup}\m@mmf@prepare}}
9122 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
9123 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
9124   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9125     \unvbox\@nameuse{@mpfootins#1}
9126     \def\baselinestretch{\m@m@footnote@spacing}%
9127     \reset@font\@nameuse{foottextfont#1}%
9128     \hsize\columnwidth \@parboxrestore
9129     \protected@edef\@currentlabel{%
9130       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9131     \color@begingroup
9132       \@nameuse{@threecolfootfmt#1}{##1}%
9133     \color@endgroup}\m@mmf@prepare}}
9134 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
9135 \bidi@namelongdef{@threecolfootfmt#1}##1{%
9136   \@preamthreefmt
9137   {\@nameuse{footfootmark#1}\strut
9138    {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9139 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9140 \@namedef{@threecol@footgroup#1}{%
9141   \def\baselinestretch{\m@m@footnote@spacing}%
9142   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

9143 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
9144 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9145 \@namedef{@mpthreecol@footgroup#1}{%
9146 \def\baselinestretch{\m@footnote@spacing}%
9147 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9148 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}}
9149 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9150 \@namedef{foottextfont#1}{\foottextfont}% % [RS]
9151 \@bidi@before@Hy@hyperfootnotes
9152 \let\@footnotetext\@fourcolfootnotetext
9153 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9154 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9155 \dimen\footinsv@r=4\footinsdim
9156 \count\footinsv@r=250\relax
9157 \m@make@fourcol@footgroup{v@r}%
9158 \let\@footgroupv@r\@fourcol@footgroupv@r
9159 \let\@mpfootnotetext\@mpfourcolfootnotetext
9160 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9161 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9162 \@bidi@after@Hy@hyperfootnotes
9163 \m@make@mpfourcol@footgroup{v@r}%
9164 \let\@mp@footgroupv@r\@mpfourcol@footgroupv@r}
9165 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9166 \def\baselinestretch{\m@footnote@spacing}%
9167 \reset@font\foottextfont
9168 \@preamfntext
9169 \protected@edef\@currentlabel{%
9170 \csname p@footnote\endcsname\@thefnmark}%
9171 \color@begingroup
9172 \@fourcolfootfmt{#1}%
9173 \color@endgroup}%
9174 \m@mmf@prepare}
9175 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9176 \def\baselinestretch{\m@footnote@spacing}%
9177 \reset@font\LTRfoottextfont
9178 \@preamfntext
9179 \protected@edef\@currentlabel{%
9180 \csname p@footnote\endcsname\@thefnmark}%
9181 \color@begingroup
9182 \@fourcolLTRfootfmt{#1}%
9183 \color@endgroup}%
9184 \m@mmf@prepare}
9185 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9186 \def\baselinestretch{\m@footnote@spacing}%
9187 \reset@font\RTLfoottextfont
9188 \@preamfntext
9189 \protected@edef\@currentlabel{%
9190 \csname p@footnote\endcsname\@thefnmark}%
9191 \color@begingroup
9192 \@fourcolRTLfootfmt{#1}%

```



```

9193 \color@endgroup}%
9194 \m@mmf@prepare}
9195 \bidi@ensure@newcommand{\@preamfourfmt}{%
9196 \hspace .25\hspace
9197 \parindent=\z@
9198 \tolerance=5000\relax
9199 \leavevmode}
9200 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9201 \@preamfourfmt
9202 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9203 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9204 \@preamfourfmt
9205 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9206 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9207 \@preamfourfmt
9208 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9209 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9210 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9211 \unvbox\@mpfootinsv@r
9212 \def\baselinestretch{\m@m@footnote@spacing}%
9213 \reset@font\foottextfont
9214 \hspace\columnwidth \@parboxrestore
9215 \protected@edef\@currentlabel{%
9216 \csname p@mpfootnote\endcsname\@thefnmark}%
9217 \color@begingroup
9218 \@fourcolfootfmt{#1}%
9219 \color@endgroup}%
9220 \m@mmf@prepare}
9221 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9222 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9223 \unvbox\@mpfootinsv@r
9224 \def\baselinestretch{\m@m@footnote@spacing}%
9225 \reset@font\LTRfoottextfont
9226 \hspace\columnwidth \@parboxrestore
9227 \if@RTLcolumnfootnotes\beginL\fi
9228 \protected@edef\@currentlabel{%
9229 \csname p@mpfootnote\endcsname\@thefnmark}%
9230 \color@begingroup
9231 \@fourcolLTRfootfmt{#1}%
9232 \color@endgroup}%
9233 \m@mmf@prepare}
9234 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9235 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9236 \unvbox\@mpfootinsv@r
9237 \def\baselinestretch{\m@m@footnote@spacing}%
9238 \reset@font\RTLfoottextfont
9239 \hspace\columnwidth \@parboxrestore
9240 \protected@edef\@currentlabel{%
9241 \csname p@mpfootnote\endcsname\@thefnmark}%
9242 \color@begingroup

```




```

9243 \@fourcolRTLfootfmt{#1}%
9244 \color@endgroup}%
9245 \m@mmf@prepare}
9246 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
9247 \m@make@fourcolfootnotetext{#1}%
9248 \m@make@mpfourcolfootnotetext{#1}%
9249 \m@make@fourcolfootfmt{#1}%
9250 \m@make@fourcol@footgroup{#1}%
9251 \m@make@mpfourcol@footgroup{#1}%
9252 \m@make@footstart{#1}%
9253 \bidi@namelongdef{@footnotetext#1}##1{%
9254 \nameuse{@fourcolfootnotetext#1}{##1}}%
9255 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9256 \nameuse{@mpfourcolfootnotetext#1}{##1}}%
9257 \namedef{@footgroup#1}{\nameuse{@fourcol@footgroup#1}}%
9258 \namedef{@mpfootgroup#1}{\nameuse{@mpfourcol@footgroup#1}}%
9259 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9260 \expandafter\count\csname footins#1\endcsname=500\relax}
9261 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
9262 \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
9263 \insert\@nameuse{footins#1}{%
9264 \def\baselinestretch{\m@m@footnote@spacing}%
9265 \reset@font\@nameuse{foottextfont#1}%
9266 \preamfntext
9267 \protected@edef\@currentlabel{%
9268 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9269 \color@begingroup
9270 \@nameuse{@fourcolfootfmt#1}{##1}%
9271 \color@endgroup}%
9272 \m@mmf@prepare}}
9273 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
9274 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
9275 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9276 \unvbox\@nameuse{@mpfootins#1}
9277 \def\baselinestretch{\m@m@footnote@spacing}%
9278 \reset@font\@nameuse{foottextfont#1}%
9279 \hsize\columnwidth \@parboxrestore
9280 \protected@edef\@currentlabel{%
9281 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9282 \color@begingroup
9283 \@nameuse{@fourcolfootfmt#1}{##1}%
9284 \color@endgroup}\m@mmf@prepare}}
9285 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
9286 \namedef{@fourcolfootfmt#1}##1{%
9287 \preamfourfmt
9288 {\@nameuse{footfootmark#1}\strut
9289 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9290 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9291 \namedef{@fourcol@footgroup#1}{%
9292 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9293 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9294 \m@rigrigidbodybalance{\nameuse{footins#1}}{4}{\splittopskip}}}}
9295 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9296 \namedef{mpfourcol@footgroup#1}{%
9297 \def\baselinestretch{\m@footnote@spacing}%
9298 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9299 \m@rigrigidbodybalance{\nameuse{mpfootins#1}}{4}{\splittopskip}}}}
9300 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9301 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9302 \@bidi@before@Hy@hyperfootnotes
9303 \let\@footnotetext\@fivecolfootnotetext
9304 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9305 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9306 \dimen\footinsv@r=5\footinsdim
9307 \count\footinsv@r=200\relax
9308 \m@make@fivecol@footgroup{v@r}%
9309 \let\@footgroupv@r\@fivecol@footgroupv@r
9310 \let\@mpfootnotetext\@mpfivecolfootnotetext
9311 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9312 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9313 \@bidi@after@Hy@hyperfootnotes
9314 \m@make@mpfivecol@footgroup{v@r}%
9315 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
9316 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9317 \def\baselinestretch{\m@footnote@spacing}%
9318 \reset@font\foottextfont
9319 \@preamfntext
9320 \protected@edef\@currentlabel{%
9321 \csname p@footnote\endcsname\@thefnmark}%
9322 \color@begingroup
9323 \@fivecolfootfmt{#1}%
9324 \color@endgroup}%
9325 \m@mmf@prepare}
9326 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9327 \def\baselinestretch{\m@footnote@spacing}%
9328 \reset@font\LTRfoottextfont
9329 \@preamfntext
9330 \protected@edef\@currentlabel{%
9331 \csname p@footnote\endcsname\@thefnmark}%
9332 \color@begingroup
9333 \@fivecolLTRfootfmt{#1}%
9334 \color@endgroup}%
9335 \m@mmf@prepare}
9336 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9337 \def\baselinestretch{\m@footnote@spacing}%
9338 \reset@font\RTLfoottextfont
9339 \@preamfntext
9340 \protected@edef\@currentlabel{%
9341 \csname p@footnote\endcsname\@thefnmark}%
9342 \color@begingroup

```



```

9343 \@fivecolRTLfootfmt{#1}%
9344 \color@endgroup}%
9345 \m@mmf@prepare}
9346 \bidi@ensure@newcommand{\@preamfivefmt}{%
9347 \hsize .2\hsize
9348 \parindent=\z@
9349 \tolerance=5000\relax
9350 \leavevmode}
9351 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9352 \@preamfivefmt
9353 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9354 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9355 \@preamfivefmt
9356 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9357 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9358 \@preamfivefmt
9359 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9360 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9361 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9362 \unvbox\@mpfootinsv@r
9363 \def\baselinestretch{\m@m@footnote@spacing}%
9364 \reset@font\foottextfont
9365 \hsize\columnwidth \@parboxrestore
9366 \protected@edef\@currentlabel{%
9367 \csname p@mpfootnote\endcsname\@thefnmark}%
9368 \color@begingroup
9369 \@fivecolfootfmt{#1}%
9370 \color@endgroup}%
9371 \m@mmf@prepare}
9372 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9373 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9374 \unvbox\@mpfootinsv@r
9375 \def\baselinestretch{\m@m@footnote@spacing}%
9376 \reset@font\LTRfoottextfont
9377 \hsize\columnwidth \@parboxrestore
9378 \if@RTLcolumnfootnotes\beginL\fi
9379 \protected@edef\@currentlabel{%
9380 \csname p@mpfootnote\endcsname\@thefnmark}%
9381 \color@begingroup
9382 \@fivecolLTRfootfmt{#1}%
9383 \color@endgroup}%
9384 \m@mmf@prepare}
9385 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9386 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9387 \unvbox\@mpfootinsv@r
9388 \def\baselinestretch{\m@m@footnote@spacing}%
9389 \reset@font\RTLfoottextfont
9390 \hsize\columnwidth \@parboxrestore
9391 \protected@edef\@currentlabel{%
9392 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

9393 \color@begingroup
9394 \@fivecolRTLfootfmt{#1}%
9395 \color@endgroup}%
9396 \m@mmf@prepare}
9397 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
9398 \m@make@fivecolfootnotetext{#1}%
9399 \m@make@mpfivecolfootnotetext{#1}%
9400 \m@make@fivecolfootfmt{#1}%
9401 \m@make@fivecol@footgroup{#1}%
9402 \m@make@mpfivecol@footgroup{#1}%
9403 \m@make@footstart{#1}%
9404 \bidi@namelongdef{\footnotetext#1}##1{%
9405 \@nameuse{\@fivecolfootnotetext#1}{##1}}%
9406 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9407 \@nameuse{\@mpfivecolfootnotetext#1}{##1}}%
9408 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
9409 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfivecol@footgroup#1}}%
9410 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9411 \expandafter\count\csname footins#1\endcsname=500\relax}
9412 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
9413 \bidi@namelongdef{\@fivecolfootnotetext#1}##1{%
9414 \insert\@nameuse{\footins#1}{%
9415 \def\baselinestretch{\m@m@footnote@spacing}%
9416 \reset@font\@nameuse{\foottextfont#1}%
9417 \preamfntext
9418 \protected@edef\@currentlabel{%
9419 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9420 \color@begingroup
9421 \@nameuse{\@fivecolfootfmt#1}{##1}%
9422 \color@endgroup}%
9423 \m@mmf@prepare}}
9424 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
9425 \bidi@namelongdef{\@mpfivecolfootnotetext#1}##1{%
9426 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9427 \unvbox\@nameuse{\@mpfootins#1}
9428 \def\baselinestretch{\m@m@footnote@spacing}%
9429 \reset@font\@nameuse{\foottextfont#1}%
9430 \hsize\columnwidth \@parboxrestore
9431 \protected@edef\@currentlabel{%
9432 \csname p@mpfootnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9433 \color@begingroup
9434 \@nameuse{\@fivecolfootfmt#1}{##1}%
9435 \color@endgroup}\m@mmf@prepare}}
9436 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
9437 \@namedef{\@fivecolfootfmt#1}##1{%
9438 \@preamfivefmt
9439 {\@nameuse{\footfootmark#1}\strut
9440 {\@nameuse{\foottextfont#1}##1}\strut\par}\allowbreak}}
9441 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9442 \@namedef{\@fivecol@footgroup#1}{%

```



```

9443 \def\baselinestretch{\m@m@footnote@spacing}%
9444 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9445 \m@mrigidbodybalance{\nameuse{footins#1}}{5}{\splittopskip}}}}
9446 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9447 \namedef{@mpfivecol@footgroup#1}{%
9448 \def\baselinestretch{\m@m@footnote@spacing}%
9449 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9450 \m@mrigidbodybalance{\nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
9451 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9452 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9453 \@bidi@before@Hy@hyperfootnotes
9454 \let\@footnotetext\@sixcolfootnotetext
9455 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9456 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9457 \dimen\footinsv@r=6\footinsdim
9458 \count\footinsv@r=166\relax
9459 \m@make@sixcol@footgroup{v@r}%
9460 \let\@footgroupv@r\@sixcol@footgroupv@r
9461 \let\@mpfootnotetext\@mpsixcolfootnotetext
9462 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9463 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9464 \@bidi@after@Hy@hyperfootnotes
9465 \m@make@mpsixcol@footgroup{v@r}%
9466 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
9467 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9468 \def\baselinestretch{\m@m@footnote@spacing}%
9469 \reset@font\foottextfont
9470 \@preamfntext
9471 \protected@edef\@currentlabel{%
9472 \csname p@footnote\endcsname\@thefnmark}%
9473 \color@begingroup
9474 \@sixcolfootfmt{#1}%
9475 \color@endgroup}%
9476 \m@mmf@prepare}
9477 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9478 \def\baselinestretch{\m@m@footnote@spacing}%
9479 \reset@font\LTRfoottextfont
9480 \@preamfntext
9481 \protected@edef\@currentlabel{%
9482 \csname p@footnote\endcsname\@thefnmark}%
9483 \color@begingroup
9484 \@sixcolLTRfootfmt{#1}%
9485 \color@endgroup}%
9486 \m@mmf@prepare}
9487 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9488 \def\baselinestretch{\m@m@footnote@spacing}%
9489 \reset@font\RTLfoottextfont
9490 \@preamfntext
9491 \protected@edef\@currentlabel{%
9492 \csname p@footnote\endcsname\@thefnmark}%

```



```

9493 \color@begingroup
9494 \@sixcolRTLfootfmt{#1}%
9495 \color@endgroup}%
9496 \m@mmf@prepare}
9497 \bidi@ensure@newcommand{\@preamsixfmt}{%
9498 \hsize .16\hsize
9499 \parindent=\z@
9500 \tolerance=5000\relax
9501 \leavevmode}
9502 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9503 \@preamsixfmt
9504 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9505 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9506 \@preamsixfmt
9507 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9508 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9509 \@preamsixfmt
9510 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9511 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
9512 \global\setbox\@mpfootinsv@r\vbox{%
9513 \unvbox\@mpfootinsv@r
9514 \def\baselinestretch{\m@m@footnote@spacing}%
9515 \reset@font\foottextfont
9516 \hsize\columnwidth \@parboxrestore
9517 \protected@edef\@currentlabel{%
9518 \csname p@mpfootnote\endcsname\@thefnmark}%
9519 \color@begingroup
9520 \@sixcolfootfmt{#1}%
9521 \color@endgroup}%
9522 \m@mmf@prepare}
9523 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
9524 \global\setbox\@mpfootinsv@r\vbox{%
9525 \unvbox\@mpfootinsv@r
9526 \def\baselinestretch{\m@m@footnote@spacing}%
9527 \reset@font\LTRfoottextfont
9528 \hsize\columnwidth \@parboxrestore
9529 \if@RTLcolumnfootnotes\beginL\fi
9530 \protected@edef\@currentlabel{%
9531 \csname p@mpfootnote\endcsname\@thefnmark}%
9532 \color@begingroup
9533 \@sixcolLTRfootfmt{#1}%
9534 \color@endgroup}%
9535 \m@mmf@prepare}
9536 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
9537 \global\setbox\@mpfootinsv@r\vbox{%
9538 \unvbox\@mpfootinsv@r
9539 \def\baselinestretch{\m@m@footnote@spacing}%
9540 \reset@font\RTLfoottextfont
9541 \hsize\columnwidth \@parboxrestore
9542 \protected@edef\@currentlabel{%

```



```

9543 \csname p@mpfootnote\endcsname\@thefnmark}%
9544 \color@begingroup
9545 \@sixcolRTLfootfmt{#1}%
9546 \color@endgroup}%
9547 \m@mmf@prepare}
9548 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
9549 \m@make@sixcolfootnotetext{#1}%
9550 \m@make@mpsixcolfootnotetext{#1}%
9551 \m@make@sixcolfootfmt{#1}%
9552 \m@make@sixcol@footgroup{#1}%
9553 \m@make@mpsixcol@footgroup{#1}%
9554 \m@make@footstart{#1}%
9555 \bidi@namelongdef{\footnotetext#1}##1{%
9556 \@nameuse{\@sixcolfootnotetext#1}{##1}}%
9557 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9558 \@nameuse{\mpsixcolfootnotetext#1}{##1}}%
9559 \@namedef{\@footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%
9560 \@namedef{\mp@footgroup#1}{\@nameuse{\mpsixcol@footgroup#1}}%
9561 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9562 \expandafter\count\csname footins#1\endcsname=500\relax}
9563 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
9564 \bidi@namelongdef{\@sixcolfootnotetext#1}##1{%
9565 \insert\@nameuse{\footins#1}{%
9566 \def\baselinestretch{\m@m@footnote@spacing}%
9567 \reset@font\@nameuse{\foottextfont#1}%
9568 \@preamfntext
9569 \protected@edef\@currentlabel{%
9570 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9571 \color@begingroup
9572 \@nameuse{\@sixcolfootfmt#1}{##1}%
9573 \color@endgroup}%
9574 \m@mmf@prepare}}
9575 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9576 \bidi@namelongdef{\@mpsixcolfootnotetext#1}##1{%
9577 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9578 \unvbox\@nameuse{\mpfootins#1}
9579 \def\baselinestretch{\m@m@footnote@spacing}%
9580 \reset@font\@nameuse{\foottextfont#1}%
9581 \hsize\columnwidth \@parboxrestore
9582 \protected@edef\@currentlabel{%
9583 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9584 \color@begingroup
9585 \@nameuse{\@sixcolfootfmt#1}{##1}%
9586 \color@endgroup}\m@mmf@prepare}}
9587 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9588 \@namedef{\@sixcolfootfmt#1}##1{%
9589 \@preamsixfmt
9590 {\@nameuse{\footfootmark#1}\strut
9591 {\@nameuse{\foottextfont#1}##1}\strut\par}\allowbreak}}
9592 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%

```



```

9593 \namedef{@sixcol@footgroup#1}{%
9594 \def\baselinestretch{\m@m@footnote@spacing}%
9595 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9596 \m@r@rigidbalance{\nameuse{footins#1}}{6}{\splittopskip}}}%
9597 \bidi@ensure@newcommand{\m@make@mps@sixcol@footgroup}[1]{%
9598 \namedef{@mps@sixcol@footgroup#1}{%
9599 \def\baselinestretch{\m@m@footnote@spacing}%
9600 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9601 \m@r@rigidbalance{\nameuse{@mp@footins#1}}{6}{\splittopskip}}}%
9602 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9603 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9604 \@bidi@before@Hy@hyperfootnotes
9605 \let\@footnotetext\@sevendcolfootnotetext
9606 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9607 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9608 \dimen\footinsv@r=7\footinsdim
9609 \count\footinsv@r=142\relax
9610 \m@make@sevendcol@footgroup{v@r}%
9611 \let\@footgroupv@r\@sevendcol@footgroupv@r
9612 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9613 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9614 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9615 \@bidi@after@Hy@hyperfootnotes
9616 \m@make@mpsevendcol@footgroup{v@r}%
9617 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
9618 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9619 \def\baselinestretch{\m@m@footnote@spacing}%
9620 \reset@font\foottextfont
9621 \@preamfntext
9622 \protected@edef\@currentlabel{%
9623 \csname p@footnote\endcsname\@thefnmark}%
9624 \color@begingroup
9625 \@sevendcolfootfmt{#1}%
9626 \color@endgroup}%
9627 \m@mmf@prepare}
9628 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
9629 \def\baselinestretch{\m@m@footnote@spacing}%
9630 \reset@font\LTRfoottextfont
9631 \@preamfntext
9632 \protected@edef\@currentlabel{%
9633 \csname p@footnote\endcsname\@thefnmark}%
9634 \color@begingroup
9635 \@sevendcolLTRfootfmt{#1}%
9636 \color@endgroup}%
9637 \m@mmf@prepare}
9638 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9639 \def\baselinestretch{\m@m@footnote@spacing}%
9640 \reset@font\RTLfoottextfont
9641 \@preamfntext
9642 \protected@edef\@currentlabel{%

```




```

9643 \csname p@footnote\endcsname\@thefnmark}%
9644 \color@begingroup
9645 \@sevenscolRTLfootfmt{#1}%
9646 \color@endgroup}%
9647 \m@mmf@prepare}
9648 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9649 \hsize .142\hsize
9650 \parindent=\z@
9651 \tolerance=5000\relax
9652 \leavevmode}
9653 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
9654 \@preamsevenfmt
9655 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9656 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
9657 \@preamsevenfmt
9658 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9659 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
9660 \@preamsevenfmt
9661 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9662 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse}
9663 \global\setbox\@mpfootinsv@r\vbox{%
9664 \unvbox\@mpfootinsv@r
9665 \def\baselinestretch{\m@m@footnote@spacing}%
9666 \reset@font\foottextfont
9667 \hsize\columnwidth \@parboxrestore
9668 \protected@edef\@currentlabel{%
9669 \csname p@mpfootnote\endcsname\@thefnmark}%
9670 \color@begingroup
9671 \@sevenscolfootfmt{#1}%
9672 \color@endgroup}%
9673 \m@mmf@prepare}
9674 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
9675 \global\setbox\@mpfootinsv@r\vbox{%
9676 \unvbox\@mpfootinsv@r
9677 \def\baselinestretch{\m@m@footnote@spacing}%
9678 \reset@font\LTRfoottextfont
9679 \hsize\columnwidth \@parboxrestore
9680 \if@RTLcolumnfootnotes\beginL\fi
9681 \protected@edef\@currentlabel{%
9682 \csname p@mpfootnote\endcsname\@thefnmark}%
9683 \color@begingroup
9684 \@sevenscolLTRfootfmt{#1}%
9685 \color@endgroup}%
9686 \m@mmf@prepare}
9687 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
9688 \global\setbox\@mpfootinsv@r\vbox{%
9689 \unvbox\@mpfootinsv@r
9690 \def\baselinestretch{\m@m@footnote@spacing}%
9691 \reset@font\RTLfoottextfont
9692 \hsize\columnwidth \@parboxrestore

```



```

9693 \protected@edef\@currentlabel{%
9694 \csname p@mpfootnote\endcsname\@thefnmark}%
9695 \color@begingroup
9696 \@sevenscolRTLfootfmt{#1}%
9697 \color@endgroup}%
9698 \m@mmf@prepare}
9699 \bidi@ensure@newcommand{\sevenscolumnfootstyle}[1]{%
9700 \m@make@sevenscolfootnotetext{#1}%
9701 \m@make@mpsevenscolfootnotetext{#1}%
9702 \m@make@sevenscolfootfmt{#1}%
9703 \m@make@sevenscol@footgroup{#1}%
9704 \m@make@mpsevenscol@footgroup{#1}%
9705 \m@make@footstart{#1}%
9706 \bidi@namelongdef\@footnotetext#1##1{%
9707 \@nameuse{\@sevenscolfootnotetext#1}{##1}}%
9708 \bidi@namelongdef\@mpfootnotetext#1##1{%
9709 \@nameuse{\@mpsevenscolfootnotetext#1}{##1}}%
9710 \@namedef{\@footgroup#1}{\@nameuse{\@sevenscol@footgroup#1}}%
9711 \@namedef{\@mpfootgroup#1}{\@nameuse{\@mpsevenscol@footgroup#1}}%
9712 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9713 \expandafter\count\csname footins#1\endcsname=500\relax}
9714 \bidi@ensure@newcommand{\m@make@sevenscolfootnotetext}[1]{%
9715 \bidi@namelongdef\@sevenscolfootnotetext#1##1{%
9716 \insert\@nameuse{\footins#1}{%
9717 \def\baselinestretch{\m@mm@footnote@spacing}%
9718 \reset@font\@nameuse{\foottextfont#1}%
9719 \@preamfntext
9720 \protected@edef\@currentlabel{%
9721 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
9722 \color@begingroup
9723 \@nameuse{\@sevenscolfootfmt#1}{##1}%
9724 \color@endgroup}%
9725 \m@mmf@prepare}}
9726 \bidi@ensure@newcommand{\m@make@mpsevenscolfootnotetext}[1]{%
9727 \bidi@namelongdef\@mpsevenscolfootnotetext#1##1{%
9728 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
9729 \unvbox\@nameuse{\@mpfootins#1}
9730 \def\baselinestretch{\m@mm@footnote@spacing}%
9731 \reset@font\@nameuse{\foottextfont#1}%
9732 \hsize\columnwidth \@parboxrestore
9733 \protected@edef\@currentlabel{%
9734 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
9735 \color@begingroup
9736 \@nameuse{\@sevenscolfootfmt#1}{##1}%
9737 \color@endgroup}\m@mmf@prepare}}
9738 \bidi@ensure@newcommand{\m@make@sevenscolfootfmt}[1]{%
9739 \@namedef{\@sevenscolfootfmt#1##1{%
9740 \@preamsevenfmt
9741 {\@nameuse{\footfootmark#1}\strut
9742 {\@nameuse{\foottextfont#1}{##1}\strut\par}\allowbreak}}

```



```

9743 \bidi@ensure@newcommand{\m@make@sevenscol@footgroup}[1]{%
9744   \namedef{@sevenscol@footgroup#1}{%
9745     \def\baselinestretch{\m@m@footnote@spacing}%
9746     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9747     \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
9748 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
9749   \namedef{@mpsevenscol@footgroup#1}{%
9750     \def\baselinestretch{\m@m@footnote@spacing}%
9751     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9752     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}%
9753 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9754   \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9755   \@bidi@before@Hy@hyperfootnotes
9756   \let\@footnotetext\@eightcolfootnotetext
9757   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9758   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9759   \dimen\footinsv@r=8\footinsdim
9760   \count\footinsv@r=125\relax
9761   \m@make@eightcol@footgroup{v@r}%
9762   \let\@footgroupv@r\@eightcol@footgroupv@r
9763   \let\@mpfootnotetext\@mpeightcolfootnotetext
9764   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9765   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9766   \@bidi@after@Hy@hyperfootnotes
9767   \m@make@mpeightcol@footgroup{v@r}%
9768   \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9769 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9770   \def\baselinestretch{\m@m@footnote@spacing}%
9771   \reset@font\foottextfont
9772   \@preamfntext
9773   \protected@edef\@currentlabel{%
9774     \csname p@footnote\endcsname\@thefnmark}%
9775   \color@begingroup
9776     \@eightcolfootfmt{#1}%
9777   \color@endgroup}%
9778   \m@mmf@prepare}
9779 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
9780   \def\baselinestretch{\m@m@footnote@spacing}%
9781   \reset@font\LTRfoottextfont
9782   \@preamfntext
9783   \protected@edef\@currentlabel{%
9784     \csname p@footnote\endcsname\@thefnmark}%
9785   \color@begingroup
9786     \@eightcolLTRfootfmt{#1}%
9787   \color@endgroup}%
9788   \m@mmf@prepare}
9789 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9790   \def\baselinestretch{\m@m@footnote@spacing}%
9791   \reset@font\RTLfoottextfont
9792   \@preamfntext

```



```

9793 \protected@edef\@currentlabel{%
9794   \csname p@footnote\endcsname\@thefnmark}%
9795 \color@begingroup
9796   \@eightcolRTLfootfmt{#1}%
9797 \color@endgroup}%
9798 \m@mmf@prepare}
9799 \bidi@ensure@newcommand{\@preameightfmt}{%
9800   \hspace{.125\hspace}
9801   \parindent=\z@
9802   \tolerance=5000\relax
9803   \leavevmode}
9804 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9805   \@preameightfmt
9806   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9807 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9808   \@preameightfmt
9809   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9810 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9811   \@preameightfmt
9812   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9813 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9814   \global\setbox\@mpfootinsv\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9815     \unvbox\@mpfootinsv}
9816   \def\baselinestretch{\m@mm@footnote@spacing}%
9817   \reset@font\foottextfont
9818   \hspace\columnwidth \@parboxrestore
9819   \protected@edef\@currentlabel{%
9820     \csname p@mpfootnote\endcsname\@thefnmark}%
9821   \color@begingroup
9822     \@eightcolfootfmt{#1}%
9823   \color@endgroup}%
9824   \m@mmf@prepare}
9825 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9826   \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
9827     \unvbox\@mpfootinsv}
9828   \def\baselinestretch{\m@mm@footnote@spacing}%
9829   \reset@font\LTRfoottextfont
9830   \hspace\columnwidth \@parboxrestore
9831   \if@RTLcolumnfootnotes\beginL\fi
9832   \protected@edef\@currentlabel{%
9833     \csname p@mpfootnote\endcsname\@thefnmark}%
9834   \color@begingroup
9835     \@eightcolLTRfootfmt{#1}%
9836   \color@endgroup}%
9837   \m@mmf@prepare}
9838 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9839   \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
9840     \unvbox\@mpfootinsv}
9841   \def\baselinestretch{\m@mm@footnote@spacing}%
9842   \reset@font\RTLfoottextfont

```



```

9843 \hsize\columnwidth \@parboxrestore
9844 \protected@edef\@currentlabel{%
9845 \csname p@mpfootnote\endcsname\@thefnmark}%
9846 \color@begingroup
9847 \@eightcolRTLfootfmt{#1}%
9848 \color@endgroup}%
9849 \m@mmf@prepare}
9850 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9851 \m@make@eightcolfootnotetext{#1}%
9852 \m@make@mpeightcolfootnotetext{#1}%
9853 \m@make@eightcolfootfmt{#1}%
9854 \m@make@eightcol@footgroup{#1}%
9855 \m@make@mpeightcol@footgroup{#1}%
9856 \m@make@footstart{#1}%
9857 \bidi@namelongdef{\footnotetext#1}##1{%
9858 \nameuse{\eightcolfootnotetext#1}{##1}}%
9859 \bidi@namelongdef{\mpfootnotetext#1}##1{%
9860 \nameuse{\mpeightcolfootnotetext#1}{##1}}%
9861 \namedef{\@footgroup#1}{\nameuse{\eightcol@footgroup#1}}%
9862 \namedef{\mp@footgroup#1}{\nameuse{\mpeightcol@footgroup#1}}%
9863 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9864 \expandafter\count\csname footins#1\endcsname=500\relax}
9865 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9866 \bidi@namelongdef{\eightcolfootnotetext#1}##1{%
9867 \insert\@nameuse{footins#1}{%
9868 \def\baselinestretch{\m@m@footnote@spacing}%
9869 \reset@font\@nameuse{foottextfont#1}%
9870 \@preamfntext
9871 \protected@edef\@currentlabel{%
9872 \csname p@footnote#1\endcsname \@nameuse{\thefnmark#1}}%
9873 \color@begingroup
9874 \@nameuse{\eightcolfootfmt#1}{##1}%
9875 \color@endgroup}%
9876 \m@mmf@prepare}}
9877 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9878 \bidi@namelongdef{\mpeightcolfootnotetext#1}##1{%
9879 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
9880 \unvbox\@nameuse{\mpfootins#1}
9881 \def\baselinestretch{\m@m@footnote@spacing}%
9882 \reset@font\@nameuse{foottextfont#1}%
9883 \hsize\columnwidth \@parboxrestore
9884 \protected@edef\@currentlabel{%
9885 \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
9886 \color@begingroup
9887 \@nameuse{\eightcolfootfmt#1}{##1}%
9888 \color@endgroup}\m@mmf@prepare}}
9889 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9890 \namedef{\eightcolfootfmt#1}##1{%
9891 \@preameightfmt
9892 {\@nameuse{footfootmark#1}}\strut

```



```

9893      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9894 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9895   \@namedef{@eightcol@footgroup#1}{%
9896     \def\baselinestretch{\m@m@footnote@spacing}%
9897     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9898     \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
9899 \bidi@ensure@newcommand{\m@make@mp@eightcol@footgroup}[1]{%
9900   \@namedef{@mp@eightcol@footgroup#1}{%
9901     \def\baselinestretch{\m@m@footnote@spacing}%
9902     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9903     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
9904 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
9905   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9906   \@bidi@before@Hy@hyperfootnotes
9907   \let\@footnotetext\@ninecolfootnotetext
9908   \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9909   \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9910   \dimen\footinsv@r=9\footinsdim
9911   \count\footinsv@r=111\relax
9912   \m@make@ninecol@footgroup{v@r}%
9913   \let\@footgroupv@r\@ninecol@footgroupv@r
9914   \let\@mpfootnotetext\@mpninecolfootnotetext
9915   \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9916   \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9917   \@bidi@after@Hy@hyperfootnotes
9918   \m@make@mpninecol@footgroup{v@r}%
9919   \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
9920 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9921   \def\baselinestretch{\m@m@footnote@spacing}%
9922   \reset@font\foottextfont
9923   \@preamfntext
9924   \protected@edef\@currentlabel{%
9925     \csname p@footnote\endcsname\@thefnmark}%
9926   \color@begingroup
9927     \@ninecolfootfmt{#1}%
9928   \color@endgroup}%
9929   \m@m@mmf@prepare}
9930 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9931   \def\baselinestretch{\m@m@footnote@spacing}%
9932   \reset@font\LTRfoottextfont
9933   \@preamfntext
9934   \protected@edef\@currentlabel{%
9935     \csname p@footnote\endcsname\@thefnmark}%
9936   \color@begingroup
9937     \@ninecolLTRfootfmt{#1}%
9938   \color@endgroup}%
9939   \m@m@mmf@prepare}
9940 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9941   \def\baselinestretch{\m@m@footnote@spacing}%
9942   \reset@font\RTLfoottextfont

```



```

9943 \@preamfntext
9944 \protected@edef\@currentlabel{%
9945   \csname p@footnote\endcsname\@thefnmark}%
9946 \color@begingroup
9947   \@ninecolRTLfootfmt{#1}%
9948 \color@endgroup}%
9949 \m@mmlf@prepare}
9950 \bidi@ensure@newcommand{\@preamninefmt}{%
9951   \hspace{.1\hspace}
9952   \parindent=\z@
9953   \tolerance=5000\relax
9954   \leavevmode}
9955 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9956   \@preamninefmt
9957   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9958 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9959   \@preamninefmt
9960   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9961 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9962   \@preamninefmt
9963   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9964 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9965   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9966     \unvbox\@mpfootinsv@r
9967     \def\baselinestretch{\m@m@footnote@spacing}%
9968     \reset@font\foottextfont
9969     \hspace\columnwidth \@parboxrestore
9970     \protected@edef\@currentlabel{%
9971       \csname p@mpfootnote\endcsname\@thefnmark}%
9972     \color@begingroup
9973       \@ninecolfootfmt{#1}%
9974     \color@endgroup}%
9975     \m@mmlf@prepare}
9976 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9977   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9978     \unvbox\@mpfootinsv@r
9979     \def\baselinestretch{\m@m@footnote@spacing}%
9980     \reset@font\LTRfoottextfont
9981     \hspace\columnwidth \@parboxrestore
9982     \if@RTLcolumnfootnotes\beginL\fi
9983     \protected@edef\@currentlabel{%
9984       \csname p@mpfootnote\endcsname\@thefnmark}%
9985     \color@begingroup
9986       \@ninecolLTRfootfmt{#1}%
9987     \color@endgroup}%
9988     \m@mmlf@prepare}
9989 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
9990   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9991     \unvbox\@mpfootinsv@r
9992     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9993 \reset@font\RTLfoottextfont
9994 \hsize\columnwidth \@parboxrestore
9995 \protected@edef\@currentlabel{%
9996 \csname p@mpfootnote\endcsname\@thefnmark}%
9997 \color@begingroup
9998 \@ninecolRTLfootfmt{#1}%
9999 \color@endgroup}%
10000 \m@mmf@prepare}
10001 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
10002 \m@make@ninecolfootnotetext{#1}%
10003 \m@make@mpninecolfootnotetext{#1}%
10004 \m@make@ninecolfootfmt{#1}%
10005 \m@make@ninecol@footgroup{#1}%
10006 \m@make@mpninecol@footgroup{#1}%
10007 \m@make@footstart{#1}%
10008 \bidi@namelongdef{\footnotetext#1}##1{%
10009 \nameuse{\@ninecolfootnotetext#1}{##1}}%
10010 \bidi@namelongdef{\mpfootnotetext#1}##1{%
10011 \nameuse{\@mpninecolfootnotetext#1}{##1}}%
10012 \namedef{\@footgroup#1}{\nameuse{\@ninecol@footgroup#1}}%
10013 \namedef{\mp@footgroup#1}{\nameuse{\@mpninecol@footgroup#1}}%
10014 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10015 \expandafter\count\csname footins#1\endcsname=500\relax}
10016 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
10017 \bidi@namelongdef{\@ninecolfootnotetext#1}##1{%
10018 \insert\@nameuse{\footins#1}{%
10019 \def\baselinestretch{\m@m@footnote@spacing}%
10020 \reset@font\@nameuse{\foottextfont#1}%
10021 \@preamfntext
10022 \protected@edef\@currentlabel{%
10023 \csname p@footnote#1\endcsname \nameuse{\@thefnmark#1}}%
10024 \color@begingroup
10025 \nameuse{\@ninecolfootfmt#1}{##1}%
10026 \color@endgroup}%
10027 \m@mmf@prepare}}
10028 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
10029 \bidi@namelongdef{\@mpninecolfootnotetext#1}##1{%
10030 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
10031 \unvbox\@nameuse{\mpfootins#1}
10032 \def\baselinestretch{\m@m@footnote@spacing}%
10033 \reset@font\@nameuse{\foottextfont#1}%
10034 \hsize\columnwidth \@parboxrestore
10035 \protected@edef\@currentlabel{%
10036 \csname p@mpfootnote#1\endcsname\nameuse{\@thefnmark#1}}%
10037 \color@begingroup
10038 \nameuse{\@ninecolfootfmt#1}{##1}%
10039 \color@endgroup}\m@mmf@prepare}}
10040 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
10041 \namedef{\@ninecolfootfmt#1}##1{%
10042 \@preamninefmt

```




```

10043 {\@nameuse{footfootmark#1}\strut
10044 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10045 \bidi@ensure@newcommand{\m@make@ninelcol@footgroup}[1]{%
10046 \@namedef{@ninelcol@footgroup#1}{%
10047 \def\baselinestretch{\m@footnote@spacing}%
10048 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10049 \m@rigrigidbodybalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
10050 \bidi@ensure@newcommand{\m@make@mpninelcol@footgroup}[1]{%
10051 \@namedef{@mpninelcol@footgroup#1}{%
10052 \def\baselinestretch{\m@footnote@spacing}%
10053 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10054 \m@rigrigidbodybalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
10055 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
10056 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10057 \@bidi@before@Hy@hyperfootnotes
10058 \let\@footnotetext\@tencolfootnotetext
10059 \let\@LTRfootnotetext\@tencolLTRfootnotetext
10060 \let\@RTLfootnotetext\@tencolRTLfootnotetext
10061 \dimen\footinsv@r=10\footinsdim
10062 \count\footinsv@r=100\relax
10063 \m@make@tencol@footgroup{v@r}%
10064 \let\@footgroupv@r\@tencol@footgroupv@r
10065 \let\@mpfootnotetext\@mptencolfootnotetext
10066 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
10067 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
10068 \@bidi@after@Hy@hyperfootnotes
10069 \m@make@mptencol@footgroup{v@r}%
10070 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
10071 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10072 \def\baselinestretch{\m@footnote@spacing}%
10073 \reset@font\foottextfont
10074 \@preamfntext
10075 \protected@edef\@currentlabel{%
10076 \csname p@footnote\endcsname\@thefnmark}%
10077 \color@begingroup
10078 \@tencolfootfmt{#1}%
10079 \color@endgroup}%
10080 \m@mmf@prepare}
10081 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
10082 \def\baselinestretch{\m@footnote@spacing}%
10083 \reset@font\LTRfoottextfont
10084 \@preamfntext
10085 \protected@edef\@currentlabel{%
10086 \csname p@footnote\endcsname\@thefnmark}%
10087 \color@begingroup
10088 \@tencolLTRfootfmt{#1}%
10089 \color@endgroup}%
10090 \m@mmf@prepare}
10091 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10092 \def\baselinestretch{\m@footnote@spacing}%

```



```

10093 \reset@font\RTLfoottextfont
10094 \@preamfntext
10095 \protected@edef\@currentlabel{%
10096   \csname p@footnote\endcsname\@thefnmark}%
10097 \color@begingroup
10098   \@tencolRTLfootfmt{#1}%
10099 \color@endgroup}%
10100 \m@mmf@prepare}
10101 \bidi@ensure@newcommand{\@preamtenfmt}{%
10102   \hsize .1\hsize
10103   \parindent=\z@
10104   \tolerance=5000\relax
10105   \leavevmode}
10106 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10107   \@preamtenfmt
10108   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10109 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10110   \@preamtenfmt
10111   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10112 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10113   \@preamtenfmt
10114   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10115 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10116   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10117     \unvbox\@mpfootinsv@r
10118     \def\baselinestretch{\m@m@footnote@spacing}%
10119     \reset@font\foottextfont
10120     \hsize\columnwidth \@parboxrestore
10121     \protected@edef\@currentlabel{%
10122       \csname p@mpfootnote\endcsname\@thefnmark}%
10123     \color@begingroup
10124       \@tencolfootfmt{#1}%
10125     \color@endgroup}%
10126     \m@mmf@prepare}
10127 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10128   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10129     \unvbox\@mpfootinsv@r
10130     \def\baselinestretch{\m@m@footnote@spacing}%
10131     \reset@font\LTRfoottextfont
10132     \hsize\columnwidth \@parboxrestore
10133     \if@RTLcolumnfootnotes\beginL\fi
10134     \protected@edef\@currentlabel{%
10135       \csname p@mpfootnote\endcsname\@thefnmark}%
10136     \color@begingroup
10137       \@tencolLTRfootfmt{#1}%
10138     \color@endgroup}%
10139     \m@mmf@prepare}
10140 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10141   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10142     \unvbox\@mpfootinsv@r

```



```

10143 \def\baselinestretch{\m@m@footnote@spacing}%
10144 \reset@font\RTLfoottextfont
10145 \hsize\columnwidth \@parboxrestore
10146 \protected@edef\@currentlabel{%
10147 \csname p@mpfootnote\endcsname\@thefnmark}%
10148 \color@begingroup
10149 \@tencolRTLfootfmt{#1}%
10150 \color@endgroup}%
10151 \m@mmf@prepare}
10152 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
10153 \m@make@tencolfootnotetext{#1}%
10154 \m@make@mptencolfootnotetext{#1}%
10155 \m@make@tencolfootfmt{#1}%
10156 \m@make@tencol@footgroup{#1}%
10157 \m@make@mptencol@footgroup{#1}%
10158 \m@make@footstart{#1}%
10159 \bidi@namelongdef{\@footnotetext#1}##1{%
10160 \@nameuse{\@tencolfootnotetext#1}{##1}}%
10161 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10162 \@nameuse{\@mptencolfootnotetext#1}{##1}}%
10163 \@namedef{\@footgroup#1}{\@nameuse{\@tencol@footgroup#1}}%
10164 \@namedef{\@mpfootgroup#1}{\@nameuse{\@mptencol@footgroup#1}}%
10165 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10166 \expandafter\count\csname footins#1\endcsname=500\relax}
10167 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
10168 \bidi@namelongdef{\@tencolfootnotetext#1}##1{%
10169 \insert\@nameuse{\footins#1}{%
10170 \def\baselinestretch{\m@m@footnote@spacing}%
10171 \reset@font\@nameuse{\foottextfont#1}%
10172 \@preamfntext
10173 \protected@edef\@currentlabel{%
10174 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
10175 \color@begingroup
10176 \@nameuse{\@tencolfootfmt#1}{##1}%
10177 \color@endgroup}%
10178 \m@mmf@prepare}}
10179 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
10180 \bidi@namelongdef{\@mptencolfootnotetext#1}##1{%
10181 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
10182 \unvbox\@nameuse{\@mpfootins#1}
10183 \def\baselinestretch{\m@m@footnote@spacing}%
10184 \reset@font\@nameuse{\foottextfont#1}%
10185 \hsize\columnwidth \@parboxrestore
10186 \protected@edef\@currentlabel{%
10187 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
10188 \color@begingroup
10189 \@nameuse{\@tencolfootfmt#1}{##1}%
10190 \color@endgroup}\m@mmf@prepare}}
10191 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
10192 \@namedef{\@tencolfootfmt#1}##1{%

```



```

10193 \@preamtenfmt
10194 {\@nameuse{footfootmark#1}\strut
10195   {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10196 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10197   \@namedef{@tencol@footgroup#1}{%
10198     \def\baselinestretch{\m@m@footnote@spacing}%
10199     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10200     \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
10201 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10202   \@namedef{@mptencol@footgroup#1}{%
10203     \def\baselinestretch{\m@m@footnote@spacing}%
10204     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10205     \m@mrigidbalance{\@nameuse{mpfootins#1}}{10}{\splittopskip}}}}
10206 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10207   \setbox0=\vbox{\unvbox#1%
10208     \global\setbox1=\lastbox}%
10209   \unhbox1
10210   \unskip
10211   \unskip
10212   \unpenalty
10213   \hskip\m@mipn@skip}
10214 \bidi@ensure@newcommand{\m@mungebox}{%
10215   \setbox0=\hbox{\m@munvxh0}%
10216   \dp0=\z@
10217   \ht0=\footfudgefactor\wd0
10218   \box0
10219   \penalty0}
10220 \newskip\m@mipn@skip
10221 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
10222   {\foottextfont\global\m@mipn@skip=#1\relax}}
10223 \m@minterparanoteglua{1em plus.4em minus.4em}
10224 \@ifpackageloaded{multicol}{%
10225   \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10226     \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10227     \hsize\textwidth%
10228     \setbox0=\hbox{%
10229       \loop
10230         \unpenalty
10231         \setbox2=\lastbox
10232         \ifhbox2
10233           \setbox0=\hbox{\box2\unhbox0}
10234         \repeat}
10235     }{%
10236   \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10237     \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10238     \setbox0=\hbox{%
10239       \loop
10240         \unpenalty
10241         \setbox2=\lastbox
10242       \ifhbox2

```



```

10243 \setbox0=\hbox{\box2\unhbox0}
10244 \repeat}}
10245 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10246 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10247 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
10248 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10249 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10250 \@bidi@before@Hy@hyperfootnotes
10251 \let\@footnotetext\@parafootnotetext
10252 \let\@LTRfootnotetext\@paraLTRfootnotetext
10253 \let\@RTLfootnotetext\@paraRTLfootnotetext
10254 \dimen\footinsv@r=\footinsdim
10255 \count\footinsv@r=1000\relax
10256 \m@make@para@footgroup{v@r}%
10257 \let\@footgroupv@r\@para@footgroupv@r
10258 \let\@mpfootnotetext\@mpparafootnotetext
10259 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10260 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10261 \@bidi@after@Hy@hyperfootnotes
10262 \m@make@mppara@footgroup{v@r}%
10263 \let\mp@footgroupv@r\@mppara@footgroupv@r
10264 \begingroup
10265 \def\baselinestretch{\m@m@footnote@spacing}%
10266 \foottextfont
10267 \@tempdima\normalbaselineskip
10268 \multiply \@tempdima \@cclvi
10269 \@tempdimb \columnwidth
10270 \divide \@tempdimb \@cclvi
10271 \divide \@tempdima \@tempdimb
10272 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10273 \endgroup
10274 }
10275 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
10276 \let\bidi@RTL@everypar\@empty%
10277 \def\baselinestretch{\m@m@footnote@spacing}%
10278 \reset@font\foottextfont
10279 \@preamfntext
10280 \protected@edef\@currentlabel{%
10281 \csname p@footnote\endcsname\@thefnmark}%
10282 \setbox0=\vbox{\hsize=\maxdimen
10283 \color@begingroup
10284 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
10285 \color@endgroup}%
10286 \m@mungebox}\m@mmf@prepare}
10287 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
10288 \let\bidi@RTL@everypar\@empty%
10289 \def\baselinestretch{\m@m@footnote@spacing}%
10290 \reset@font\LTRfoottextfont
10291 \@preamfntext
10292 \protected@edef\@currentlabel{%

```



```

10293 \csname p@footnote\endcsname\@thefnmark}%
10294 \setbox0=\vbox{\hsize=\maxdimen
10295 \color@begingroup
10296 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10297 \color@endgroup}%
10298 \m@mungebox}\m@mmf@prepare}
10299 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10300 \let\bidi@RTL@everypar\@empty%
10301 \def\baselinestretch{\m@m@footnote@spacing}%
10302 \reset@font\RTLfoottextfont
10303 \@preamfntext
10304 \protected@edef\@currentlabel{%
10305 \csname p@footnote\endcsname\@thefnmark}%
10306 \setbox0=\vbox{\hsize=\maxdimen
10307 \color@begingroup
10308 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10309 \color@endgroup}%
10310 \m@mungebox}\m@mmf@prepare}
10311 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10312 \parindent=\z@
10313 \parfillskip=0pt \@plus 1fil
10314 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10315 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10316 \parindent=\z@
10317 \parfillskip=0pt \@plus 1fil
10318 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10319 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10320 \parindent=\z@
10321 \parfillskip=0pt \@plus 1fil
10322 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10323 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10324 \global\setbox\@mpfootinsv@r\vbox{%
10325 \let\bidi@RTL@everypar\@empty%
10326 \def\baselinestretch{\m@m@footnote@spacing}%
10327 \unvbox\@mpfootinsv@r
10328 \reset@font\foottextfont
10329 \hsize\columnwidth \@parboxrestore
10330 \protected@edef\@currentlabel{%
10331 \csname p@mpfootnote\endcsname\@thefnmark}%
10332 \setbox0=\vbox{\hsize=\maxdimen
10333 \color@begingroup
10334 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else\beginL\fi#1\if@RTL@footnote\endR}%
10335 \color@endgroup}%
10336 \m@mungebox}\m@mmf@prepare}
10337 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10338 \global\setbox\@mpfootinsv@r\vbox{%
10339 \let\bidi@RTL@everypar\@empty%
10340 \def\baselinestretch{\m@m@footnote@spacing}%
10341 \unvbox\@mpfootinsv@r
10342 \reset@font\LTRfoottextfont

```



```

10343 \hsize\columnwidth \@parboxrestore
10344 \protected@edef\@currentlabel{%
10345 \csname p@mpfootnote\endcsname\@thefnmark}%
10346 \setbox0=\vbox{\hsize=\maxdimen
10347 \color@begingroup
10348 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10349 \color@endgroup}%
10350 \m@mungebox}\m@mmf@prepare}
10351 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10352 \global\setbox\@mpfootinsv\@vbox{%
10353 \let\bidi@RTL@everypar\@empty%
10354 \def\baselinestretch{\m@m@footnote@spacing}%
10355 \unvbox\@mpfootinsv}
10356 \reset@font\RTLfoottextfont
10357 \hsize\columnwidth \@parboxrestore
10358 \protected@edef\@currentlabel{%
10359 \csname p@mpfootnote\endcsname\@thefnmark}%
10360 \setbox0=\vbox{\hsize=\maxdimen
10361 \color@begingroup
10362 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10363 \color@endgroup}%
10364 \m@mungebox}\m@mmf@prepare}
10365 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
10366 \m@make@parafootnotetext{#1}%
10367 \m@make@mpparafootnotetext{#1}%
10368 \m@make@parafootfmt{#1}%
10369 \m@make@para@footgroup{#1}%
10370 \m@make@mppara@footgroup{#1}%
10371 \m@make@para@footstart{#1}%
10372 \bidi@namelongdef{\@footnotetext#1}##1{%
10373 \@nameuse{\@parafootnotetext#1}{##1}}%
10374 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10375 \@nameuse{\@mpparafootnotetext#1}{##1}}%
10376 \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
10377 \@namedef{\@mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
10378 \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
10379 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
10380 \expandafter\count\csname footins#1\endcsname=1000\relax
10381 \begingroup
10382 \def\baselinestretch{\m@m@footnote@spacing}%
10383 \@nameuse{\foottextfont#1}%
10384 \@tempdima\normalbaselineskip
10385 \multiply \@tempdima \@cclvi
10386 \@tempdimb \columnwidth
10387 \divide \@tempdimb \@cclvi
10388 \divide \@tempdima \@tempdimb
10389 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10390 \endgroup
10391 }
10392 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%

```



```

10393 \bidi@namelongdef{@parafootnotetext#1}##1{%
10394   \insert\@nameuse{footins#1}{
10395     \def\baselinestretch{\m@m@footnote@spacing}%
10396     \reset@font\@nameuse{foottextfont#1}%
10397     \@preamfntext
10398     \protected@edef\@currentlabel{%
10399       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10400     \setbox0=\vbox{\hsize=\maxdimen
10401       \color@begingroup
10402       \noindent \@nameuse{@parafootfmt#1}{##1}%
10403       \color@endgroup}%
10404     \m@mungebox}\m@mmf@prepare}}
10405 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
10406 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
10407   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10408     \unvbox\@nameuse{@mpfootins#1}
10409     \def\baselinestretch{\m@m@footnote@spacing}%
10410     \reset@font\@nameuse{foottextfont#1}%
10411     \hsize\columnwidth \@parboxrestore
10412     \protected@edef\@currentlabel{%
10413       \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
10414     \setbox0=\vbox{\hsize=\maxdimen
10415       \color@begingroup
10416       \noindent \@nameuse{@parafootfmt#1}{##1}%
10417       \color@endgroup}%
10418     \m@mungebox}\m@mmf@prepare}}
10419 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
10420 \bidi@namelongdef{@parafootfmt#1}##1{%
10421   \parindent=\z@
10422   \parfillskip=0pt \@plus 1fil
10423   {\@nameuse{footfootmark#1}\strut
10424     {\@nameuse{foottextfont#1}##1}\penalty-10}}
10425 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10426 \@namedef{@para@footgroup#1}{%
10427   \unvbox\@nameuse{footins#1}
10428   \m@mmakehboxofhboxes
10429   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10430   \@parboxrestore%
10431   \def\baselinestretch{\m@m@footnote@spacing}%
10432   \@nameuse{foottextfont#1}%
10433   \noindent\unhbox0\par}}
10434 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10435 \@namedef{@mppara@footgroup#1}{%
10436   \unvbox\@nameuse{@mpfootins#1}
10437   \m@mmakehboxofhboxes
10438   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10439   \def\baselinestretch{\m@m@footnote@spacing}%
10440   \@nameuse{foottextfont#1}%
10441   \noindent\unhbox0\par}}
10442 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%

```




```

10443 \@namedef{@para@footstart#1}{%
10444   \vskip\bigskipamount
10445   \leftskip=\z@
10446   \rightskip=\z@
10447   \parindent=\z@
10448   \vskip\skip\@nameuse{footins#1}%
10449   \footnoterule}}
10450 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10451   \xdef\@freelist{\@freelist\@midlist}%
10452   \global\let\@midlist\@empty
10453   \@combinefloats}
10454 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10455   \ifvbox\@kludgeins
10456     \@makespecialcolbox
10457   \else
10458     \setbox\@outputbox \vbox to\@colht{%
10459       \@texttop
10460       \dimen@ \dp\@outputbox
10461       \unvbox \@outputbox
10462       \vskip -\dimen@
10463       \@textbottom}%
10464   \fi}
10465 \bidi@ensure@newcommand*{\m@m@makecolintro}{%}
10466 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
10467   \boxmaxdepth\@maxdepth
10468   \@tempdima\dp\@cclv
10469   \unvbox\@cclv
10470   \vskip-\@tempdima
10471   \bidi@mopfn@bottom
10472   \vskip \skip\footins
10473   \color@begingroup
10474     \normalcolor
10475     \footnoterule
10476     \unvbox \footins
10477   \color@endgroup}}
10478 \newcommand*{\bidi@mopfootnotebf}{%
10479   \setbox\@outputbox \vbox{%
10480     \boxmaxdepth\@maxdepth
10481     \unvbox\@outputbox
10482     \bidi@mopfn@bottom
10483     \vskip\skip\footins
10484     \color@begingroup
10485       \normalcolor
10486       \footnoterule
10487       \unvbox \footins
10488     \color@endgroup}}
10489 \gdef\mem@makecol{%
10490   \m@m@makecolintro
10491   \ifvoid\footins
10492     \setbox\@outputbox \box\@cclv

```



```

10493 \else
10494   \m@mopfootnote
10495 \fi
10496 \m@mdoextrafeet
10497 \m@m@makecolfloats
10498 \m@m@makecoltext
10499 \global \maxdepth \@maxdepth}
10500 \gdef\bidi@makecolbf{%
10501   \m@m@makecolintro
10502   \setbox\@outputbox \box\@cclv
10503   \m@m@makecolfloats
10504   \ifvoid\footins
10505   \else
10506     \bidi@mopfootnotebf
10507   \fi
10508   \m@mdoextrafeet
10509   \m@m@makecoltext
10510   \global \maxdepth \@maxdepth}
10511 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10512 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10513 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10514 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10515 \FeetAboveFloat
10516 \FeetBelowRagged

```

55 File extreport-xetex-bidi.def

```

10517 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10518 \renewcommand*\l@part[2]{%
10519   \ifnum \c@tocdepth >-2\relax
10520     \addpenalty{-\@highpenalty}%
10521     \addvspace{2.25em \@plus\p}%
10522     \begingroup
10523       \setlength\@tempdima{3em}%
10524       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10525       \parfillskip -\@pnumwidth
10526       {\leavevmode
10527         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10528       \nobreak
10529       \global\@nobreaktrue
10530       \everypar{\global\@nobreakfalse\everypar{}}%
10531     \endgroup
10532   \fi}
10533 \renewcommand*\l@chapter[2]{%
10534   \ifnum \c@tocdepth >\m@ne
10535     \addpenalty{-\@highpenalty}%
10536     \vskip 1.0em \@plus\p@
10537     \setlength\@tempdima{1.5em}%
10538     \begingroup
10539     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

10540 \parfillskip -\@pnumwidth
10541 \leavevmode \bfseries
10542 \advance\if@RTL\rightright\else\leftskip\fi\@tempdima
10543 \hskip -\if@RTL\rightright\else\leftskip\fi
10544 #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
10545 \penalty\@highpenalty
10546 \endgroup
10547 \fi}
10548 \def\@makechapterhead#1{%
10549 \vspace*{50\p@}%
10550 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10551 \ifnum \c@secnumdepth >\m@ne
10552 \huge\bfseries \@chapapp\space \thechapter
10553 \par\nobreak
10554 \vskip 20\p@
10555 \fi
10556 \interlinepenalty\@M
10557 \Huge \bfseries #1\par\nobreak
10558 \vskip 40\p@
10559 }}
10560 \def\@makeschapterhead#1{%
10561 \vspace*{50\p@}%
10562 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10563 \normalfont
10564 \interlinepenalty\@M
10565 \Huge \bfseries #1\par\nobreak
10566 \vskip 40\p@
10567 }}
10568 \renewcommand\left@footnoterule{%
10569 \kern-3\p@
10570 \hrule\@width.4\columnwidth
10571 \kern2.6\p@}
10572 \renewcommand\right@footnoterule{%
10573 \kern-3\p@
10574 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10575 \kern2.6\p@}
10576 \renewenvironment{thebibliography}[1]
10577 {\chapter*{\bibname
10578 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10579 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10580 \bidi@thebibliography@font@hook%
10581 \list{\@biblabel{\@arabic\c@enumiv}}%
10582 {\settowidth\labelwidth{\@biblabel{#1}}%
10583 \leftmargin\labelwidth
10584 \advance\leftmargin\labelsep
10585 \@openbib@code
10586 \usecounter{enumiv}%
10587 \let\p@enumiv\@empty
10588 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10589 \sloppy\clubpenalty4000\widowpenalty4000%

```



```

10590     \sfcode`.\.\@m}
10591     {\def\@noitemerr
10592       {\@latex@warning{Empty `thebibliography' environment}}}%
10593     \endlist}
10594 \if@titlepage
10595 \renewcommand\maketitle{\begin{titlepage}%
10596 \let\footnotesize\small
10597 \let\right@footnoterule\relax
10598 \let\left@footnoterule\relax
10599 \let\textwidth\footnoterule\relax
10600 \let \footnote \thanks
10601 \null\vfil
10602 \vskip 60\p@
10603 \begin{center}%
10604   {\LARGE \@title \par}%
10605   \vskip 3em%
10606   {\large
10607     \lineskip .75em%
10608     \begin{tabular}[t]{c}%
10609       \@author
10610     \end{tabular}\par}%
10611     \vskip 1.5em%
10612     {\large \@date \par}%           % Set date in \large size.
10613 \end{center}\par
10614 \@thanks
10615 \vfil\null
10616 \end{titlepage}%
10617 \setcounter{footnote}{0}%
10618 \global\let\thanks\relax
10619 \global\let\maketitle\relax
10620 \global\let\@thanks\@empty
10621 \global\let\@author\@empty
10622 \global\let\@date\@empty
10623 \global\let\@title\@empty
10624 \global\let\title\relax
10625 \global\let\author\relax
10626 \global\let\date\relax
10627 \global\let\and\relax
10628 }
10629 \else
10630 \renewcommand\maketitle{\par
10631 \begingroup
10632   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10633   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10634   \long\def\@makefntext##1{\parindent 1em\noindent
10635     \hb@xt@1.8em{%
10636       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10637   \if@twocolumn
10638     \ifnum \col@number=\@ne
10639       \maketitle

```



```

10640     \else
10641         \twocolumn[\@maketitle]%
10642     \fi
10643 \else
10644     \newpage
10645     \global\@topnum\z@    % Prevents figures from going at top of page.
10646     \@maketitle
10647     \fi
10648     \thispagestyle{plain}\@thanks
10649 \endgroup
10650 \setcounter{footnote}{0}%
10651 \global\let\thanks\relax
10652 \global\let\maketitle\relax
10653 \global\let\@maketitle\relax
10654 \global\let\@thanks\@empty
10655 \global\let\@author\@empty
10656 \global\let\@date\@empty
10657 \global\let\@title\@empty
10658 \global\let\title\relax
10659 \global\let\author\relax
10660 \global\let\date\relax
10661 \global\let\and\relax
10662 }
10663 \def\@maketitle{%
10664     \newpage
10665     \null
10666     \vskip 2em%
10667     \begin{center}%
10668         \let \footnote \thanks
10669         {\LARGE \@title \par}%
10670         \vskip 1.5em%
10671         {\large
10672             \lineskip .5em%
10673             \begin{tabular}[t]{c}%
10674                 \@author
10675             \end{tabular}\par}%
10676         \vskip 1em%
10677         {\large \@date}%
10678     \end{center}%
10679     \par
10680     \vskip 1.5em}
10681 \fi
10682 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
10683 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10684 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10685 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10686 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10687 \renewcommand\theequation{%
10688     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10689 \renewcommand\thefigure{%

```



```

10690 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
10691 \renewcommand\thetable{%
10692 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@table}

```

56 File fancybox-xetex-bidi.def

```

10693 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10694 \def\fancy@oval#1#2#3{%
10695 \boxmaxdepth \maxdimen
10696 \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10697 \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10698 \@ovxx#1\relax
10699 \advance\@ovxx-\@wholewidth
10700 \@ovyy#2\relax
10701 \advance\@ovyy-\@wholewidth
10702 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx \@ovxx\else \@ovyy \fi
10703 \advance\@tempdimb-2\p@
10704 \ifdim \@tempdimb>\the@cornersize\relax
10705 \quad\@tempdimb=\the@cornersize
10706 \fi
10707 \@getcirc\@tempdimb
10708 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10709 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10710 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10711 \@circlefnt
10712 \setbox\@tempboxa\hbox{\beginL%
10713 \quad\if@ovr \@ovvert32\kern -\@tempdima \fi
10714 \quad\if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10715 \quad\if@ovt \@ovhorz \kern -\@ovxx \fi
10716 \quad\if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10717 \advance\@ovdx\@ovro
10718 \advance\@ovdy\@ovro
10719 \advance\@ovxx\@wholewidth
10720 \wd\@tempboxa=\@ovxx
10721 \dp\@tempboxa=\z@}

```

57 File fancyhdr-xetex-bidi.def

```

10722 \ProvidesFile{fancyhdr-xetex-bidi.def}[2016/11/30 v0.6 bidi adaptations for fancyhdr package]
10723
10724 \let\fnch@everypar\everypar%
10725
10726 \def\@fancyhead#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10727 \quad\@fancyvbox\headheight{\hbox
10728 \quad\{ \rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10729 \quad\parbox[b]{\headwidth}{\centering#3}\hfill
10730 \quad\llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}\headrule}}#5}
10731
10732 \def\@fancyfoot#1#2#3#4#5{#1\hbox to\headwidth{\fancy@reset
10733 \quad\@fancyvbox\footskip{\footrule

```



```

10734 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10735 \parbox[t]{\headwidth}{\centering#3}\hfill
10736 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\#5}
10737

```

58 File fix2col-xetex-bidi.def

```

10738 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package for
10739 \def\RTL@outputdblcol{%
10740 \if@firstcolumn
10741 \global\@firstcolumnfalse
10742 \global\setbox\@leftcolumn\copy\@outputbox
10743 \splitmaxdepth\maxdimen
10744 \vbadness\maxdimen
10745 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10746 \toks@{\expandafter{\topmark}}%
10747 \xdef\@firstcoltopmark{\the\toks@}%
10748 \toks@{\expandafter{\splitfirstmark}}%
10749 \xdef\@firstcolfirstmark{\the\toks@}%
10750 \ifx\@firstcolfirstmark\@empty
10751 \global\let\@setmarks\relax
10752 \else
10753 \gdef\@setmarks{%
10754 \let\firstmark\@firstcolfirstmark
10755 \let\topmark\@firstcoltopmark}%
10756 \fi
10757 \else \global\@firstcolumntrue
10758 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10759 \hskip \columnwidth
10760 \hfil \vrule width\columnseprule \hfil
10761 \hbox to\columnwidth {%
10762 \bidi@firstcolumn@status@write%
10763 \box\@leftcolumn \hss}%
10764 \hskip -\textwidth
10765 \hbox to\columnwidth{%
10766 \bidi@lastcolumn@status@write%
10767 \box\@outputbox \hss}%
10768 \hskip \columnsep
10769 \hskip \columnwidth }}%
10770 \@combinedblfloats \@setmarks \@outputpage
10771 \begingroup \@dblfloatplacement \@startdblcolumn
10772 \@whiles\if@fcolmade \fi
10773 {\@outputpage \@startdblcolumn }\endgroup
10774 \fi}
10775 \def\LTR@outputdblcol{%
10776 \if@firstcolumn
10777 \global\@firstcolumnfalse
10778 \global\setbox\@leftcolumn\copy\@outputbox
10779 \splitmaxdepth\maxdimen
10780 \vbadness\maxdimen

```



```

10781 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10782 \toks@\expandafter{\topmark}%
10783 \xdef\@firstcoltopmark{\the\toks@}%
10784 \toks@\expandafter{\splitfirstmark}%
10785 \xdef\@firstcolfirstmark{\the\toks@}%
10786 \ifx\@firstcolfirstmark\@empty
10787 \global\let\@setmarks\relax
10788 \else
10789 \gdef\@setmarks{%
10790 \let\firstmark\@firstcolfirstmark
10791 \let\topmark\@firstcoltopmark}%
10792 \fi
10793 \else
10794 \global\@firstcolumntrue
10795 \setbox\@outputbox\vbox{%
10796 \hb@xt@\textwidth{%
10797 \hb@xt@\columnwidth{%
10798 \bidi@firstcolumn@status@write%
10799 \box\@leftcolumn \hss}%
10800 \hfil
10801 \vrule \@width\columnseprule
10802 \hfil
10803 \hb@xt@\columnwidth{%
10804 \bidi@lastcolumn@status@write%
10805 \box\@outputbox \hss}}}%
10806 \@combinedblfloats
10807 \setmarks
10808 \outputpage
10809 \begingroup
10810 \dblfloatplacement
10811 \startdblcolumn
10812 \@whilesw\if@colmade \fi{\@outputpage\startdblcolumn}%
10813 \endgroup
10814 \fi}

```

59 File fleqn-xetex-bidi.def

```

10815 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
10816 \renewcommand\[{ \relax
10817 \ifmmode\@badmath
10818 \else
10819 \begin{trivlist}%
10820 \beginparpenalty\predisplaypenalty
10821 \endparpenalty\postdisplaypenalty
10822 \item[]\leavevmode
10823 \hb@xt@\linewidth\bggroup \beginL$m@th\displaystyle %$
10824 \hskip\mathindent\bggroup
10825 \fi}
10826 \renewcommand\}{{ \relax
10827 \ifmmode

```




```

10828             \egroup $\hfil% $
10829             \endL\egroup
10830             \end{trivlist}%
10831             \else \@badmath
10832             \fi}
10833 \renewenvironment{equation}%
10834 {\@beginparpenalty\predisplaypenalty
10835  \endparpenalty\postdisplaypenalty
10836  \refstepcounter{equation}%
10837  \trivlist \item[]\leavevmode
10838   \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10839   \displaystyle
10840   \hskip\mathindent}%
10841   {$\hfil % $
10842   \displaywidth\linewidth\hbox{\@eqnnum}%
10843   \endL\egroup
10844   \endtrivlist}

```

60 File float-xetex-bidi.def

```

10845 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
10846 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
10847 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
10848 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10849 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10850   \expandafter\edef\csname the#1\endcsname{%
10851     \expandafter\noexpand\csname
10852       the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10853   {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

61 File floatrow-xetex-bidi.def

```

10854 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
10855 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}%
10856   \expandafter\edef\csname theFB@captype\endcsname{%
10857     \expandafter\noexpand\csname
10858       the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}}

```

62 File flowfram-xetex-bidi.def

```

10859 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package
10860 \def\@outputdblcol{%
10861   \@nxtcol=\c@thisframe
10862   \c@curpg=\c@page
10863   \@g@tnextcol{\@nxtcol}%
10864   \if@ff@nwpg % next flow frame starts on new page
10865     \global\@firstcolumntrue
10866     \@setcolbox\c@thisframe
10867     \if@specialpage
10868       \global\@specialpagefalse

```



```

10869 \nameuse{ps@\@specialstyle}\relax
10870 \fi
10871 \if@twoside
10872 \ifodd\count\z@
10873 \let\@thehead\@oddhead
10874 \let\@thefoot\@oddfoot
10875 \else
10876 \let\@thehead\@evenhead
10877 \let\@thefoot\@evenfoot
10878 \fi
10879 \else
10880 \let\@thehead\@oddhead
10881 \let\@thefoot\@oddfoot
10882 \fi
10883 \@beginndvi
10884 \@dodynamicthehead\@dodynamicthefoot
10885 \vbadness=\@M
10886 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10887 \@combinedblfloats
10888 \@outputpage
10889 \advance\c@curpg by -\c@page\relax
10890 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10891 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10892 \@outputpage}
10893 \begingroup
10894 \@dblfloatplacement
10895 \@startdblcolumn
10896 \@whilesw \if@fcolmade \fi
10897 {\@outputpage \@startdblcolumn }\endgroup
10898 \@resetst@tics
10899 \@resetdyn@mics
10900 \else % still on same page, save contents of box255
10901 \global\@firstcolumnfalse
10902 \setcolbox\c@thisframe
10903 \fi
10904 \global\c@thisframe=\@nxtcol
10905 \setcol{\c@thisframe}\relax
10906 \global\@colht\vsiz
10907 }
10908 \def\@outputpage{%
10909 \begingroup
10910 \let\protect\noexpand
10911 \@resetactivechars
10912 \global\let\@if@newlist\if@newlist
10913 \global\@newlistfalse\@parboxrestore
10914 \shipout\vbox{\set@typeset@protect
10915 \aftergroup
10916 \endgroup
10917 \aftergroup
10918 \set@typeset@protect

```



```

10919 \reset@font\normalsize\normalsfcodes
10920 \let\label\@gobble
10921 \let\index\@gobble
10922 \let\glossary\@gobble
10923 \baselineskip\z@skip
10924 \lineskip\z@skip
10925 \lineskiplimit\z@
10926 \vskip\topmargin\moveright\@themargin
10927 \vbox{%
10928     \vskip\headheight
10929     \vskip\headsep
10930     \box\@outputbox
10931     \ifvoid\@bidi@copyins@
10932     \else
10933         \vskip\skip\@bidi@copyins@
10934         \unvbox\@bidi@copyins@
10935     \fi
10936 }}%
10937 \global\let\if@newlist\@if@newlist
10938 \stepcounter{page}%
10939 \setcounter{displayedframe}{0}%
10940 \let\firstmark\botmark}
10941
10942
10943 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
10944 \expandafter\bidi@color\ff@txtcol}}
10945
10946 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10947 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
10948
10949
10950 \renewcommand*\@docolbox}[1]{%
10951 \edef\ff@frametype{%
10952 \csname @ff@frametype@romannumeral#1\endcsname}%
10953 \edef\ff@col{\csname @ff@col@romannumeral#1\endcsname}%
10954 \edef\ff@txtcol{\csname @ff@txtcol@romannumeral#1\endcsname}%
10955 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
10956 \@ff@setoffset{#1}%
10957 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%
10958 \ifthenelse{\boolean{columnframe\romannumeral#1}}{\}%
10959 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10960 {\csname colheight\romannumeral#1\endcsname}{%
10961 \expandafter\box\csname column\romannumeral#1\endcsname}{%
10962 \csname\ff@frametype\endcsname}%
10963 }{%
10964 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10965 {\csname colheight\romannumeral#1\endcsname}{%
10966 \expandafter\box\csname column\romannumeral#1\endcsname}%
10967 }}}
10968 \@ifclassloaded{book}{%

```



```

10969 \renewcommand\theequation
10970   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10971 \renewcommand \thefigure
10972   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10973 \renewcommand \thetable
10974   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10975 \renewcommand \thechapter {\@arabic\c@chapter}
10976 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10977 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10978 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10979 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10980 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10981 \@ifclassloaded{report}{%
10982 \renewcommand\theequation
10983   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10984 \renewcommand \thefigure
10985   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10986 \renewcommand \thetable
10987   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
10988 \renewcommand \thechapter {\@arabic\c@chapter}
10989 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
10990 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10991 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10992 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10993 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
10994 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
10995 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
10996 \else
10997 #2\relax
10998 \fi}

```

63 File footnote-xetex-bidi.def

```

10999 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11000 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11001 \newif\ifbidi@autofootnoterule
11002 \def\bidi@mpfootnoterule{\footnoterule}
11003 \newcounter{footdir@label}
11004 \renewcommand*{\thefootdir@label}{\footdir@the\value{footdir@label}}
11005 \newcommand*{\footdir@write}{%
11006   \stepcounter{footdir@label}%
11007   \zref@labelbyprops{\thefootdir@label}{abspage}%
11008 }
11009 \newif\iffootdir@debug
11010 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11011 \newtoks\footdir@toks
11012 \newcommand*{\footdir@debug}[1]{%
11013   \iffootdir@debug
11014     \typeout{[footdir] #1}%
11015   \fi

```



```

11016 }
11017 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11018 % \newcommand*{\footdir@LeftRightElse}{%
11019 % \ltx@ifundefined{footdir@the\value{zabspage}}{%
11020 % \footdir@debug{abspage \the\value{zabspage}: else}%
11021 % \ltx@thirdofthree
11022 % }{%
11023 % \if\csname footdir@the\value{zabspage}\endcsname L%
11024 % \footdir@debug{abspage \the\value{zabspage}: left}%
11025 % \expandafter\ltx@firstofthree
11026 % \else
11027 % \footdir@debug{abspage \the\value{zabspage}: right}%
11028 % \expandafter\ltx@secondofthree
11029 % \fi
11030 % }%
11031 % }%
11032 %}{%
11033 \providecommand*{\c@zabspage}{\c@abspage}%
11034 \newcommand*{\footdir@LeftRightElse}{%
11035 \footdir@write
11036 \zifrefundefined{\thefootdir@label}{%
11037 \footdir@debug{abspage ??: else}%
11038 \ltx@thirdofthree
11039 }{%
11040 \edef\footdir@abspage{%
11041 \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11042 }%
11043 \ltx@ifundefined{footdir@\footdir@abspage}{%
11044 \footdir@debug{\footdir@abspage: else}%
11045 \ltx@thirdofthree
11046 }{%
11047 \if\csname footdir@\footdir@abspage\endcsname L%
11048 \footdir@debug{\footdir@abspage: left}%
11049 \expandafter\ltx@firstofthree
11050 \else
11051 \footdir@debug{\footdir@abspage: right}%
11052 \expandafter\ltx@secondofthree
11053 \fi
11054 }%
11055 }%
11056 }%
11057 %}
11058 \newcommand*{\footdir@fntext}[1]{%
11059 \zifrefundefined{\thefootdir@label}{%
11060 }{%
11061 \edef\footdir@name{%
11062 footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11063 }%
11064 \@ifundefined{\footdir@name}{%
11065 \expandafter\gdef\csname\footdir@name\endcsname{#1}%

```



```

11066   }{ }%
11067   }%
11068 }
11069
11070 \newcommand*{\footdir@temp}[3]{%
11071   \@ifdefinable{#1}{%
11072     \let#1#2%
11073     \renewcommand{#2}[1]{%
11074       \footdir@write
11075       \footdir@fntext{#3}%
11076       \stepcounter{footdir@label}%
11077       \footdir@fntext{#3}%
11078       \footdir@toks{##1}%
11079       \footdir@toks\expandafter{%
11080         \the\expandafter\footdir@toks
11081         \expandafter
11082         \zref@labelbyprops\expandafter{\the\footdir@label}{abspage}%
11083       }%
11084       \expandafter#1\expandafter{\the\footdir@toks}%
11085     }%
11086   }%
11087 }
11088
11089 \def\right@footnoterule{%
11090   \kern-3\p@
11091   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11092   \kern2.6\p@}
11093 \def\left@footnoterule{\kern-3\p@
11094   \hrule \@width .4\columnwidth \kern 2.6\p@}
11095 \def\textwidth@footnoterule{\kern-3\p@
11096   \hrule \@width \columnwidth \kern 2.6\p@}
11097 \def\leftfootnoterule{%
11098   \bidi@autofootnoterulefalse%
11099   \def\footnoterule{\left@footnoterule}}
11100 \let\LRfootnoterule=\leftfootnoterule
11101 \def\rightfootnoterule{%
11102   \bidi@autofootnoterulefalse%
11103   \def\footnoterule{\right@footnoterule}}
11104 \def\textwidthfootnoterule{%
11105   \bidi@autofootnoterulefalse%
11106   \def\footnoterule{\textwidth@footnoterule}}
11107
11108
11109
11110 \def\auto@footnoterule{%
11111   \footdir@LeftRightElse%
11112   \left@footnoterule%
11113   \right@footnoterule%
11114   \left@footnoterule%
11115 }

```



```

11116
11117
11118
11119 \def\autofootnoterule{%
11120 \bidi@autofootnoteruletrue%
11121 \def\footnoterule{\auto@footnoterule}%
11122 }
11123
11124 \newcommand*\SplitFootnoteRule{%
11125 \gdef\split@prev{0}
11126 \let\pagefootnoterule\footnoterule
11127 \let\mpfootnoterule\footnoterule
11128 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11129 \def\footnoterule{\relax
11130 \ifx \@listdepth\@mplistdepth
11131 \mpfootnoterule
11132 \else
11133 \ifnum\split@prev=\z@
11134 \pagefootnoterule
11135 \else
11136 \splitfootnoterule
11137 \fi
11138 \xdef\split@prev{\the\insertpenalties}%
11139 \fi
11140 }%
11141 }
11142
11143
11144
11145
11146 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11147 \protected@xdef\@thefnmark{\thempfn}%
11148 \@footnotemark\@RTLfootnotetext}}
11149 \def\@xRTLfootnote[#1]{%
11150 \begingroup
11151 \csname c@\@mpfn\endcsname #1\relax
11152 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11153 \endgroup
11154 \@footnotemark\@RTLfootnotetext}
11155 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11156 \protected@xdef\@thefnmark{\thempfn}%
11157 \@footnotemark\@LTRfootnotetext}}
11158 \def\@xLTRfootnote[#1]{%
11159 \begingroup
11160 \csname c@\@mpfn\endcsname #1\relax
11161 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11162 \endgroup
11163 \@footnotemark\@LTRfootnotetext}
11164
11165

```



```

11166 \def\setfootnoteRL{\@RTL@footnotetrue}
11167 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11168 \def\setfootnoteLR{\unsetfootnoteRL}
11169
11170 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
11171 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11172 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11173
11174 \long\def\@footnotetext#1{\insert\footins{%
11175   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11176   \reset@font%
11177   \bidi@footnotetext@font% \reset@font\footnotesize
11178   \interlinepenalty\interfootnotelinepenalty
11179   \splittopskip\footnotesep
11180   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11181   \hsize\columnwidth \@parboxrestore
11182   \protected@edef\@currentlabel{%
11183     \csname p@footnote\endcsname\@thefnmark
11184   }%
11185   \color@begingroup
11186     \@makefntext{%
11187       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11188     \color@endgroup}}}%
11189
11190
11191 \long\def\@RTLfootnotetext#1{\insert\footins{%
11192   \@RTLtrue%
11193   \reset@font%
11194   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11195   \interlinepenalty\interfootnotelinepenalty
11196   \splittopskip\footnotesep
11197   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11198   \hsize\columnwidth \@parboxrestore
11199   \protected@edef\@currentlabel{%
11200     \csname p@footnote\endcsname\@thefnmark
11201   }%
11202   \color@begingroup
11203     \@makefntext{%
11204       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11205     \color@endgroup}}}%
11206
11207 \long\def\@LTRfootnotetext#1{\insert\footins{%
11208   \@RTLfalse%
11209   \reset@font%
11210   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11211   \interlinepenalty\interfootnotelinepenalty
11212   \splittopskip\footnotesep
11213   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11214   \hsize\columnwidth \@parboxrestore
11215   \protected@edef\@currentlabel{%

```




```

11216      \csname p@footnote\endcsname\@thefnmark
11217    }%
11218    \color@begingroup
11219      \@makefntext{%
11220        \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11221    \color@endgroup}}%
11222
11223 \AtBeginDocument{%
11224   \if@RTL@footnote
11225     \newcommand*{\bidi@footdir@footnote}{R}
11226   \else
11227     \newcommand*{\bidi@footdir@footnote}{L}
11228   \fi%
11229 }
11230
11231 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11232 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11233 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11234
11235 \long\def\@mpRTLfootnotetext#1{%
11236   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnoterule%
11237   \global\setbox\@mpfootins\vbox{\@RTLtrue%
11238     \unvbox\@mpfootins
11239     \reset@font%
11240     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11241     \hsize\columnwidth
11242     \@parboxrestore
11243     \protected@edef\@currentlabel
11244       {\csname p@mpfootnote\endcsname\@thefnmark}%
11245     \color@begingroup
11246       \@makefntext{%
11247         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11248     \color@endgroup}}
11249 \long\def\@mpLTRfootnotetext#1{%
11250   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnoterule%
11251   \global\setbox\@mpfootins\vbox{\@RTLfalse%
11252     \unvbox\@mpfootins
11253     \reset@font%
11254     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11255     \hsize\columnwidth
11256     \@parboxrestore
11257     \protected@edef\@currentlabel
11258       {\csname p@mpfootnote\endcsname\@thefnmark}%
11259     \color@begingroup
11260       \@makefntext{%
11261         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11262     \color@endgroup}}
11263 \long\def\@mpfootnotetext#1{%
11264   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule\right@footnoterule%
11265   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%

```



```

11266 \unvbox\@mpfootins
11267 \reset@font%
11268 \bidi@@footnotetext@font% \reset@font\footnotesize
11269 \hsize\columnwidth
11270 \@parboxrestore
11271 \protected@edef\@currentlabel
11272     {\csname p@mpfootnote\endcsname\@thefnmark}%
11273 \color@begingroup
11274     \@makefntext{%
11275         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11276     \color@endgroup}}
11277 \def\@iiiminipage#1#2[#3]#4{%
11278     \leavevmode
11279     \@pboxswfalse
11280     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11281     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11282     \setlength\@tempdima{#4}%
11283     \def\@mpargs{{#1}{#2}[#3]{#4}}%
11284     \setbox\@tempboxa\vbox\bgroup
11285         \color@begingroup
11286         \hsize\@tempdima
11287         \textwidth\hsize \columnwidth\hsize
11288         \@parboxrestore
11289         \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11290         \let\@footnotetext\@mpfootnotetext
11291         \let\@LTRfootnotetext\@mpLTRfootnotetext
11292         \let\@RTLfootnotetext\@mpRTLfootnotetext
11293         \let\@listdepth\@mplistdepth \@mplistdepth\z@
11294         \@minipagerestore
11295         \@setminipage}
11296 \def\endminipage{%
11297     \par
11298     \unskip
11299     \ifvoid\@mpfootins\else
11300         \vskip\skip\@mpfootins
11301         \normalcolor
11302         \bidi@mpfootnoterule
11303         \unvbox\@mpfootins
11304     \fi
11305     \@minipagefalse %% added 24 May 89
11306 \color@endgroup
11307 \egroup
11308 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11309 \def\LTRthanks#1{\footnotemark
11310     \protected@xdef\@thanks{\@thanks
11311         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11312 }
11313 \def\LTRfootnotetext{%
11314     \ifnextchar [\@xLTRfootnotenext
11315         {\protected@xdef\@thefnmark{\thempfn}%

```



```

11316 \LTRfootnotetext}}
11317 \def\xLTRfootnotenext[#1]{%
11318 \begingroup
11319 \csname c@\mpfn\endcsname #1\relax
11320 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11321 \endgroup
11322 \LTRfootnotetext}
11323 \def\RTLthanks#1{\footnotemark
11324 \protected@xdef\@thanks{\@thanks
11325 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11326 }
11327 \let\@thanks\@empty
11328 \def\RTLfootnotetext{%
11329 \@ifnextchar [\xRTLfootnotenext
11330 {\protected@xdef\@thefnmark{\thempfn}%
11331 \RTLfootnotetext}}
11332 \def\xRTLfootnotenext[#1]{%
11333 \begingroup
11334 \csname c@\mpfn\endcsname #1\relax
11335 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11336 \endgroup
11337 \RTLfootnotetext}
11338 \leftfootnoterule

```

64 File framed-xetex-bidi.def

```

11339 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeTeX]
11340 \renewcommand\TitleBarFrame[3][\begingroup
11341 \ifx\delimiter#1\delimiter
11342 \let\TF@conlab\@empty
11343 \else
11344 \def\TF@conlab{% continuation label
11345 \nointerlineskip
11346 \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
11347 \fi
11348 %\let\TF@savecolor\current@color
11349 \textcolor{TFFrameColor}{%
11350 \CustomFBox
11351 {\TF@Title{#2}}{\TF@conlab}%
11352 \fboxrule\fboxrule\fboxrule\fboxrule
11353 %{\let\current@color\TF@savecolor\set@color #3}%
11354 {\normalcolor #3}%
11355 }\endgroup
11356 }
11357 \renewenvironment{titled-frame}[1]{%
11358 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
11359 \TitleBarFrame{\textbf{#1}}}%
11360 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
11361 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}}}%
11362 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt

```



```

11363 \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1} (cont.
11364 \def\LastFrameCommand{\fbxsep8pt\fbxrule2pt
11365 \TitleBarFrame{\textbf{#1} (cont)}}}%
11366 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11367 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11368 % could interfere with the width measurement.
11369 {\endMakeFramed}
11370 \chardef\FrameRestore=\catcode`\| % for debug
11371 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
11372 \def\fb@put@frame#1#2{\relax
11373 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
11374 | \message{===== Entering putframe =====^^J
11375 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
11376 \ifinner
11377 \fb@putboxa#1%
11378 \fb@afterframe
11379 \else
11380 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11381 \ifdim\dimen@<2\baselineskip % Too little room on page
11382 | \message{Page has only \the\dimen@ space room left; eject.}%
11383 \eject \fb@adjheight \fb@put@frame#1#2%
11384 \else % there's appreciable room left on the page
11385 \fb@sizeofframe#1%
11386 | \message{\string\pagetotal=\the\pagetotal,
11387 | \string\pagegoal=\the\pagegoal,
11388 | \string\pagestretch=\the\pagestretch,
11389 | \string\pageshrink=\the\pageshrink,
11390 | \string\fb@frh=\the\fb@frh. \space}
11391 | \message{^^JBox of size \the\ht\@tempboxa\space}%
11392 \begingroup % temporarily set \dimen@ to be...
11393 \advance\dimen@.8\pageshrink % maximum space available on page
11394 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11395 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11396 \expandafter\endgroup
11397 % expand \ifdim, then restore \dimen@ to real room left on page
11398 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11399 | \message{fits in \the\dimen@.}%
11400 % ToDo: Change this to use vsplit anyway to capture the marks
11401 % MERGE THIS WITH THE else CLAUSE!!!
11402 \fb@putboxa#1%
11403 \fb@afterframe
11404 \else % box must be split
11405 | \message{must be split to fit in \the\dimen@.}%
11406 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11407 \fb@sizeofframe#2%
11408 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11409 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11410 \kern137sp\kern-137sp\penalty-30
11411 \unvbox\@tempboxa}%
11412 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth

```



```

11413 \splittopskip\the\splittopskip}%
11414 \boxmaxdepth\z@ \splittopskip\z@
11415 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11416 | % Split box here
11417 | \setbox\tw@\vsplit\@tempboxa to\dimen@
11418 | \toks99\expandafter{\splitfirstmark}%
11419 | \toks98\expandafter{\splitbotmark}%
11420 | \message{Marks are: \the\toks99, \the\toks98. }%
11421 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11422 | \message{Natural height of split box is \the\ht\tw@, leaving
11423 | \the\ht\@tempboxa\space remainder. }%
11424 | % If the split-to size > (\vsize-\topskip), then set box to full size.
11425 | \begingroup
11426 | \advance\dimen@\topskip
11427 | \expandafter\endgroup
11428 | \ifdim\dimen@>\pagegoal
11429 | | \message{Frame is big -- Use up the full column. }%
11430 | | \dimen@ii\pagegoal
11431 | | \advance\dimen@ii -\topskip
11432 | | \advance\dimen@ii \FrameHeightAdjust\relax
11433 | \else % suspect this is implemented incorrectly:
11434 | | % If the split-to size > feasible room_on_page, rebox it smaller.
11435 | | \advance\dimen@.8\pageshrink
11436 | | \ifdim\ht\tw@>\dimen@
11437 | | | \message{Box too tall; rebox it to \the\dimen@. }%
11438 | | | \dimen@ii\dimen@
11439 | | | \else % use natural size
11440 | | | \dimen@ii\ht\tw@
11441 | | \fi
11442 | \fi
11443 | % Re-box contents to desired size \dimen@ii
11444 | \advance\dimen@ii -\fb@frh
11445 | \setbox\tw@\vbox to\dimen@ii \bgroup
11446 | % remove simulated frame and page flexibility:
11447 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11448 | \unvbox\tw@ \unpenalty\unpenalty
11449 | \ifdim\lastkern=-137sp % whole box went to next page
11450 | | \message{box split at beginning! }%
11451 | | % need work here???
11452 | | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11453 | | \fb@adjheight
11454 | | \fb@put@frame#1#2% INSERTED ???
11455 | \else % Got material split off at the head
11456 | | \egroup \fb@resto@set
11457 | | \ifvoid\@tempboxa % it all fit after all
11458 | | | \message{box split at end! }%
11459 | | | \setbox\@tempboxa\box\tw@
11460 | | | \fb@putboxa#1%
11461 | | | \fb@afterframe
11462 | | \else % it really did split

```



```

11463 |          \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11464 |          \ifdim\wd\tw@>\z@
11465 |              \wd\tw@\wd\@tempboxa
11466 |              \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11467 |          \else
11468 |              \message{Zero width means likely blank. Don't frame it (guess)}%
11469 |              \box\tw@
11470 |          \fi
11471 |          \hrule \@height\z@ \@width\hsize
11472 |          \eject
11473 |          \fb@adjheight
11474 |          \fb@put@frame\LastFrameCommand\MidFrameCommand
11475 |      \fi\fi\fi\fi\fi
11476 }
11477 \def\fb@putboxa#1{%
11478     \ifvoid\@tempboxa
11479         \PackageWarning{framed}{Boxa is void -- discard it. }%
11480     \else
11481 |         \message{Frame and place boxa. }%
11482 |         %{\showoutput\showbox\@tempboxa}%
11483         \centerline{#1{\hboxL{\box\@tempboxa}}}%
11484     \fi
11485 }
11486 \catcode`\|=\FrameRestore
11487 \def\FrameRestore{%
11488     \let\if@nbreak\iffalse
11489     \let\if@noskipsec\iffalse
11490     \let\-\@dischph
11491     \let'\@acci\let\` \@accii\let\=\@acciii
11492     % \message{FrameRestore:
11493     %     \@totalleftmargin=\the \@totalleftmargin,
11494     %     \rightmargin=\the\rightmargin,
11495     %     \@listdepth=\the\@listdepth. }%
11496     % Test if we are in a list (or list-like paragraph)
11497     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11498         \ifdim\rightmargin>\z@ 1\fi
11499         \ifnum\@listdepth>\z@ 1\fi 0>\z@
11500         % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11501         %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11502         %     \labelwidth=\the\labelwidth. }%
11503         \@setminipage % snug fit around the item
11504         % Now try to propagate changes of width from \hsize to list parameters.
11505         % This is deficient, but a more advanced way to indicate modification to text
11506         % dimensions is not (yet) provided; in particular, no separate left/right
11507         % adjustment.
11508         \advance\linewidth-\columnwidth \advance\linewidth\hsize
11509         \parshape\@ne \@totalleftmargin \linewidth
11510     \else % Not in list
11511         \linewidth=\hsize
11512         %\message{No list, set \string\linewidth=\the\hsize. }%

```



```

11513 \fi
11514 \sloppy
11515 }

```

65 File ftnright-xetex-bidi.def

```

11516 \ProvidesFile{ftnright-xetex-bidi.def}[2017/05/06 v0.5 bidi adaptations for ftnright package]
11517
11518 \def\LTR@outputdblcol{%
11519   \if@firstcolumn
11520     \global\@firstcolumnfalse
11521     \global\setbox\@leftcolumn\copy\@outputbox
11522     \global\count\footins\@m
11523     \global\skip\footins\rcol\footinsskip
11524     \splitmaxdepth\maxdimen
11525     \vbadness\maxdimen
11526     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11527     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11528     \toks@\expandafter{\topmark}%
11529     \xdef\@firstcoltopmark{\the\toks@}%
11530     \toks@\expandafter{\splitfirstmark}%
11531     \xdef\@firstcolfirstmark{\the\toks@}%
11532     \ifx\@firstcolfirstmark\@empty
11533       \global\let\@setmarks\relax
11534     \else
11535       \gdef\@setmarks{%
11536         \let\firstmark\@firstcolfirstmark
11537         \let\topmark\@firstcoltopmark}%
11538     \fi
11539   \else
11540     \preparefootins
11541     \global\@firstcolumntrue
11542     \setbox\@outputbox\vbox{%
11543       \hb@xt@\textwidth{%
11544         \hb@xt@\columnwidth{%
11545           \bidi@firstcolumn@status@write%
11546           \box\@leftcolumn \hss}%
11547         \hfil
11548         {\normalcolor\vrule \@width\columnseprule}%
11549         \hfil
11550         \hb@xt@\columnwidth{%
11551           \bidi@lastcolumn@status@write%
11552           \box\@outputbox \hss}}}%
11553   \@combinedblfloats
11554   \@setmarks
11555   \@outputpage
11556   \beginingroup
11557   \@dblfloatplacement
11558   \@startdblcolumn
11559   \@whilesw\if@fcolmade \fi{\@outputpage

```



```

11560     \@startdblcolumn}%
11561     \endgroup
11562 \fi}%
11563
11564
11565
11566 \def\RTL@outputdblcol{%
11567   \if@firstcolumn
11568     \global\@firstcolumnfalse
11569     \global\setbox\@leftcolumn\copy\@outputbox
11570     \global\count\footins\@m
11571     \global\skip\footins\rcol\footinsskip
11572     \splitmaxdepth\maxdimen
11573     \vbadness\maxdimen
11574     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11575     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11576     \toks@\expandafter{\topmark}%
11577     \xdef\@firstcoltopmark{\the\toks@}%
11578     \toks@\expandafter{\splitfirstmark}%
11579     \xdef\@firstcolfirstmark{\the\toks@}%
11580     \ifx\@firstcolfirstmark\@empty
11581       \global\let\@setmarks\relax
11582     \else
11583       \gdef\@setmarks{%
11584         \let\firstmark\@firstcolfirstmark
11585         \let\topmark\@firstcoltopmark}%
11586     \fi
11587   \else
11588     \preparefootins
11589     \global\@firstcolumntrue
11590     \setbox\@outputbox\vbox{%
11591       \hb@xt@\textwidth{%
11592         \hskip \columnwidth
11593         \hfil
11594         {\normalcolor\vrule \@width\columnseprule}%
11595         \hfil
11596         \hb@xt@\columnwidth{%
11597           \bidi@firstcolumn@status@write%
11598           \box\@leftcolumn \hss}%
11599         \hskip -\textwidth
11600         \hb@xt@\columnwidth{%
11601           \bidi@lastcolumn@status@write%
11602           \box\@outputbox \hss}%
11603         \hskip \columnsep
11604         \hskip \columnwidth }}%
11605     \@combinedblfloats
11606     \@setmarks
11607     \@outputpage
11608     \begingroup
11609     \@dblfloatplacement

```




```

11610 \startdblcolumn
11611 \whilesw@if@fcolmade \fi{\@outputpage
11612 \@startdblcolumn}%
11613 \endgroup
11614 \fi}%
11615
11616
11617
11618 \let\leftfootnoterule\@empty
11619 \let\rightfootnoterule\@empty
11620 \let\textwidthfootnoterule\@empty
11621 \let\autofootnoterule\@empty
11622 \let\footnoterule\@empty
11623 \long\def\@makefntext#1{\parindent 1em
11624 \noindent\hbox to 2em{}}%
11625 \llap{\@thefnmark\hbox{.}.\,.\,}#1}

```

```

11626 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
11627 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
11628   \Grot@setangle{#1}%
11629   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
11630   \Grot@x\z@
11631   \Grot@y\z@
11632   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11633 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11634   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11635   \Grot@x\width \divide\Grot@x\tw@
11636   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11637   \setkeys{Grot}{#1}%
11638   \setbox\z@\box\@tempboxa
11639   \Grot@setangle{#2}%
11640   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
11641   \@end@tempboxa}
11642 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11643   \leavevmode
11644   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11645   \setbox\z@\hbox{\setbox{#3}}%
11646   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11647   \ifdim#2\p@<\z@
11648     \ht\tw@-#2\dp\z@
11649     \dp\tw@-#2\ht\z@
11650   \else
11651     \ht\tw@#2\ht\z@
11652     \dp\tw@#2\dp\z@
11653   \fi
11654   \ifdim#1\p@<\z@
11655     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11656   \else

```



```

11657 \wd\tw@#1\wd\z@
11658 \box\tw@
11659 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11660 \def\Gin@iii[#1,#2][#3,#4]#5{%
11661 \begingroup
11662 \ifmmode\else\if@RTL\beginL\fi\fi
11663 \Gin@bboxtrue
11664 \Gin@defaultbp\Gin@llx{#1}%
11665 \Gin@defaultbp\Gin@lly{#2}%
11666 \Gin@defaultbp\Gin@urx{#3}%
11667 \Gin@defaultbp\Gin@ury{#4}%
11668 \Gininclude@graphics{#5}%
11669 \ifmmode\else\if@RTL\endL\fi\fi
11670 \endgroup}
11671 \def\Gin@ii[#1]#2{%
11672 \def\@tempa{[]}\def\@tempb{#2}%
11673 \ifx\@tempa\@tempb
11674 \def\@tempa{\Gin@iii[#1] []}%
11675 \expandafter\@tempa
11676 \else
11677 \begingroup
11678 \ifmmode\else\if@RTL\beginL\fi\fi
11679 \@tempswafalse
11680 \toks@{\Gininclude@graphics{#2}}%
11681 \setkeys{Gin}{#1}%
11682 \Gin@esetsize
11683 \the\toks@
11684 \ifmmode\else\if@RTL\endL\fi\fi
11685 \endgroup
11686 \fi}
11687 \def\reflectbox{\bidiGscale@box-1[1]}
11688 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11689 \leavevmode
11690 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11691 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11692 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11693 \ifdim#2\p<\z@
11694 \ht\tw@-#2\dp\z@
11695 \dp\tw@-#2\ht\z@
11696 \else
11697 \ht\tw@#2\ht\z@
11698 \dp\tw@#2\dp\z@
11699 \fi
11700 \ifdim#1\p<\z@
11701 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11702 \else
11703 \wd\tw@#1\wd\z@
11704 \box\tw@
11705 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11706 \def\scalebox#1{%

```



```

11707 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}
11708 \def\resizebox{%
11709 \leavevmode
11710 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11711 \def\bidiGscale@@box#1#2#3{%
11712 \let\@tempa\Gin@exclamation
11713 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11714 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11715 \ifx\@tempb\@tempa
11716 \ifx\@tempc\@tempa
11717 \toks@{\mbox}%
11718 \else
11719 \toks@{\bidiGscale@box@dd{#3}#1}%
11720 \fi
11721 \else
11722 \ifx\@tempc\@tempa
11723 \toks@{\bidiGscale@box@dd{#2}\width}%
11724 \else
11725 \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11726 \fi
11727 \fi
11728 \the\toks@}
11729 \long\def\bidiGscale@box@dd#1#2#3{%
11730 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11731 \setlength\@tempdima{#1}%
11732 \setlength\@tempdimb{#2}%
11733 \Gscale@div\@tempa\@tempdima\@tempdimb
11734 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11735 \@end@tempboxa}
11736 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
11737 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
11738 \setlength\@tempdima{#1}%
11739 \setlength\@tempdimb{#2}%
11740 \Gscale@div\@tempa\@tempdima\@tempdimb
11741 \setlength\@tempdima{#3}%
11742 \setlength\@tempdimb{#4}%
11743 \Gscale@div\@tempb\@tempdima\@tempdimb
11744 \ifGin@iso
11745 \ifdim\@tempa\p>\@tempb\p@
11746 \let\@tempa\@tempb
11747 \else
11748 \let\@tempb\@tempa
11749 \fi
11750 \fi
11751 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11752 \@end@tempboxa}

```

67 File geometry-xetex-bidi.def

```

11753 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package ]

```



```

11754 \renewcommand*{\Gm@vrules@mpi}{%
11755 \if@RTLmain%
11756     \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11757     \llap{\Gm@vrule}\ignorespaces
11758     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11759     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11760 \else%
11761 \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
11762 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11763 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11764 \renewcommand*{\Gm@vrules@mpii}{%
11765 \if@RTLmain%
11766 \hb@xt@{\@tempdima{\llap{\Gm@vrule}\ignorespaces
11767 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11768 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11769 \else%
11770 \hb@xt@{\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11771 \llap{\Gm@vrule}\ignorespaces
11772 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11773 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11774 \bidi@patchcmd{\Gm@pageframes}{%
11775 \ifodd\count\z@
11776 \let\@themargin\oddsidemargin
11777 \else
11778 \let\@themargin\evensidemargin
11779 \fi
11780 }{%
11781 \ifodd\count\z@
11782 \if@RTLmain
11783 \let\@themargin\evensidemargin
11784 \else
11785 \let\@themargin\oddsidemargin
11786 \fi
11787 \else
11788 \if@RTLmain
11789 \let\@themargin\oddsidemargin
11790 \else
11791 \let\@themargin\evensidemargin
11792 \fi
11793 \fi
11794 }{}{}

```

68 File hvfloat-xetex-bidi.def

```

11795 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11796 \def\do@hvFloat[#1]#2#3{%
11797 \def\hv@shortCap{#1}
11798 \def\hv@longCap{#2}
11799 \def\hv@label{#3}
11800 %\newcommand*{\hvFloat}[5][[]]{%

```



```

11801% [#1]: keyvalues
11802% #2: type figure | table | ...
11803% #3: float contents
11804% [#4]: short caption
11805% #5: caption
11806% #6: label
11807% \setDefault%
11808% \def\@tempa{#1}%
11809% \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi set options, only when not empty
11810% \def\@tempa{90}%
11811% \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11812% \else \setlength{\hvMaxCapWidth}{\linewidth}
11813% \fi
11814%
11815% First we save the object in \hvObjectBox
11816%
11817% \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11818% \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11819% \else
11820% \savebox{\hvObjectBox}{%
11821% \rotatebox{\hvSet@objectAngle}{%
11822% \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11823% \fi
11824% \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11825%
11826% Now we save the caption with its defined \hvCapWidth
11827%
11828% \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11829% \else
11830% \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11831% \else
11832% \setlength{\hvCapWidth}{\hvObjectWidth}
11833% \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11834% \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11835% \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11836% \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11837% \else
11838% \setlength{\hvCapWidth}{\hvMaxCapWidth}
11839% \fi
11840% \fi
11841% \fi
11842%
11843% now we have the object and the caption with the right
11844% rotated angles saved in boxes
11845%
11846% \def\fps@figure{\hvSet@floatPos}
11847% \ifhv@nonFloat\begin{group}% Start the nonfloat part
11848% \else \begin{\hv@floatType}% Start the floating environment
11849% \fi%
11850% \saveCaptionSkip% we put this space ourselves

```



```

11851 \ifx\hvSet@capAngle\hv@Width % need rotation?
11852 \sbox{\hvCaptionBox}{%
11853 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11854 \ifhv@nonFloat%
11855 \ifhv@onlyText#2%
11856 \else%
11857 \ifx\hv@floatType\hv@figure
11858 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11859 \else
11860 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11861 \fi
11862 \fi
11863 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11864 \fi%
11865 \label{#3}%
11866 \end{minipage}%
11867 }%
11868 \else%
11869 \sbox{\hvCaptionBox}{%
11870 \rotatebox{\hvSet@capAngle}{%
11871 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11872 \ifhv@nonFloat%
11873 \ifhv@onlyText#2%
11874 \else%
11875 \ifx\hv@floatType\hv@figure
11876 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11877 \else
11878 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11879 \fi
11880 \fi
11881 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11882 \fi%
11883 \label{#3}%
11884 \end{minipage}%
11885 }%
11886 }%
11887 \fi%
11888 %%
11889 \restoreCaptionSkip% save old values
11890 \ifx\hvSet@objectPos\hv@Right\@bidi@raggedleft%
11891 \else%
11892 \ifx\hvSet@objectPos\hv@Center
11893 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11894 \fi%
11895 \fi%
11896 %
11897 % to rotate object and caption together, we save all in another box
11898 % the caption comes first, if its on the left or the top
11899 %
11900 \savebox{\@tempboxa}{%

```



```

11901 \ifx\hvSet@capPos\hv@Left % caption on left side
11902 \if@RTL%
11903 \ifx\hvSet@capVPos\hv@Center%
11904 \ifhv@fbox
11905 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11906 \else
11907 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11908 \fi%
11909 \hspace{\hvSet@floatCapSep pt}%
11910 \ifhv@fbox
11911 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11912 \else
11913 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11914 \fi%
11915 \else%
11916 \ifx\hvSet@capVPos\hv@Top
11917 \ifhv@fbox
11918 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11919 \else
11920 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11921 \fi%
11922 \hspace{\hvSet@floatCapSep pt}%
11923 \ifhv@fbox
11924 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11925 \else
11926 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11927 \fi
11928 \else
11929 \ifhv@fbox
11930 \fbox{\usebox{\hvObjectBox}}%
11931 \else
11932 \usebox{\hvObjectBox}%
11933 \fi
11934 \hspace{\hvSet@floatCapSep pt}%
11935 \ifhv@fbox
11936 \fbox{\usebox{\hvCaptionBox}}%
11937 \else
11938 \usebox{\hvCaptionBox}%
11939 \fi%
11940 \fi%
11941 \fi%
11942 \else% not RTL
11943 \ifx\hvSet@capVPos\hv@Center%
11944 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11945 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11946 \fi%
11947 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11948 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
11949 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11950 \fi%

```



```

11951 \else%
11952 \ifx\hvSet@capVPos\hv@Top % caption at top
11953 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11954 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11955 \fi
11956 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11957 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11958 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
11959 \fi%
11960 \else% caption on bottom
11961 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
11962 \else\usebox{\hvCaptionBox}
11963 \fi%
11964 \hspace{\hvSet@floatCapSep pt}%
11965 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
11966 \else \usebox{\hvObjectBox}
11967 \fi%
11968 \fi%
11969 \fi% end of RTL
11970 \fi%
11971 \else
11972 \ifx\hvSet@capPos\hv@Top
11973 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11974 \begin{minipage}{\wd\hvCaptionBox}
11975 \else
11976 \begin{minipage}{\wd\hvObjectBox}
11977 \fi
11978 \centering
11979 \ifhv@fbox
11980 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
11981 \fbbox{\usebox{\hvObjectBox}}
11982 \else
11983 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
11984 \usebox{\hvObjectBox}
11985 \fi%
11986 \end{minipage}
11987 \else
11988 \ifx\hvSet@capPos\hv@Bottom
11989 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
11990 \begin{minipage}{\wd\hvCaptionBox}
11991 \else
11992 \begin{minipage}{\wd\hvObjectBox}
11993 \fi
11994 \centering
11995 \ifhv@fbox
11996 \fbbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
11997 \fbbox{\usebox{\hvCaptionBox}}
11998 \else
11999 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12000 \usebox{\hvCaptionBox}

```




```

12001 \fi%
12002 \end{minipage}
12003 \else% the last option: put the caption on the right
12004 \if@RTL%
12005     \ifx\hvSet@capVPos\hv@Center%
12006         \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12007         \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12008         \fi%
12009     \hspace{\hvSet@floatCapSep pt}% capfloatsep
12010     \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12011     \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12012     \fi%
12013 \else%
12014     \ifx\hvSet@capVPos\hv@Top % caption at top
12015         \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12016         \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12017         \fi
12018     \hspace{\hvSet@floatCapSep pt}% capfloatsep
12019     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}
12020     \else \raisebox{-\height}{\usebox{\hvObjectBox}}
12021     \fi%
12022 \else% caption on bottom
12023     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
12024     \else\usebox{\hvCaptionBox}
12025     \fi%
12026     \hspace{\hvSet@floatCapSep pt}%
12027     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
12028     \else \usebox{\hvObjectBox}
12029     \fi%
12030 \fi%
12031 \fi%
12032 \else% not RTL
12033 \ifx\hvSet@capVPos\hv@Center%
12034 \ifhv@fbox
12035 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12036 \else
12037 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12038 \fi%
12039 \hspace{\hvSet@floatCapSep pt}%
12040 \ifhv@fbox
12041 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12042 \else
12043 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12044 \fi%
12045 \else%
12046 \ifx\hvSet@capVPos\hv@Top
12047 \ifhv@fbox
12048 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12049 \else
12050 \raisebox{-\height}{\usebox{\hvObjectBox}}%

```



```

12051 \fi%
12052 \hspace{\hvSet@floatCapSep pt}%
12053 \ifhv@fbox
12054 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12055 \else
12056 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12057 \fi
12058 \else
12059 \ifhv@fbox
12060 \fbox{\usebox{\hvObjectBox}}%
12061 \else
12062 \usebox{\hvObjectBox}%
12063 \fi
12064 \hspace{\hvSet@floatCapSep pt}%
12065 \ifhv@fbox
12066 \fbox{\usebox{\hvCaptionBox}}%
12067 \else
12068 \usebox{\hvCaptionBox}%
12069 \fi%
12070 \fi%
12071 \fi
12072 \fi% end of RTL
12073 \fi
12074 \fi
12075 \fi
12076 }% End savebox Object and caption
12077 %
12078 % now we rotate the object and caption, if needed
12079 %
12080 \ifx\hvSet@rotAngle\hv@Zero
12081 \usebox{\@tempboxa}
12082 \else
12083 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12084 \fi
12085 \ifhv@nonFloat
12086 \ifx\hvSet@objectPos\hv@Center
12087 \ifhv@nonFloat
12088 \hspace{\fill}
12089 \fi
12090 \fi
12091 \endgroup% End the nonfloat part
12092 \else
12093 \end{\hv@floatType}% End the floating environment
12094 \fi
12095 }

```

69 File hyperref-xetex-bidi.def

```

12096 \ProvidesFile{hyperref-xetex-bidi.def}[2017/08/09 v1.0 bidi adaptations for hyperref package]
12097 \AtBeginDocument{%

```



```

12098 \def\contentsline#1#2#3#4{%
12099   \ifx\\#4\\%
12100     \csname l@#1\endcsname{#2}{#3}%
12101   \else
12102     \ifcase\Hy@linktoc % none
12103       \csname l@#1\endcsname{#2}{#3}%
12104     \or % section
12105       \csname l@#1\endcsname{%
12106         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12107       }{#3}%
12108     \or % page
12109       \csname l@#1\endcsname{{#2}}{%
12110         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12111       }%
12112     \else % all
12113       \csname l@#1\endcsname{%
12114         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12115       }{%
12116         \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12117       }%
12118     \fi
12119   \fi
12120 }
12121 \ifHy@hyperfootnotes
12122   \let\H@@footnotetext\@footnotetext
12123   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12124   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12125   \def\xfootnotenext[#1]{%
12126     \begingroup
12127       \csname c@\@mpfn\endcsname #1\relax
12128       \unrestored@protected@xdef\@thefnmark{\thempfn}%
12129     \endgroup
12130     \ifx\@footnotetext\@mpfootnotetext
12131       \expandafter\H@@mpfootnotetext
12132     \else
12133       \expandafter\H@@footnotetext
12134     \fi
12135   }%
12136   \def\xRTLfootnotenext[#1]{%
12137     \begingroup
12138       \csname c@\@mpfn\endcsname #1\relax
12139       \unrestored@protected@xdef\@thefnmark{\thempfn}%
12140     \endgroup
12141     \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12142       \expandafter\HRTL@mpRTLfootnotetext
12143     \else
12144       \expandafter\HRTL@RTLfootnotetext
12145     \fi
12146   }%
12147   \def\xLTRfootnotenext[#1]{%

```



```

12148 \begingroup
12149 \csname c@\mpfn\endcsname #1\relax
12150 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12151 \endgroup
12152 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12153 \expandafter\HLTR@\mpLTRfootnotetext
12154 \else
12155 \expandafter\HLTR@\@LTRfootnotetext
12156 \fi
12157 }%
12158 \def\@xfootnotemark[#1]{%
12159 \begingroup
12160 \c@footnote #1\relax
12161 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12162 \endgroup
12163 \H@@footnotemark
12164 }%
12165 \let\H@@mpfootnotetext\@mpfootnotetext
12166 \let\HRTL@\mpRTLfootnotetext\@mpRTLfootnotetext
12167 \let\HLTR@\mpLTRfootnotetext\@mpLTRfootnotetext
12168 \long\def\@mpfootnotetext#1{%
12169 \H@@mpfootnotetext{%
12170 \ifHy@nesting
12171 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12172 \else
12173 \Hy@raisedlink{%
12174 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12175 }#1%
12176 \fi
12177 }%
12178 }%
12179 \long\def\@mpRTLfootnotetext#1{%
12180 \HRTL@\mpRTLfootnotetext{%
12181 \ifHy@nesting
12182 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12183 \else
12184 \Hy@raisedlink{%
12185 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12186 }#1%
12187 \fi
12188 }%
12189 }%
12190 \long\def\@mpLTRfootnotetext#1{%
12191 \HLTR@\mpLTRfootnotetext{%
12192 \ifHy@nesting
12193 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12194 \else
12195 \Hy@raisedlink{%
12196 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12197 }#1%

```



```

12198     \fi
12199   }%
12200 }%
12201 \long\def\@footnotetext#1{%
12202   \H@@footnotetext{%
12203     \ifHy@nesting
12204       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12205     \else
12206       \Hy@raisedlink{%
12207         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12208       }%
12209       \let\@currentHlabel\Hy@footnote@currentHlabel
12210       \let\@currentHref\Hy@footnote@currentHref
12211       \let\@currentlabelname\@empty
12212       #1%
12213     \fi
12214   }%
12215 }%
12216 \long\def\@RTLfootnotetext#1{%
12217   \HRTL@@RTLfootnotetext{%
12218     \ifHy@nesting
12219       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12220     \else
12221       \Hy@raisedlink{%
12222         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12223       }%
12224       \let\@currentHlabel\Hy@footnote@currentHlabel
12225       \let\@currentHref\Hy@footnote@currentHref
12226       \let\@currentlabelname\@empty
12227       #1%
12228     \fi
12229   }%
12230 }%
12231 \long\def\@LTRfootnotetext#1{%
12232   \HLTR@@LTRfootnotetext{%
12233     \ifHy@nesting
12234       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12235     \else
12236       \Hy@raisedlink{%
12237         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12238       }%
12239       \let\@currentHlabel\Hy@footnote@currentHlabel
12240       \let\@currentHref\Hy@footnote@currentHref
12241       \let\@currentlabelname\@empty
12242       #1%
12243     \fi
12244   }%
12245 }%
12246 \@ifpackageloaded{tabularx}{%
12247   \let\HyOrg@TX@endtabularx\TX@endtabularx

```



```

12248 \def\Hy@tabularx@hook{%
12249   \let\@footnotetext\H@@footnotetext
12250   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12251   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12252   \let\@footnotemark\H@@footnotemark
12253   \let\@mpfootnotetext\H@@mpfootnotetext
12254   \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
12255   \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
12256 }%
12257 \begingroup
12258   \toks@\expandafter{\TX@endtabularx}%
12259   \xdef\Hy@gtemp{%
12260     \noexpand\Hy@tabularx@hook
12261     \the\toks@
12262   }%
12263 \endgroup
12264 \let\TX@endtabularx\Hy@gtemp
12265 }{}%
12266 \@ifpackageloaded{longtable}{%
12267   \CheckCommand*{\LT@p@LTRftntext}[1]{%
12268     \edef\@tempa{%
12269       \the\LT@p@ftn
12270       \noexpand\LTRfootnotetext[\the\c@footnote]%
12271     }%
12272     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12273   }%
12274   \long\def\LT@p@LTRftntext#1{%
12275     \edef\@tempa{%
12276       \the\LT@p@ftn
12277       \begingroup
12278         \noexpand\c@footnote=\the\c@footnote\relax
12279         \noexpand\protected@xdef\noexpand\@thefnmark{%
12280           \noexpand\thempfn
12281         }%
12282         \noexpand\Hy@LT@LTRfootnotetext{%
12283           \Hy@footnote@currentHref
12284         }%
12285       }%
12286       \global\LT@p@ftn\expandafter{%
12287         \@tempa{#1}%
12288       }%
12289     }%
12290   }%
12291   \long\def\Hy@LT@LTRfootnotetext#1#2{%
12292     \HLTR@@LTRfootnotetext{%
12293       \ifHy@nesting
12294         \hyper@@anchor{#1}{#2}%
12295       \else
12296         \Hy@raisedlink{%
12297           \hyper@@anchor{#1}{\relax}%

```



```

12298         }%
12299         \def\@currentHref{#1}%
12300         \let\@currentlabelname\@empty
12301         #2%
12302     \fi
12303 }%
12304 }%
12305 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12306     \edef\@tempa{%
12307         \the\LT@p@ftn
12308         \noexpand\RTLfootnotetext[\the\c@footnote]%
12309     }%
12310     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12311 }%
12312 \long\def\LT@p@RTLftntext#1{%
12313     \edef\@tempa{%
12314         \the\LT@p@ftn
12315         \begingroup
12316         \noexpand\c@footnote=\the\c@footnote\relax
12317         \noexpand\protected@xdef\noexpand\@thefnmark{%
12318             \noexpand\thempfn
12319         }%
12320         \noexpand\Hy@LT@RTLfootnotetext{%
12321             \Hy@footnote@currentHref
12322         }%
12323     }%
12324     \global\LT@p@ftn\expandafter{%
12325         \@tempa{#1}%
12326     \endgroup
12327 }%
12328 }%
12329 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12330     \HRTL@@RTLfootnotetext{%
12331         \ifHy@nesting
12332             \hyper@@anchor{#1}{#2}%
12333         \else
12334             \Hy@raisedlink{%
12335                 \hyper@@anchor{#1}{\relax}%
12336             }%
12337             \def\@currentHref{#1}%
12338             \let\@currentlabelname\@empty
12339             #2%
12340         \fi
12341     }%
12342 }%
12343 }{}%
12344 \@ifpackageloaded{bidipoem}{%
12345     \long\def\bidipoem@p@ftntext#1{%
12346         \edef\@tempx{%
12347             \the\bidipoem@p@ftn

```



```

12348     \begingroup
12349     \noexpand\csname c@\mpfn\endcsname=\the\csname c@\mpfn\endcsname\relax
12350     \noexpand\protected@xdef\noexpand\@thefnmark{%
12351     \noexpand\thempfn
12352     }%
12353     \noexpand\Hy@bidipoem@footnotetext{%
12354     \Hy@footnote@currentHref
12355     }%
12356   }%
12357   \global\bidipoem@p@ftn\expandafter{%
12358   \@tempxi{#1}%
12359   \endgroup
12360 }%
12361 }%
12362 \long\def\Hy@bidipoem@footnotetext#1#2{%
12363   \H@@footnotetext{%
12364     \ifHy@nesting
12365     \hyper@@anchor{#1}{#2}%
12366   \else
12367     \Hy@raisedlink{%
12368     \hyper@@anchor{#1}{\relax}%
12369     }%
12370     \def\@currentHref{#1}%
12371     \let\@currentlabelname\@empty
12372     #2%
12373   \fi
12374   }%
12375 }%
12376   \long\def\bidipoem@p@LTRftntext#1{%
12377   \edef\@tempxi{%
12378   \the\bidipoem@p@ftn
12379   \begingroup
12380     \noexpand\csname c@\mpfn\endcsname=\the\csname c@\mpfn\endcsname\relax
12381     \noexpand\protected@xdef\noexpand\@thefnmark{%
12382     \noexpand\thempfn
12383     }%
12384     \noexpand\Hy@bidipoem@LTRfootnotetext{%
12385     \Hy@footnote@currentHref
12386     }%
12387   }%
12388   \global\bidipoem@p@ftn\expandafter{%
12389   \@tempxi{#1}%
12390   \endgroup
12391   }%
12392 }%
12393 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12394   \HLTR@@LTRfootnotetext{%
12395     \ifHy@nesting
12396     \hyper@@anchor{#1}{#2}%
12397   \else

```




```

12398      \Hy@raisedlink{%
12399      \hyper@@anchor{#1}{\relax}%
12400      }%
12401      \def\@currentHref{#1}%
12402      \let\@currentlabelname\@empty
12403      #2%
12404      \fi
12405      }%
12406      }%
12407      \long\def\bidipoem@p@RTLftntext#1{%
12408      \edef\@tempxi{%
12409      \the\bidipoem@p@ftn
12410      \begingroup
12411      \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12412      \noexpand\protected\edef\noexpand\@thefnmark{%
12413      \noexpand\thempfn
12414      }%
12415      \noexpand\Hy@bidipoem@RTLfootnotetext{%
12416      \Hy@footnote@currentHref
12417      }%
12418      }%
12419      \global\bidipoem@p@ftn\expandafter{%
12420      \@tempxi{#1}%
12421      \endgroup
12422      }%
12423      }%
12424      \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12425      \HRTL@RTLfootnotetext{%
12426      \ifHy@nesting
12427      \hyper@@anchor{#1}{#2}%
12428      \else
12429      \Hy@raisedlink{%
12430      \hyper@@anchor{#1}{\relax}%
12431      }%
12432      \def\@currentHref{#1}%
12433      \let\@currentlabelname\@empty
12434      #2%
12435      \fi
12436      }%
12437      }%
12438      }{}%
12439      \let\HyOrg@maketitle\maketitle
12440      \def\maketitle{%
12441      \let\Hy@saved@footnotemark\@footnotemark
12442      \let\Hy@saved@footnotetext\@footnotetext
12443      \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12444      \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12445      \let\@footnotemark\H@footnotemark
12446      \let\@footnotetext\H@footnotetext
12447      \let\@RTLfootnotetext\HRTL@RTLfootnotetext

```



```

12448 \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12449 \@ifnextchar[\Hy@maketitle@optarg{% ]
12450 \HyOrg@maketitle
12451 \Hy@maketitle@end
12452 }%
12453 }%
12454 \def\Hy@maketitle@optarg[#1]{%
12455 \HyOrg@maketitle[{#1}]%
12456 \Hy@maketitle@end
12457 }%
12458 \def\Hy@maketitle@end{%
12459 \ifx\@footnotemark\H@@footnotemark
12460 \let\@footnotemark\Hy@saved@footnotemark
12461 \fi
12462 \ifx\@footnotetext\H@@footnotetext
12463 \let\@footnotetext\Hy@saved@footnotetext
12464 \fi
12465 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12466 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12467 \fi
12468 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12469 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12470 \fi
12471 }%
12472 \def\realfootnote{%
12473 \@ifnextchar[\@xfootnote{%
12474 \stepcounter{\@mpfn}%
12475 \protected@xdef\@thefnmark{\thempfn}%
12476 \H@@@footnotemark\H@@@footnotetext
12477 }%
12478 }%
12479 \fi
12480 \def\Hy@BeginAnnot#1{%
12481 \ifmmode\else\beginL\fi%
12482 \global\advance\c@Hy@AnnotLevel\@ne
12483 \ifnum\c@Hy@AnnotLevel=\@ne
12484 #1%
12485 \fi
12486 }
12487 \def\Hy@endAnnot{%
12488 \ifnum\c@Hy@AnnotLevel=\@ne
12489 \Hy@endcolorlink
12490 \@pdfmark{eann}%
12491 \fi
12492 \global\advance\c@Hy@AnnotLevel\m@ne
12493 \ifmmode\else\endL\fi%
12494 }
12495 \def\hyper@link#1#2#3{%
12496 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\
12497 }

```



```

12498 \def\hyper@linkfile#1#2#3{%
12499   \leavevmode
12500   \Hy@BeginAnnot{%
12501     \def\Hy@pstringF{#2}%
12502     \Hy@CleanupFile\Hy@pstringF
12503     \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12504     \Hy@pstringdef\Hy@pstringD{#3}%
12505     \Hy@MakeRemoteAction
12506     \@pdfm@mark{%
12507       bann<<%
12508         /Type/Annot%
12509         /Subtype/Link%
12510         \ifHy@pdfa /F 4\fi
12511         \Hy@setpdfborder
12512         \ifx\@filebordercolor\relax
12513         \else
12514           /C[\@filebordercolor]%
12515         \fi
12516         /A<<%
12517         /S/GoToR%
12518         /F(\Hy@pstringF)%
12519         /D%
12520         \ifx\#3\%
12521           [\Hy@href@page\@pdfremotestartview]%
12522         \else
12523           (\Hy@pstringD)%
12524         \fi
12525         \Hy@SetNewWindow
12526         \Hy@href@nextactionraw
12527       >>%
12528     >>%
12529   }%
12530   \Hy@colorlink\@filecolor
12531 }%
12532 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12533 \Hy@EndAnnot
12534 }
12535 \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12536   \leavevmode
12537   \Hy@BeginAnnot{%
12538     \Hy@pstringdef\Hy@pstringF{#1}%
12539     \Hy@pstringdef\Hy@pstringP{#3}%
12540     \@pdfm@mark{%
12541       bann<<%
12542         /Type/Annot%
12543         /Subtype/Link%
12544         \ifHy@pdfa /F 4\fi
12545         \Hy@setpdfborder
12546         \ifx\@runbordercolor\relax
12547         \else

```



```

12548         /C[\@runbordercolor]%
12549     \fi
12550     /A<<%
12551         /F(\Hy@pstringF)%
12552         /S/Launch%
12553         \Hy@SetNewWindow
12554         \ifx\#3\%
12555         \else
12556             /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12557         \fi
12558         \Hy@href@nextactionraw
12559     >>%
12560 >>%
12561 }%
12562 \Hy@colorlink\@runcolor
12563 }%
12564 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12565 \Hy@endAnnot
12566 }
12567 \def\hyper@linkurl#1#2{%
12568     \leavevmode
12569     \Hy@BeginAnnot{%
12570         \Hy@pstringdef\Hy@pstringURI{#2}%
12571         \@pdfmark{%
12572             bann<<%
12573                 /Type/Annot%
12574                 /Subtype/Link%
12575                 \ifHy@pdfa /F 4\fi
12576                 \Hy@setpdfborder
12577                 \ifx\@urlbordercolor\relax
12578                 \else
12579                     /C[\@urlbordercolor]%
12580                 \fi
12581                 /A<<%
12582                     /S/URI%
12583                     /URI(\Hy@pstringURI)%
12584                     \ifHy@href@ismap
12585                         /IsMap true%
12586                     \fi
12587                     \Hy@href@nextactionraw
12588                 >>%
12589             >>%
12590         }%
12591         \Hy@colorlink\@urlcolor
12592     }%
12593     \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12594     \Hy@endAnnot
12595 }
12596 \def\Acrobatmenu#1#2{%
12597     \Hy@Acrobatmenu{#1}{#2}%

```



```

12598 \Hy@BeginAnnot{%
12599 \EdefEscapeName\Hy@temp@menu{#1}%
12600 \@pdfm@mark{%
12601 bann<<%
12602 /Type/Annot%
12603 /Subtype/Link%
12604 \ifHy@pdfa /F 4\fi
12605 \Hy@setpdfborder
12606 \ifx\@menubordercolor\relax
12607 \else
12608 /C[\@menubordercolor]%
12609 \fi
12610 /A<<%
12611 /S/Named%
12612 /N/\Hy@temp@menu
12613 \Hy@href@nextactionraw
12614 >>%
12615 >>%
12616 }%
12617 \Hy@colorlink\@menucolor
12618 }%
12619 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12620 \Hy@endAnnot
12621 }%
12622 }
12623 \def\hyper@natlinkstart#1{%
12624 \Hy@backout{#1}%
12625 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12626 \def\hyper@nat@current{#1}%
12627 }
12628 \def\hyper@natlinkend{%
12629 \if@RTL\endR\fi\hyper@linkend
12630 }
12631 \def\hyper@natlinkbreak#1#2{%
12632 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12633 }%
12634 }
12635 \pdfstringdefDisableCommands{%
12636 \let\LRE\@firstofone
12637 \let\LR\@firstofone
12638 \let\RLE\@firstofone
12639 \let\RL\@firstofone
12640 \def\XeTeX{XeTeX}
12641 \def\XeLaTeX{XeLaTeX}
12642 }
12643 \@ifpackageloaded{longtable}{%
12644 \begingroup
12645 \def\y{\LT@array}%
12646 \@ifundefined{scr@LT@array}{%
12647 \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%

```



```

12648 }{\def\y{\scr@LT@array}}%
12649 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12650   \expandafter\endgroup
12651   \expandafter\def\y[##1]##2{%
12652     \H@refstepcounter{#1}%
12653     \hyper@makecurrent{table}%
12654     \let\Hy@LT@currentHref\@currentHref
12655     #2\@sharp####4%
12656   }%
12657 }%
12658 \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
12659 \begingroup
12660   \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12661     \endgroup
12662     \def\LT@start{%
12663       #1%
12664       \ifvoid\LT@foot#2\fi
12665       \let\@currentHref\Hy@LT@currentHref
12666       \Hy@raisedlink{%
12667         \hyper@anchorstart{\@currentHref}\hyper@anchorend
12668       }%
12669       #3%
12670     }%
12671   }%
12672   \expandafter\x\LT@start\@nil
12673 }{}

```

70 File `imsproc-xetex-bidi.def`

```

12674 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsproc class for ]
12675 \newenvironment{thebibliography}[1]{%
12676   \@bibtitlestyle
12677   \normalfont\bibliofont\labelsep .5em\relax
12678   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
12679   \ifRTL\ifLTR\bibitems\@RTLfalse\else\fi\else\ifRTL\bibitems\@RTLtrue\else\fi\fi
12680   \bidi@thebibliography@font@hook
12681   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12682     \leftmargin\labelwidth \advance\leftmargin\labelsep
12683     \usecounter{enumiv}}%
12684   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12685   \sfcode`\.=\@m
12686 }{%
12687   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12688   \endlist
12689 }
12690
12691 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12692   \columnseprule\z@ \columnsep 35\p@
12693   \@indextitlestyle
12694   \thispagestyle{plain}%

```



```

12695 \let\item\@idxitem
12696 \parindent\z@ \parskip\z@\@plus.3\p@\relax
12697 \if@RTL\raggedleft\else\raggedright\fi
12698 \hyphenpenalty\@M
12699 \footnotesize}
12700 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12701 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12702 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12703
12704 \def\right@footnoterule{%
12705 \kern-.4\p@
12706 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12707 \kern11\p@\kern-\footnotesep}
12708 \def\left@footnoterule{\kern-.4\p@
12709 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12710 \def\@makefnmark{%
12711 \leavevmode
12712 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
12713 }
12714
12715 \def\part{\@startsection{part}{0}%
12716 \z@\linespacing\@plus\linespacing}{.5\linespacing}%
12717 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12718 \def\@tocline#1#2#3#4#5#6#7{\relax
12719 \ifnum #1>\c@tocdepth % then omit
12720 \else
12721 \par \addpenalty\@secpenalty\addvspace{#2}%
12722 \begingroup \hyphenpenalty\@M
12723 \@ifempty{#4}{%
12724 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12725 }{%
12726 \@tempdima#4\relax
12727 }%
12728 \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi#4\relax
12729 \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12730 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12731 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12732 \nobreak
12733 \endgroup
12734 \fi}
12735 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12736 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12737 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12738 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12739 \def\maketitle{\par
12740 \@topnum\z@ % this prevents figures from falling at the top of page 1
12741 \@setcopyright
12742 \thispagestyle{firstpage}% this sets first page specifications
12743 \uppercasenonmath\shorttitle
12744 \ifx\@empty\shortauthors \let\shortauthors\shorttitle

```



```

12745 \else \andify\shortauthors
12746 \fi
12747 \@maketitle@hook
12748 \begingroup
12749 \@maketitle
12750 \toks@{\xp{\shortauthors}\@temptokena\xp{\shorttitle}}%
12751 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
12752 \edef\@tempa{%
12753   \@nx\markboth{\the\toks4
12754     \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12755 \@tempa
12756 \endgroup
12757 \c@footnote\z@
12758 \@cleartopmattertags
12759 }

```

71 File leqno-xetex-bidi.def

```

12760 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX e
12761 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12762 \rlap{\hskip -\displaywidth
12763   {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```

72 File letter-xetex-bidi.def

```

12764 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
12765 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
12766   \thispagestyle{firstpage}%
12767   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12768 \else % home address
12769   \thispagestyle{empty}%
12770   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12771     \fromaddress \*[2\parskip]%
12772     \@date \end{tabular}\par}%
12773 \fi
12774 \vspace{2\parskip}%
12775 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
12776 \vspace{2\parskip}%
12777 #1\par\nobreak}
12778 \renewcommand\left@footnoterule{%
12779   \kern-\p@
12780   \hrule \@width .4\columnwidth
12781   \kern .6\p@}
12782 \renewcommand\right@footnoterule{%
12783   \kern-\p@
12784   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12785   \kern .6\p@}

```

73 File lettrine-xetex-bidi.def




```

12786 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package]
12787 \def\@lettrine[#1]#2#3{%
12788   \setcounter{L@lines}{\theDefaultLines}%
12789   \setcounter{L@depth}{\theDefaultDepth}%
12790   \renewcommand*{\L@hang}{\DefaultLhang}%
12791   \renewcommand*{\L@oversize}{\DefaultLoversize}%
12792   \renewcommand*{\L@raise}{\DefaultLraise}%
12793   \renewcommand*{\L@ante}{}%
12794   \setlength{\L@Findent}{\DefaultFindent}%
12795   \setlength{\L@Nindent}{\DefaultNindent}%
12796   \setlength{\L@slope}{\DefaultSlope}%
12797   \setlength{\L@novskip}{\DiscardVskip}%
12798   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12799   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12800   \if\DefaultOptionsFile\relax
12801   \else
12802     \begingroup
12803     \InputIfFileExists{\DefaultOptionsFile}%
12804     {}%
12805     {\PackageWarning{lettrine.sty}%
12806      {File \DefaultOptionsFile\space not found}}%
12807     {}%
12808     \def\color##1##{\l@color{##1}}%
12809     \let\l@color\@gobbletwo
12810     \def\textcolor##1##{\l@textcolor{##1}}%
12811     \def\l@textcolor##1##2##3{##3}%
12812     \expandafter\ifx\csname l@#2-keys\endcsname\relax
12813       \gdef\l@LOKeys{}%
12814     \else
12815       \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12816     \fi
12817   \endgroup
12818   \def\KV@prefix{KV@L@}%
12819   \let\@tempc\relax
12820   \expandafter\KV@do\l@LOKeys,\relax,
12821   \sbox{\L@lbox}{\LettrineFont #2}%
12822   \setlength{\LettrineWidth}{\wd\L@lbox}%
12823   \def\KV@prefix{KV@L@}%
12824   \let\@tempc\relax
12825   \expandafter\KV@do\l@LOKeys,\relax,
12826   \fi
12827   \setkeys{L}{#1}%
12828   \ifL@image
12829     \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12830   \else
12831     \sbox{\L@lbox}{\LettrineFont #2}%
12832   \fi
12833   \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12834   \@tempdima=\baselineskip
12835   \ifnum\theL@lines=1

```



```

12836 \setlength{\L@first}{\ht\L@lbox}%
12837 \addtolength{\L@first}{-\ht\L@tbox}%
12838 \setlength{\L@lraise}{\z@}%
12839 \else
12840 \setlength{\L@first}{-\theL@lines\@tempdima}%
12841 \addtolength{\L@first}{\@tempdima}%
12842 \sbox{\@tempboxa}{\LettrineTextFont x}%
12843 \addtolength{\L@first}{-\ht\@tempboxa}%
12844 \setlength{\L@lraise}{-\L@raise\L@first}%
12845 \addtolength{\L@first}{\L@lraise}%
12846 \addtolength{\L@first}{\ht\L@lbox}%
12847 \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12848 \addtolength{\L@lraise}{\@tempdima}%
12849 \fi
12850 \par
12851 \ifdim\L@first>\L@novskip
12852 \ifL@grid
12853 \@tempdima=\baselineskip
12854 \@tempdimb=\@tempdima
12855 \advance\@tempdimb by \L@novskip
12856 \@tempcnta=1
12857 \loop\ifdim\L@first>\@tempdimb
12858 \advance\@tempcnta by 1
12859 \advance\L@first by -\@tempdima
12860 \repeat
12861 \vskip\@tempcnta\baselineskip
12862 \else
12863 \vskip\L@first
12864 \fi
12865 \fi
12866 \setlength{\L@Pindent}{\wd\L@lbox}%
12867 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12868 \settowidth{\L@first}{\L@ante}%
12869 \addtolength{\L@Pindent}{\L@first}%
12870 \addtolength{\L@Pindent}{\L@Findent}%
12871 \setlength{\L@first}{\linewidth}%
12872 \addtolength{\L@first}{-\L@Pindent}%
12873 \addtolength{\L@Nindent}{\L@Pindent}%
12874 \setlength{\L@next}{\linewidth}%
12875 \addtolength{\L@next}{-\L@Nindent}%
12876 \addtolength{\L@Pindent}{\rightmargin}%
12877 \addtolength{\L@Nindent}{\rightmargin}%
12878 \setlength{\LettrineWidth}{\wd\L@lbox}%
12879 \setlength{\LettrineHeight}{\ht\L@lbox}%
12880 \setlength{\LettrineDepth}{\dp\L@lbox}%
12881 \addtocounter{L@lines}{1}%
12882 \addtocounter{L@lines}{\the\c@L@depth}%
12883 \if@RTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@P
12884 \@tempcnta=\tw@
12885 \@whilenum \@tempcnta<\c@L@lines\do{%

```



```

12886 \if@RTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \tl
12887 \addtolength{\L@Nindent}{\L@slope}%
12888 \addtolength{\L@next}{-\L@slope}%
12889 \advance\@tempcnta\@ne}%
12890 \if@RTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \tl
12891 \noindent
12892 \parshape=\L@parshape\relax
12893 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12894 \hskip \the\L@Findent}}}%
12895 \usebox{\L@tbox}%
12896 }

```

74 File lineno-xetex-bidi.def

```

12897 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/27 v0.1 bidi adaptations for lineno package for X
12898 \bidi@patchcmd{\MakeLineNo}{%
12899 \hb@xt@\z@\makeLineNumber}%
12900 }{%
12901 \hboxL to \z@\makeLineNumber}%
12902 }{}{}
12903
12904 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
12905 \if@RTL
12906 \hb@xt@\linewidthwidth{\LineNumber\hss}
12907 \else
12908 \LineNumber
12909 \fi
12910 }{}{}
12911
12912 \bidi@patchcmd{\makeLineNumberRight}{%
12913 \hb@xt@\linewidthwidth{\hss\LineNumber}%
12914 }{%
12915 \if@RTL
12916 \LineNumber
12917 \else
12918 \hb@xt@\linewidthwidth{\hss\LineNumber}%
12919 \fi
12920 }{}{}
12921
12922 \bidi@AfterPreamble{%
12923 \if@RTLmain
12924 \rightlinenumbers*
12925 \else
12926 \leftlinenumbers*
12927 \fi
12928 \@ifpackagewith{lineno}{left}{%
12929 \leftlinenumbers*
12930 }{}
12931 \@ifpackagewith{lineno}{right}{%
12932 \rightlinenumbers*

```



```

12933 }{}
12934 }
12935

```

75 File listings-xetex-bidi.def

```

12936 \ProvidesFile{listings-xetex-bidi.def}[2017/01/14 v1.4 bidi adaptations for listings package]
12937 \lst@Key{captiondirection}{textdirection}{%
12938   \lstKV@SwitchCases{#1}%
12939   {textdirection&\\%
12940     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12941     LTR&\chardef\bidi@lst@caption@direction\z@%
12942   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12943
12944 \lst@Key{captionscript}{textscript}{%
12945   \lstKV@SwitchCases{#1}%
12946   {textscript&\\%
12947     latin&\chardef\bidi@lst@caption@script\@ne\\%
12948     nonlatin&\chardef\bidi@lst@caption@script\z@%
12949   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12950
12951 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
12952   \@ifundefined{bidi@lst@caption@direction}{\}%
12953   \ifnum\bidi@lst@caption@direction=\z@%
12954     #1%
12955   \else%
12956     \ifnum\bidi@lst@caption@direction=\@ne%
12957       #2%
12958     \fi%
12959   \fi%
12960 }}
12961
12962 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
12963   \@ifundefined{bidi@lst@caption@script}{\}%
12964   \ifnum\bidi@lst@caption@script=\z@%
12965     #1%
12966   \else%
12967     \ifnum\bidi@lst@caption@script=\@ne%
12968       #2%
12969     \fi%
12970   \fi%
12971 }}
12972
12973 \long\def\@bidi@lst@makecaption#1#2{%
12974   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
12975   \vskip\abovecaptionskip
12976   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
12977   \sbox\@tempboxa{%
12978     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
12979     #1: #2%

```



```

12980 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
12981 }%
12982 \ifdim \wd\@tempboxa >\hsize
12983   #1: #2\par
12984 \else
12985   \global \@minipagefalse
12986   \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
12987 \fi
12988 \vskip\belowcaptionskip}%
12989 \def\lst@makecaption{\@bidi@lst@makecaption}
12990 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
12991 \bidi@AtEndPreamble{%
12992 \bidi@patchcmd{\lst@MakeCaption}{%
12993   \ifx #1t%
12994     \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
12995       \expandafter\refstepcounter
12996     \fi \lstlisting}%
12997 }{%
12998   \ifx #1t%
12999     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13000     \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else
13001       \expandafter\refstepcounter
13002     \fi \lstlisting}%
13003     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13004 }{}{}%
13005 \bidi@patchcmd{\lst@MakeCaption}{%
13006   \addcontentsline{lol}{\lstlisting}%
13007   {\protect\numberline{\thelstlisting}\lst@caption}%
13008 }{%
13009 \begingroup%
13010   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13011   \addcontentsline{lol}{\lstlisting}%
13012   {\protect\numberline{\thelstlisting}\lst@caption}%
13013 \endgroup%
13014 }{}{}%
13015 }
13016 \@ifpackageloaded{caption}{%
13017   \AtBeginCaption{%
13018     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13019     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13020 }
13021 \let\@bidi@lst@makecaption\caption@makecaption%
13022 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
13023 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
13024 }{%
13025 \AtBeginDocument{%
13026 \@ifundefined{captionlabelfalse}{}{%
13027   \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
13028 \@ifundefined{caption@startrue}{}{%
13029   \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%

```



```

13030 }%
13031 }
13032 \AtBeginDocument{
13033   \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{ }
13034   \lst@ifnumberbychapter
13035     \gdef\thelstlisting%
13036       {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13037   \else
13038     \gdef\thelstlisting{\@arabic\c@lstlisting}
13039   \fi}

```

76 File loadingorder-xetex-bidi.def

```

13040 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
13041 \bidi@isloaded{amsmath}
13042 \bidi@isloaded{amstext}
13043 \bidi@isloaded{amsthm}
13044 \bidi@isloaded{animate}
13045 \bidi@isloaded{breqn}
13046 \bidi@isloaded{cals}
13047 \bidi@isloaded{caption}
13048 \bidi@isloaded{crop}
13049 \bidi@isloaded{cuted}
13050 \bidi@isloaded{cutwin}
13051 \bidi@isloaded{color}
13052 \bidi@isloaded{dblfnote}
13053 \bidi@isloaded{diagbox}
13054 \bidi@isloaded{xcolor}
13055 \bidi@isloaded{colortbl}
13056 \bidi@isloaded{float}
13057 \bidi@isloaded{floatrow}
13058 \bidi@isloaded{flowfram}
13059 \bidi@isloaded{framed}
13060 \bidi@isloaded{ftnright}
13061 \bidi@isloaded{xltextra}
13062 \bidi@isloaded{xunicode}
13063 \bidi@isloaded{wrapfig}
13064 \bidi@isloaded{graphicx}
13065 \bidi@isloaded{geometry}
13066 \bidi@isloaded{hvfloat}
13067 \bidi@isloaded{mdframed}
13068 \bidi@isloaded{midfloat}
13069 \bidi@isloaded{ntheorem}
13070 \bidi@isloaded{ntheorem-hyper}
13071 \bidi@isloaded{hyperref}
13072 \bidi@isloaded{fancybox}
13073 \bidi@isloaded{fancyhdr}
13074 \bidi@isloaded{fix2col}
13075 \bidi@isloaded{draftwatermark}
13076 \bidi@isloaded{empheq}

```



```

13077 \bidi@isloaded{overpic}
13078 \bidi@isloaded{pdfpages}
13079 \bidi@isloaded{listings}
13080 \bidi@isloaded{lettrine}
13081 \bidi@isloaded{lineno}
13082 \bidi@isloaded{media9}
13083 \bidi@isloaded{pstricks}
13084 \bidi@isloaded{pgf}
13085 \bidi@isloaded{picinpar}
13086 \bidi@isloaded{quotchap}
13087 \bidi@isloaded{tikz}
13088 \bidi@isloaded{titlesec}
13089 \bidi@isloaded{titletoc}
13090 \bidi@isloaded{array}
13091 \bidi@isloaded{soul}
13092 \bidi@isloaded{stabular}
13093 \bidi@isloaded{subfig}
13094 \bidi@isloaded{subfigure}
13095 \bidi@isloaded{supertabular}
13096 \bidi@isloaded{xtab}
13097 \bidi@isloaded{longtable}
13098 \bidi@isloaded{arydshln}
13099 \bidi@isloaded{multicol}
13100 \bidi@isloaded{multienum}
13101 \bidi@isloaded{minitoc}
13102 \bidi@isloaded{natbib}
13103 \bidi@isloaded{newfloat}
13104 \bidi@isloaded{ragged2e}
13105 \bidi@isloaded{rotating}
13106 \bidi@isloaded{tbls}
13107 \bidi@isloaded{tabulary}
13108 \bidi@isloaded{tocbasic}
13109 \bidi@isloaded{tocstyle}
13110 \bidi@isloaded{tocbibind}
13111 \bidi@isloaded{fontspec}
13112 \bidi@isloaded{arabxetex}
13113 \bidi@isloaded{polyglossia}
13114 \bidi@isloaded{fancyvrb}
13115 \AtBeginDocument{
13116   \if@bidi@amsmathloaded@ \else
13117     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
13118   \fi%
13119   \if@bidi@amstextloaded@ \else
13120     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}{}]
13121   \fi%
13122   \if@bidi@amsthmloaded@ \else
13123     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package}{}]
13124   \fi%
13125   \if@bidi@animateloaded@ \else
13126     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package}{}]

```



```

13127 \fi%
13128 \if@bidi@breqnloaded@else
13129   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package.
13130 \fi%
13131   \if@bidi@calsloaded@else
13132   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package.
13133 \fi%
13134 \if@bidi@captionloaded@else
13135   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package.
13136 \fi%
13137 \if@bidi@croploaded@else
13138   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package.
13139 \fi%
13140 \if@bidi@colorloaded@else
13141   \ifpackageloaded{hyperref}{\fi%
13142   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package.
13143 \fi%
13144 \if@bidi@cutwinloaded@else
13145   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package.
13146 \fi%
13147   \if@bidi@cutedloaded@else
13148   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package.
13149 \fi%
13150 \if@bidi@dblfnoteloaded@else
13151   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
13152 \fi%
13153 \if@bidi@diagboxloaded@else
13154   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi package.
13155 \fi%
13156 \if@bidi@xcolorloaded@else
13157   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package.
13158 \fi%
13159 \if@bidi@colortblloaded@else
13160   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
13161 \fi%
13162 \if@bidi@floatloaded@else
13163   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package.
13164 \fi%
13165   \if@bidi@floatrowloaded@else
13166   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
13167 \fi%
13168 \if@bidi@flowframloaded@else
13169   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
13170 \fi%
13171 \if@bidi@framedloaded@else
13172   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package.
13173 \fi%
13174   \if@bidi@ftnrightloaded@else
13175   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
13176 \fi%

```




```

13177 \if@bidi@xltxtraloaded@else
13178   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi packag
13179 \fi%
13180 \if@bidi@xunicodeloaded@else
13181   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi packa
13182 \fi%
13183 \if@bidi@wrapfigloaded@else
13184   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packag
13185 \fi%
13186 \if@bidi@graphicxloaded@else
13187   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi packa
13188 \fi%
13189   \if@bidi@geometryloaded@else
13190     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi packa
13191 \fi%
13192 \if@bidi@hvfloatloaded@else
13193   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packag
13194 \fi%
13195   \if@bidi@mdframedloaded@else
13196     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi packa
13197 \fi%
13198   \if@bidi@midfloatloaded@else
13199     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi packa
13200 \fi%
13201   \if@bidi@ntheoremloaded@else
13202     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi packa
13203 \fi%
13204 \if@bidi@hyperrefloaded@else
13205   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13206 \fi%
13207   \if@bidi@fancyboxloaded@else
13208     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13209 \fi%
13210 \if@bidi@fancyhdrloaded@else
13211   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13212 \fi%
13213 \if@bidi@draftwatermarkloaded@else
13214   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bid
13215 \fi%
13216 \if@bidi@empheqloaded@else
13217   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package
13218 \fi%
13219   \if@bidi@overpicloaded@else
13220     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packa
13221 \fi%
13222 \if@bidi@pdfpagesloaded@else
13223   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi packa
13224 \fi%
13225 \if@bidi@lettrineloaded@else
13226   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi packa

```



```

13227 \fi%
13228 \if@bidi@linenoloaded@else
13229 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi package}{}]
13230 \fi%
13231 \if@bidi@listingsloaded@else
13232 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package}{}]
13233 \fi%
13234 \csname if@bidi@media9loaded@endcsname\else
13235 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package}{}]
13236 \fi%
13237 \if@bidi@pstricksloaded@else
13238 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package}{}]
13239 \fi%
13240 \if@bidi@pgfloaded@else
13241 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package}{}]
13242 \fi%
13243 \if@bidi@picinparloaded@else
13244 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package}{}]
13245 \fi%
13246 \if@bidi@quotchaploaded@else
13247 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package}{}]
13248 \fi%
13249 \if@bidi@tikzloaded@else
13250 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package}{}]
13251 \fi%
13252 \if@bidi@titlesecloaded@else
13253 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package}{}]
13254 \fi%
13255 \if@bidi@titletocloaded@else
13256 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package}{}]
13257 \fi%
13258 \if@bidi@arrayloaded@else
13259 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package}{}]
13260 \fi%
13261 \if@bidi@stabularloaded@else
13262 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package}{}]
13263 \fi%
13264 \if@bidi@soulloaded@else
13265 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package}{}]
13266 \fi%
13267 \if@bidi@subfigloaded@else
13268 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package}{}]
13269 \fi%
13270 \if@bidi@subfigureloaded@else
13271 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package}{}]
13272 \fi%
13273 \if@bidi@supertabularloaded@else
13274 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi package}{}]
13275 \fi%
13276 \if@bidi@xtableloaded@else

```



```

13277 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package
13278 \fi%
13279 \if@bidi@longtableloaded@else
13280 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13281 \fi%
13282 \if@bidi@arydshlnloaded@else
13283 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi packa
13284 \fi%
13285 \if@bidi@multicolloaded@else
13286 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13287 \fi%
13288 \if@bidi@multienumloaded@else
13289 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13290 \fi%
13291 \if@bidi@minitocloaded@else
13292 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
13293 \fi%
13294 \if@bidi@natbibloaded@else
13295 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packag
13296 \fi%
13297 \if@bidi@newfloatloaded@else
13298 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13299 \fi%
13300 \csname if@bidi@ragged2eloaded@endcsname\else
13301 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13302 \fi%
13303 \if@bidi@rotatingloaded@else
13304 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13305 \fi%
13306 \if@bidi@tblsloaded@else
13307 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package
13308 \fi%
13309 \if@bidi@tabularyloaded@else
13310 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13311 \fi%
13312 \if@bidi@tocbasicloaded@else
13313 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13314 \fi%
13315 \if@bidi@tocstyleloaded@else
13316 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi packa
13317 \fi%
13318 \if@bidi@tocbibindloaded@else
13319 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13320 \fi%
13321 \if@bidi@fontspecloaded@else
13322 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi packa
13323 \fi%
13324 \if@bidi@arabxetexloaded@else
13325 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13326 \fi%

```



```

13327 \if@bidi@polyglossialoaded@else
13328 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi pa
13329 \fi%
13330 \if@bidi@fancyvrbloaded@else
13331 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi packa
13332 \fi%
13333 }

```

77 File longtable-xetex-bidi.def

```

13334 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package]
13335 \def\LT@array[#1]#2{%
13336 \refstepcounter{table}\stepcounter{LT@tables}%
13337 \if l#1%
13338 \if@RTLtab\LTleft\fill \Ltright\z@else\LTleft\z@ \Ltright\fill\fi
13339 \else\if r#1%
13340 \if@RTLtab\LTleft\z@ \Ltright\fill\else\LTleft\fill \Ltright\z@\fi
13341 \else\if c#1%
13342 \LTleft\fill \Ltright\fill
13343 \fi\fi\fi
13344 \let\LT@mcol\multicolumn
13345 \let\LT@@tabarray\@tabarray
13346 \let\LT@@hl\hline
13347 \def\@tabarray{%
13348 \let\hline\LT@@hl
13349 \LT@@tabarray}%
13350 \let\LT@tabularcr\let\tabularnewline\%
13351 \def\newpage{\noalign{\break}}%
13352 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13353 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}%
13354 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13355 \@tempdima\ht\strutbox
13356 \let\@endpbox\LT@endpbox
13357 \ifx\extrarowheight\@undefined
13358 \let\@acol\@tabacol
13359 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13360 \def\@startpbox{\vtop\LT@startpbox}%
13361 \let\@@startpbox\@startpbox
13362 \let\@@endpbox\@endpbox
13363 \let\LT@LL@FM@cr\@tabularcr
13364 \else
13365 \advance\@tempdima\extrarowheight
13366 \col@sep\@tabcolsep
13367 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13368 \fi
13369 \setbox\@arstrutbox\hbox{\vrule
13370 \@height \arraystretch \@tempdima
13371 \@depth \arraystretch \dp \strutbox
13372 \@width \z@}%
13373 \let\@sharp#\let\protect\relax

```



```

13374 \begingroup
13375 \mkpream{#2}%
13376 \xdef\LT@bchunk{%
13377   \global\advance\c@LT@chunks\@ne
13378   \global\LT@rows\z@\setbox\z@\vbox\bgroup
13379   \LT@setprevdepth
13380   \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13381   \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13382 \endgroup
13383 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13384 \LT@make@row
13385 \m@th\let\par\@empty
13386 \everycr{}\lineskip\z@\baselineskip\z@
13387 \LT@bchunk}
13388 \def\LT@makecaption#1#2#3{%
13389   \LT@mc@LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
13390     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13391     \ifdim\wd\@tempboxa>\hsize
13392       #1{#2: }#3%
13393     \else
13394       \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13395     \fi
13396     \endgraf\vskip\baselineskip}%
13397   \hss}}}
13398 \ifpackageloaded{caption}{%
13399   \renewcommand\LT@makecaption[3]{%
13400     \caption@LT@make{%
13401       \caption@settype*\LTcaptype
13402       \ifdim\LTcapwidth=4in \else
13403         \setcaptionwidth\LTcapwidth
13404       \fi
13405       \caption@setoptions{longtable}%
13406       \caption@setoptions{@longtable}%
13407       \caption@LT@setup
13408       \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13409       \caption@startrue#1\caption@starfalse
13410       \caption@prepare@stepcounter\LTcaptype{LT}%
13411       \caption@begin\LTcaptype
13412       \caption@normalsize
13413       \vskip-\ht\strutbox
13414       \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13415       \caption@@make{#2}{#3}\endgraf
13416       \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13417       \caption@end}}}%
13418 }{}
13419 \def\LT@startpbox#1{%
13420   \bgroup
13421   \let\@footnotetext\LT@p@fnttext
13422   \let\@LTRfootnotetext\LT@p@LTRfnttext
13423   \let\@RTLfootnotetext\LT@p@RTLfnttext

```



```

13424 \setlength\hsize{#1}%
13425 \@arrayparboxrestore
13426 \vrule \@height \ht\@arstrutbox \@width \z@}
13427 \def\LT@p@LTRftntext#1{%
13428 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
13429 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13430 \def\LT@p@RTLftntext#1{%
13431 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13432 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13433
13434
13435 \def\LT@output{%
13436 \ifnum\outputpenalty <-\@Mi
13437 \ifnum\outputpenalty > -\LT@end@pen
13438 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13439 \else
13440 \setbox\z@\vbox{\unvbox\@cclv}%
13441 \ifdim \ht\LT@lastfoot>\ht\LT@foot
13442 \dimen@ \pagegoal
13443 \advance\dimen@-\ht\LT@lastfoot
13444 \ifdim\dimen@<\ht\z@
13445 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13446 \@makecol
13447 \@outputpage
13448 \setbox\z@\vbox{\box\LT@head}%
13449 \fi
13450 \fi
13451 \global\@colroom\@colht
13452 \global\vsizel\@colht
13453 \vbox
13454 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13455 \fi
13456 \else
13457 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13458 \@makecol
13459 \@outputpage
13460 \global\vsizel\@colroom
13461 \copy\LT@head\nobreak
13462 \fi}

```

78 File mathtools-xetex-bidi.def

```

13463 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13464 \MHInternalSyntaxOn
13465 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13466 \namedef{MT_tagform_#1:n}##1
13467 {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i
13468 }
13469 \renewtagform{default}{\{()\}}
13470 \MHInternalSyntaxOff

```



79 File mdframed-xetex-bidi.def

```

13471 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13472 \newif\if@bidi@mdf@RTL
13473 \def\mdf@lrbox#1{%
13474   \mdf@patchamsthm%patch amsthm
13475   \if@RTL\@bidi@mdf@RTLtrue\fi%
13476   \@RTLfalse%
13477   \setbox#1\vbox\bgroup%
13478   \color@begingroup%
13479   \if@bidi@mdf@RTL\@RTLtrue\fi%
13480   \mdf@horizontalmargin@equation%
13481   \columnwidth=\hsize%
13482   \textwidth=\hsize%
13483   \let\if@nobreak\iffalse%
13484   \let\if@noskipsec\iffalse%
13485   \let\par\@par%
13486   \let\-\@dischyph%
13487   \let'\@acci\let'\@accii\let\=\@acciii%
13488   \parindent\z@ \parskip\z@skip%
13489   \linewidth\hsize%
13490   \@totalleftmargin\z@%
13491   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13492   \parfillskip\@flushglue \lineskip\normallineskip%
13493   \baselineskip\normalbaselineskip%
13494 %% \sloppy%
13495 \let\\\@normalcr%
13496 \mdf@par@local%New feature to restore parskip/parindent local in save box
13497 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13498 \@afterindentfalse%
13499 %\@afterheading%
13500 }
13501 \renewrobustcmd\mdfframedtitleenv[1]{%
13502   \mdf@lrbox{\mdf@frametitlebox}%
13503   \mdf@frametitlealignment%
13504   \leavevmode{\color{\mdf@frametitlefontcolor}%
13505     \normalfont\mdf@frametitlefont{#1}
13506     \ifbool{mdf@ignorelastdescenders}%
13507       {%
13508         \par\strut\par
13509         \unskip\unskip\setbox0=\lastbox
13510         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13511       }{}}%
13512   \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
13513   \endmdf@lrbox\relax%
13514   \mdf@ignorevbadness%
13515   \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13516   \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13517   \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13518   \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%

```



```

13519 \mdfframetitleboxtotalheight=\dimexpr
13520 \ht\mdf@frametitlebox
13521 +\dp\mdf@frametitlebox%
13522 +\mdf@frametitleaboveskip@length
13523 +\mdf@frametitlebelowskip@length
13524 \relax%
13525 }
13526
13527 \renewrobustcmd*\mdf@footnoteoutput{%
13528 \ifvoid\@mpfootins\else%
13529 \nobreak%
13530 \vskip\mdf@footnotedistance@length%
13531 \normalcolor%
13532 \bidi@mpfootnoterule%
13533 \unvbox\@mpfootins%
13534 \fi%
13535 }
13536
13537
13538 \renewrobustcmd*\mdf@footnoteinput{%
13539 \def\@mpfn{\mpfootnote}%
13540 \def\thempfn{\thempfootnote}%
13541 \c@mpfootnote\z@%
13542 \let\@footnotetext\@mpfootnotetext%
13543 \let\@LTRfootnotetext\@mpLTRfootnotetext%
13544 \let\@RTLfootnotetext\@mpRTLfootnotetext%
13545 }

```

80 File bidi-media9.sty

```

13546 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13547 {bidi fixes for media9 package for the XeTeX engine}
13548
13549 \keys_define:nn{media9/mbtn}{
13550 draft .code:n = {},
13551 final .code:n = {},
13552
13553 tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13554 tooltip .value_required:n = {true},
13555
13556 overface .code:n = {
13557 \sbox\l_mix_poster_box{
13558 \bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13559 \mix_pdfxform:n{\l_mix_poster_box}
13560 \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13561 },
13562 overface .value_required:n = {true},
13563
13564 downface .code:n = {
13565 \sbox\l_mix_poster_box{

```




```

13566     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13567     \mix_pdfxform:n{\l_mix_poster_box}
13568     \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13569 },
13570 downface .value_required:n = {true},
13571
13572 3Dgotoview .code:n = {
13573     \tl_set:Nx\l_tmpa_tl{#1}                %extract ref
13574     \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl
13575     \tl_trim_spaces:N\l_tmpa_tl
13576     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13577         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13578             \tl_set:Nx\l_tmpb_tl{#1}          %extract idx
13579             \regex_replace_once:nnN{([~:~]+:~?){}\l_tmpb_tl
13580             \tl_trim_spaces:N\l_tmpb_tl
13581             \tl_if_blank:VF\l_tmpb_tl{
13582                 \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13583                     \tl_set:Nx\l_mix_vidx_tl{/~\l_tmpb_tl}
13584                 }{
13585                     \regex_match:nVTF{^~d+~$}\l_tmpb_tl{
13586                         \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
13587                     }{
13588                         \regex_replace_once:nnN{^~(\s*){}}\l_tmpb_tl
13589                         \regex_replace_once:nnN{(\s*)$}{~}\l_tmpb_tl
13590                         \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13591                     }
13592                 }
13593             }
13594             \mix_pdfobj:nnn{}{dict}{
13595                 /S/JavaScript/JS~(
13596                     if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13597                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13598                         annotRM['\l_tmpa_tl']=
13599                             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13600                     }
13601                     annotRM['\l_tmpa_tl'].activated=true;
13602                 )
13603                 \tl_if_blank:VF\l_tmpb_tl{
13604                     /Next~<<
13605                     /S/GoTo3DView
13606                     /TA~\tl_use:c{ann@\l_tmpa_tl}
13607                     /V\l_mix_vidx_tl
13608                 }
13609             }
13610         }
13611         \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13612     }
13613 }{
13614     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13615     \cs_if_exist:NF\g_mix_refundefwarned_tl{

```



```

13616         \tl_new:N\g_mix_refundefwarned_tl
13617         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13618     }
13619 }
13620 },
13621 3Dgotoview .value_required:n = {true},
13622
13623 mediacommand .code:n = {
13624     \tl_set:Nx\l_tmpa_tl{#1}
13625     \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl %extract ref
13626     \tl_trim_spaces:N\l_tmpa_tl
13627     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13628         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13629             \tl_set:Nx\l_tmpb_tl{#1}
13630             \regex_replace_once:nnN{([~:~]+):??}{\1}\l_tmpb_tl
13631             \tl_trim_spaces:N\l_tmpb_tl
13632             \regex_replace_all:nnN{^{|}|$}{\1}\l_tmpb_tl
13633             \tl_set:Nx\l_mix_cmd_tl{
13634                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13635             \tl_trim_spaces:N\l_mix_cmd_tl
13636             \tl_set:Nx\l_mix_arg_tl{
13637                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13638             \tl_trim_spaces:N\l_mix_arg_tl
13639             \mix_pdfobj:nnn{}{dict}{
13640                 /S/JavaScript/JS~(
13641                     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13642                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13643                         annotRM['\l_tmpa_tl']=
13644                             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13645                     }
13646                     annotRM['\l_tmpa_tl'].activated=true;
13647                 )
13648                 \tl_if_blank:VF\l_mix_cmd_tl{
13649                     /Next~<<
13650                     /S/RichMediaExecute
13651                     /TA~\tl_use:c{ann@\l_tmpa_tl}
13652                     /TI~\tl_use:c{main@\l_tmpa_tl}
13653                     /CMD~<<
13654                     /C~(\l_mix_cmd_tl)
13655                     \tl_if_blank:VF\l_mix_arg_tl{
13656                         /A~[\l_mix_arg_tl]
13657                     }
13658                     >>
13659                 >>
13660             }
13661         }
13662         \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13663     }
13664 }{
13665     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}

```



```

13666     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13667       \tl_new:N\g_mix_refundefwarned_tl
13668       \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13669     }
13670   }
13671 },
13672 mediacommand .value_required:n = {true},
13673
13674 jsaction .code:n = {
13675   \tl_set:Nx\l_tmpa_tl{#1}
13676   \regex_match:nVTF{^[^:]+\:.*$}\l_tmpa_tl{
13677     \regex_replace_once:nnN{([:]+\:.*){??.*}{\1}\l_tmpa_tl %extract ref
13678     \tl_trim_spaces:N\l_tmpa_tl
13679   }{\tl_clear:N\l_tmpa_tl}
13680   \tl_set:Nx\l_tmpb_tl{#1}
13681   \tl_if_blank:VF\l_tmpa_tl{
13682     \tl_if_exist:cF{ann@\l_tmpa_tl}{
13683       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13684       \cs_if_exist:NF\g_mix_refundefwarned_tl{
13685         \tl_new:N\g_mix_refundefwarned_tl
13686         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13687       }
13688     }
13689     \regex_replace_once:nnN{[^:]+\:.*}{\l_tmpb_tl
13690   }
13691   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13692   \tl_trim_spaces:N\l_tmpb_tl
13693   \tl_if_blank:VF\l_tmpb_tl{
13694     \mix_pdfobj:nnn{}{dict}{
13695       /S/JavaScript/JS~(
13696         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}))}
13697   \bool_lazy_and:nnT{
13698     \tl_if_exist_p:c{ann@\l_tmpa_tl}
13699   }{
13700     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13701   }{
13702     \mix_pdfobj:nnn{}{dict}{
13703       /S/JavaScript/JS~(
13704         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13705         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13706           annotRM['\l_tmpa_tl']=
13707             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13708         }
13709         annotRM['\l_tmpa_tl'].activated=true;
13710       )
13711       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13712     }
13713   }
13714   \bool_if:nT{
13715     \bool_lazy_and_p:nn{

```



```

13716     \tl_if_exist_p:c{ann@l_tmpa_tl}
13717   }{
13718     !\str_if_eq_x_p:nn{\tl_use:c{ann@l_tmpa_tl}}{draft}
13719   }
13720   || !\tl_if_blank_p:V{l_tmpb_tl}
13721 }{
13722   \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13723 }
13724 },
13725 jsaction .value_required:n = {true},
13726
13727 unknown .code:n = {
13728   \msg_error:nnx{media9}{unknown-option}{l_keys_key_tl}
13729 }
13730 }
13731
13732 \RenewDocumentCommand\includemedia{0{ }mm}{%#1 options, #2 text/image #3 media file
13733   \mix_uriend:
13734   \group_begin:
13735   \mix_beginLTR:
13736   \leavevmode
13737   %empty stream as appearance dummy
13738   \cs_if_exist:NF\g_mix_appearance_tl{
13739     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13740     \mix_pdfxform:n{\l_mix_poster_box}
13741     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13742   }
13743   \mix_reset:
13744   \mix_urbegin: %treat URI characters correctly
13745   \keys_set:nn{media9/user}{#1}
13746   \mix_uriend:
13747   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
13748   \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
13749   \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
13750   \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
13751   \tl_gtrim_spaces:N\g_mix_flashvars_tl
13752
13753   \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
13754
13755   %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
13756   %\hbox_set:Nn\l_mix_poster_box{#2}
13757   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13758   \mix_scale:n{\l_mix_poster_box}
13759   \bool_if:nT{
13760     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
13761     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
13762   }{
13763     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
13764   }
13765   \bool_if:NTF\g_mix_usrdraft_bool{

```



```

13766 \tl_if_empty:NF\g_mix_usrlabel_tl{
13767   \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
13768 }
13769 \tl_if_blank:oTF{#2}{
13770   \mix_uribegin: %treat URI characters correctly
13771   \mix_draftbox:n{\tl_to_str:n{#3}}
13772   \mix_uriend:
13773 }{
13774   \hbox_to_wd:nn{\g_mix_wd_tl}{
13775     \vrule-width~\c_zero_dim-height~\g_mix_ht_tl-depth~\g_mix_dp_tl
13776     \box_use:N\l_mix_poster_box\hss
13777   }
13778 }
13779 }{
13780   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13781     %attach script that switches off play button overlay upon activation
13782     \mix_pdfobj:nnn{}{stream}{
13783       {}{
13784         var~ocgs=host.getOCGs(host.pageNum);
13785         for(var~i=0;i<ocgs.length;i++){
13786           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13787             ocgs[i].state=false;
13788           }
13789         }
13790       }
13791     }
13792     \mix_pdfobj:nnn{}{dict}{
13793       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13794     }
13795     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13796     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13797     %enforce plain playbutton overlay for XeTeX
13798     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13799   }
13800   %embed main asset
13801   \mix_uribegin:
13802   \mix_embedasset:n{#3}
13803   \bool_if:nTF{
13804     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
13805   }{
13806     \bool_gset_true:N\g_mix_iiid_bool
13807     \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
13808   }{
13809     \str_case_x:nnF{\l_mix_base_tl}{
13810       {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13811       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
13812       {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13813       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13814       {StrobeMediaPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
13815     }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}

```



```

13816 }
13817 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
13818 \mix_uriend:
13819 %secondary assets (added by addresource)
13820 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13821 \seq_map_inline:Nn\g_mix_script_seq{
13822   \mix_embedasset:n{##1}
13823   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
13824 }
13825 %attach 3D calculation script
13826 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13827   \mix_embedasset:n{3Dmenu.js}
13828   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13829 }
13830 %create 3D views from file (option 3Dviews)
13831 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13832   \tl_set:Nn\l_mix_level_tl{c_minus_one}
13833   \int_zero:N\l_mix_viewcnt_int
13834   \int_zero:N\l_mix_lineno_int
13835
13836   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13837   \ior_map_inline:Nn\l_mix_vfile_stream{
13838     \int_incr:N\l_mix_lineno_int
13839     \keys_set:nn{media9/views}{##1} %process input line
13840   }
13841   \ior_close:N\l_mix_vfile_stream
13842 }
13843 \bool_if:nT{ %create default 3D view if required
13844   \g_mix_iiid_bool &&
13845   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13846 }{
13847   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13848   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13849   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13850   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13851   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13852   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13853   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13854
13855   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13856   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
13857   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13858   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13859
13860   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13861   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13862   \tl_clear:N\l_mix_naarray_tl
13863
13864   \bool_if:NF\l_mix_ciiw_bool{
13865     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}

```



```

13866     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13867   }
13868
13869   \tl_clear:N\l_mix_naarray_tl
13870   \tl_clear:N\l_mix_saarray_tl
13871   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13872
13873   \mix_view:n{Default}
13874   \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
13875
13876 }
13877 \mix_pdfobj:nnn{}{dict}{
13878   /Type/RichMediaInstance
13879   /Subtype/\g_mix_mainassetsub_tl
13880   /Asset~\g_mix_mainasset_tl
13881   \bool_if:NF\g_mix_iiid_bool{
13882     /Params~<<
13883     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13884       /Foreground
13885     }{
13886       /Background
13887     }
13888     \tl_if_blank:VF\g_mix_flashvars_tl{
13889       /FlashVars~(\g_mix_flashvars_tl)
13890     }
13891     >>
13892   }
13893 }
13894 \tl_if_empty:NF\g_mix_usrlabel_tl{
13895   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13896 }
13897 \mix_pdfobj:nnn{}{dict}{
13898   /Type/RichMediaConfiguration
13899   /Subtype/\g_mix_mainassetsub_tl
13900   /Instances~[\mix_pdflastobj:]
13901 }
13902 \mix_pdfobj:nnn{}{dict}{
13903   /Type/RichMediaContent
13904   /Assets~<</Names~[\g_mix_assets_tl]>>
13905   /Configurations~[\mix_pdflastobj:]
13906   \bool_if:nT{
13907     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
13908   }{
13909     /Views~[\l_mix_iiidviewarray_tl]
13910   }
13911 }
13912 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
13913 \bool_if:nT{
13914   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13915 }{

```



```

13916     \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13917 }
13918 %determine floating window size
13919 \bool_if:NT\g_mix_opt_windowed_bool{
13920     \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13921 }
13922 \mix_pdfobj:nnn{}{dict}{
13923     /Activation~<<
13924     /Condition\g_mix_act_tl
13925     \bool_if:nT{
13926         \g_mix_iiid_bool &&
13927         !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13928     }{%seems to work only with 3D content
13929         /Animation~<<
13930         /Subtype/\g_mix_playtpe_tl
13931         /PlayCount~\g_mix_playcnt_tl
13932         /Speed~\g_mix_playspd_tl
13933     >>
13934 }
13935 \bool_if:nT{
13936     \g_mix_iiid_bool && (
13937         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
13938     )
13939 }{/View~\l_mix_dfltview_tl}
13940 /Presentation~<<
13941     /Transparent~\g_mix_transp_tl
13942     \bool_if:NTF\g_mix_opt_windowed_bool{
13943         /Style/Windowed
13944         /Window~<<
13945         /Width~<</Default~\tl_mix_fltd>>
13946         /Height~<</Default~\tl_mix_fltht>>
13947         /Position~<<
13948         /HOffset~0/VOffset~0
13949         \str_case_x:nnF{\g_mix_winpos_tl}{
13950             {tl}{/VAlign/Near/HAlign/Near}
13951             {cl}{/VAlign/Center/HAlign/Near}
13952             {bl}{/VAlign/Far/HAlign/Near}
13953             {bc}{/VAlign/Far/HAlign/Center}
13954             {br}{/VAlign/Far/HAlign/Far}
13955             {cr}{/VAlign/Center/HAlign/Far}
13956             {tr}{/VAlign/Near/HAlign/Far}
13957             {tc}{/VAlign/Near/HAlign/Center}
13958             }{/HAlign/Center/VAlign/Center}
13959         >>
13960     >>
13961 }{
13962     /Style/Embedded
13963 }
13964 \bool_if:NTF\g_mix_iiid_bool{
13965     /Toolbar~\g_mix_tools_tl

```




```

13966         /NavigationPane~\g_mix_nav_tl
13967     }{
13968         /PassContextClick~\g_mix_contextclick_tl
13969     }
13970     >>
13971     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
13972     >>
13973     /Deactivation~<</Condition\g_mix_deact_tl>>
13974 }
13975 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
13976 \tl_if_empty:NF\g_mix_usrlabel_tl{
13977     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
13978 }
13979 % #1:width, #2:height, #3:depth, #4:content (key-value)
13980 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
13981     /Subtype/RichMedia
13982     /F~4
13983     /BS~<</W~0/S/S>>
13984     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
13985     /NM~(\g_mix_label_tl)
13986     /AP~<</N~\g_mix_appearance_tl>>
13987     /RichMediaSettings~\l_mix_settings_tl
13988     /RichMediaContent~\l_mix_content_tl
13989 }
13990 \tl_if_empty:NF\g_mix_usrlabel_tl{
13991     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
13992     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
13993         \noexpand\the\g@mix@page@int}
13994 }
13995 \mix_pdfobj:nnn{}{dict}{
13996     /S/JavaScript/JS~(
13997     try{
13998         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13999         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14000             annotRM['\g_mix_label_tl']=
14001                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14002         }
14003         \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14004             if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14005                 var~ocgs=this.getOCGs(this.pageNum);
14006                 for(var~i=0;i<ocgs.length;i++){
14007                     if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14008                         var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14009                     }
14010                 }
14011             }
14012             if(
14013                 !annotRM['\g_mix_label_tl'].activated&&(
14014                     app.viewerType=='Reader' ||
14015                     app.viewerType=='Exchange' ||

```



```

14016         app.viewerType=='Exchange-Pro'
14017     )&&app.viewerVersion>=9
14018     ){
14019         ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14020     }
14021 }
14022 }catch(e){}
14023 this.dirty=false;
14024 )
14025 }
14026 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14027     /Subtype/Widget
14028     /FT/Btn/Ff~65537/F~2
14029     /BS~<</W~0>>
14030     /T~(fd@\g_mix_label_tl)
14031     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14032 }
14033 \mix_appendtofields:n{\mix_pdflastann:}
14034 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14035 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14036     \hbox_to_wd:nn{\g_mix_wd_tl}{
14037         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14038     }
14039 }{%insert play button overlay
14040     \mix_insert_btnocg: %create OCG
14041     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14042     \group_begin:
14043     \cs_if_exist:NT\textdir{\textdir TLT}
14044     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14045     \box_move_down:nn{\g_mix_dp_tl}{
14046         \hbox_to_wd:nn{\g_mix_wd_tl}{
14047             \vbox_to_ht:nn{\g_mix_tt_tl}{
14048                 \vss
14049                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14050                 \box_use:N\l_mix_pbtn_box
14051                 \ocgbase_oc_emc:
14052             }
14053         }
14054     }
14055     \group_end:
14056 }
14057 \int_gincr:N\g_mix_rmcnt_int
14058 }
14059 \mix_endLTR:
14060 \group_end:
14061 }
14062 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14063 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14064
14065 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text

```



```

14066 \mix_uriend:
14067 \group_begin:
14068 \mix_beginLTR:
14069 \leavevmode
14070 %reset various variables
14071 \tl_gclear:N\g_mix_overbtn_tl
14072 \tl_gclear:N\g_mix_downbtn_tl
14073 \tl_gclear:N\g_mix_btnactions_tl
14074 \tl_gclear:N\g_mix_tooltip_tl
14075 %process options
14076 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14077 \mix_uribegin: %treat URI characters correctly
14078 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14079 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14080 \mix_uriend:
14081 %normal button appearance
14082 %\hbox_set:Nn\l_mix_poster_box{#2}
14083 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14084 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14085 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
14086 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14087 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14088   \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_kscape_bool{\rotatebox{90}{
14089     \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14090   \mix_pdfxform:n{\l_mix_poster_box}
14091   \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14092   %insert widget annotation
14093   \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14094     /Subtype/Widget
14095     /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14096     \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14097     /FT/Btn/Ff~65536
14098     \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14099     /AP~<<
14100     /N~\g_mix_normalbtn_tl
14101     \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14102     \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14103     >>
14104     /MK~<<
14105     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14106     /I~\g_mix_normalbtn_tl
14107     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14108     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14109     >>
14110     /A~<<
14111     /S/JavaScript/JS~(app.focusRect=false;)
14112     %sequence of actions to perform
14113     \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14114     >>
14115   }

```



```

14116 \mix_appendtofields:n{\mix_pdflastann:}
14117 \hbox_to_wd:nn{\width}{
14118   \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14119 }
14120 \int_gincr:N\g_mix_mbtncnt_int
14121 }
14122 \mix_endLTR:
14123 \group_end:
14124 }
14125
14126 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14127 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
14128
14129

```

81 File memoir-xetex-bidi.def

```

14130 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for Xe
14131 \renewcommand{\keepthetitle}{%
14132   \@bsmtitleempty
14133   \global\let\thanks\relax
14134   \global\let\LTRthanks\relax
14135   \global\let\RTLthanks\relax
14136   \global\let\and\relax
14137   \global\let\andnext\relax
14138   \global\let\@thanks\@empty
14139   \global\let\@title\@empty
14140   \global\let\@author\@empty
14141   \global\let\@date\@empty}
14142 \renewcommand{\maketitle}{\par
14143   \begingroup
14144     \@bsmarkseries
14145     \def\@makefnmark{\@textsuperscript{%
14146       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
14147     \long\def\@makefntext##1{\makethanksmark ##1}
14148     \if@twocolumn
14149       \ifnum \col@number=\@one
14150         \@maketitle
14151       \else
14152         \twocolumn[\@maketitle]%
14153       \fi
14154     \else
14155       \ifdim\pagetotal>\z@
14156         \newpage
14157       \fi
14158       \global\@topnum\z@
14159       \@maketitle
14160     \fi
14161     \thispagestyle{title}\@thanks
14162   \endgroup

```



```

14163 \bscontmark % \setcounter{footnote}{0}%
14164 }
14165 \renewcommand*\memRTLleftskip{\if@RTL\rightskip\else\leftskip\fi}
14166 \renewcommand*\memRTLrightskip{\if@RTL\leftskip\else\rightskip\fi}
14167 \renewcommand*\memRTLvleftskip{\if@RTL\vrightskip\else\vleftskip\fi}
14168 \renewcommand*\memRTLvrightskip{\if@RTL\vleftskip\else\vrightskip\fi}
14169 \renewcommand*\memRTLraggedright{\if@RTL\raggedleft\else\raggedright\fi}
14170 \renewcommand*\memRTLraggedleft{\if@RTL\raggedright\else\raggedleft\fi}
14171 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
14172 \renewcommand*\thesubsection{%
14173     \thesection\@SepMark\@arabic\c@subsection}
14174 \renewcommand*\thesubsubsection{%
14175     \thesubsection\@SepMark\@arabic\c@subsubsection}
14176 \renewcommand*\theparagraph{%
14177     \thesubsubsection\@SepMark\@arabic\c@paragraph}
14178 \renewcommand*\thesubparagraph{%
14179     \theparagraph\@SepMark\@arabic\c@subparagraph}
14180 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14181 \renewcommand{\theequation}{%
14182     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14183 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14184 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14185 \ifartopt
14186 \chapterstyle{article}
14187 \counterwithout{figure}{chapter}
14188 \counterwithout{table}{chapter}
14189 \counterwithout{footnote}{chapter}
14190 \counterwithout{equation}{chapter}
14191 \renewcommand{\chaptername}{%
14192     \renewcommand{\maketitlehookb}{%
14193         \vskip -1.5\topsep\vskip -1.5\partopsep}
14194     \renewcommand{\maketitlehookc}{%
14195         \vskip -1.5\topsep\vskip -1.5\partopsep}
14196 \fi
14197 \long\def\@makecaption#1#2{\let\@memtempa\relax
14198 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14199 \else \def\@memtempa{\vbox to\topskip{}}\fi
14200 \let\@contfnote\footnote \renewcommand{\footnote}[2][{}]{
14201 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][{}]{
14202 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14203 \let\footnote\@contfnote
14204 \let\footnotemark\@contfmark
14205 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14206 \if@contcw
14207 \centering
14208 \parbox{\@contcwidth}{%
14209 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14210 \fi
14211 \ifdim\wd\@tempboxa<\linewidth
14212 \@contpre

```



```

14213 {\@contnfont #1\@contdelim}\@memtempa
14214 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14215 \else
14216 \if@conthang
14217 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14218 \@contpre%
14219 {\@contcstyle\hangindent=\wd\@tempboxa
14220 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14221 \else
14222 \if@contindent
14223 \@contpre%
14224 {\@contnfont #1\@contdelim}\@memtempa
14225 {\@contcstyle\hangindent=\@contindw
14226 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14227 \else
14228 \@contpre%
14229 {\@contnfont #1\@contdelim}\@memtempa
14230 {\@contcstyle \@conttfont #2\@contfinal\par}
14231 \fi
14232 \fi
14233 \fi
14234 \@contpost
14235 \if@contcw
14236 \par
14237 } % end of the \parbox
14238 \fi
14239 \vskip\belowcaptionskip}
14240 \ifpackageloaded{caption}{%
14241 \AtBeginPackage{caption}{
14242 \ClassWarningNoLine{memoir}{%
14243 You are using the caption package with the memoir \MessageBreak
14244 class. This may cause unexpected or inconsistent \MessageBreak
14245 results if you use any of memoir's captioning facilities}
14246
14247 \long\def\@makecaption##1##2{%
14248 \vskip\abovecaptionskip
14249 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14250 \ifdim \wd\@tempboxa >\hsize
14251 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14252 \else
14253 \global \@minipagefalse
14254 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14255 \fi
14256 \vskip\belowcaptionskip}
14257
14258 \def\caption{%
14259 \ifx\@capytype\@undefined
14260 \latexerror{\noexpand\caption outside float}\@ehd
14261 \expandafter@gobble
14262 \else

```



```

14263 \refstepcounter\@capttype
14264 \expandafter\@firstofone
14265 \fi
14266 {\@dblarg{\@caption\@capttype}}}%
14267 }
14268
14269 \long\def\@caption##1[##2]##3{%
14270 \par
14271 \addcontentsline{\csname ext@##1\endcsname}{##1}%
14272 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}}%
14273 \begingroup
14274 \@parboxrestore
14275 \if@minipage
14276 \setminipage
14277 \fi
14278 \normalsize
14279 \makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14280 \endgroup}
14281 }}{}
14282 \renewenvironment{thebibliography}[1]{%
14283 \bibsection
14284 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
14285 \bidi@thebibliography@font@hook%
14286 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

82 File midfloat-xetex-bidi.def

```

14287 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14288 \def\RTL@outputdblcol{%
14289 \if@firstcolumn
14290 \global \@firstcolumnfalse
14291 \global\setbox\@leftcolumn\copy\@outputbox
14292 \splitmaxdepth\maxdimen
14293 \vbadness\maxdimen
14294 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14295 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14296 \toks@\expandafter{\topmark}%
14297 \xdef\@firstcoltopmark{\the\toks@}%
14298 \toks@\expandafter{\splitfirstmark}%
14299 \xdef\@firstcolfirstmark{\the\toks@}%
14300 \ifx\@firstcolfirstmark\@empty
14301 \global\let\@setmarks\relax
14302 \else
14303 \gdef\@setmarks{%
14304 \let\firstmark\@firstcolfirstmark
14305 \let\topmark\@firstcoltopmark}%
14306 \fi
14307 \global\c@colht\@colht\global\c@advipersep\z@
14308 \ifnum\jua@sk>0
14309 \remove@strip\jua@sar

```



```

14310      \global\@colht\the\jua@pr
14311      \ifdim\right@cor>\z@
14312          \global\advance\@colht by\right@cor
14313      \fi
14314      \global\advance\@colht by\cor@height
14315      \global\cor@height=0pt
14316  \fi
14317  \global \setbox\@rightcolumn \vbox{}%
14318 \else
14319   \ifdim\c@colht>\@colht
14320       \@tempdima\@colht
14321       \ifdim\@colht>\z@
14322           \global\setbox\@rightcolumn \vbox{%
14323               \unvbox\@rightcolumn
14324               \vbox to\@tempdima{%
14325                   \vskip\c@addvipersep\unvbox\@outputbox}%
14326               \vskip\stripsep
14327               \vrule height\the\jua@ht width 0pt depth 0pt
14328               \vskip\stripsep
14329               }%
14330       \global\c@addvipersep\m@addvipersep
14331   \else
14332       \global\setbox\@rightcolumn \vbox{%
14333           \unvbox\@rightcolumn
14334           \vrule height\the\jua@ht width 0pt depth 0pt
14335           \vskip\stripsep
14336           }%
14337   \fi
14338   \ifnum\jua@sk>0
14339       \remove@strip\jua@sar
14340       \global\@colht\the\jua@pr
14341       \global\advance\@colht by -\ht\@rightcolumn
14342       \global\advance\@colht by\cor@height
14343       \global\cor@height=0pt
14344   \else
14345       \global\advance\c@colht by-\ht\@rightcolumn
14346       \global\@colht\c@colht
14347   \fi
14348 \else
14349   \global\@firstcolumntrue
14350   \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14351       \unvbox\@rightcolumn
14352       \vskip\c@addvipersep
14353       \unvbox\@outputbox
14354       }%
14355   \setbox\@outputbox \vbox {%
14356       \hb@xt@\textwidth {%
14357           \hskip \columnwidth
14358           \hfil
14359           \vrule \@width\columnseprule

```




```

14360 \hfil
14361 \hb@xt@\columnwidth {%
14362 \bidi@firstcolumn@status@write%
14363 \box\@leftcolumn \hss}%
14364 \hskip-\textwidth
14365 \hb@xt@\columnwidth {%
14366 \bidi@lastcolumn@status@write%
14367 \box\@outputbox \hss}%
14368 \hskip\columnwidth
14369 \hskip\columnsep}%
14370 }%
14371 \@combinedblfloats
14372 \@setmarks
14373 \@outputpage
14374 \beginingroup
14375 \@dblfloatplacement
14376 \@startdblcolumn
14377 \@whiles\if@fcolmade \fi
14378 {\@outputpage
14379 \@startdblcolumn}%
14380 \endgroup
14381 \global\jua@sk=0\global\jua@sar={}
14382 \global\cor@height\z@\global\c@addvipersep\z@
14383 \fi
14384 \fi
14385 }
14386
14387
14388 \def\LTR@outputdblcol{%
14389 \if@firstcolumn
14390 \global \@firstcolumnfalse
14391 \global\setbox\@leftcolumn\copy\@outputbox
14392 \splitmaxdepth\maxdimen
14393 \vbadness\maxdimen
14394 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14395 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14396 \toks@ \expandafter{\topmark}%
14397 \xdef\@firstcoltopmark{\the\toks@}%
14398 \toks@ \expandafter{\splitfirstmark}%
14399 \xdef\@firstcolfirstmark{\the\toks@}%
14400 \ifx\@firstcolfirstmark\@empty
14401 \global\let\@setmarks\relax
14402 \else
14403 \gdef\@setmarks{%
14404 \let\firstmark\@firstcolfirstmark
14405 \let\topmark\@firstcoltopmark}%
14406 \fi
14407 \global\c@colht\@colht\global\c@addvipersep\z@
14408 \ifnum\jua@sk>0
14409 \remove@strip\jua@sar

```



```

14410      \global\@colht\the\jua@pr
14411      \ifdim\right@cor>\z@
14412          \global\advance\@colht by\right@cor
14413      \fi
14414      \global\advance\@colht by\cor@height
14415      \global\cor@height=0pt
14416  \fi
14417  \global \setbox\@rightcolumn \vbox{}%
14418 \else
14419     \ifdim\c@colht>\@colht
14420         \@tempdima\@colht
14421         \ifdim\@colht>\z@
14422             \global\setbox\@rightcolumn \vbox{%
14423                 \unvbox\@rightcolumn
14424                 \vbox to\@tempdima{%
14425                     \vskip\c@addvipersep\unvbox\@outputbox}%
14426                 \vskip\stripsep
14427                 \vrule height\the\jua@ht width 0pt depth 0pt
14428                 \vskip\stripsep
14429                 }%
14430             \global\c@addvipersep\m@addvipersep
14431         \else
14432             \global\setbox\@rightcolumn \vbox{%
14433                 \unvbox\@rightcolumn
14434                 \vrule height\the\jua@ht width 0pt depth 0pt
14435                 \vskip\stripsep
14436                 }%
14437         \fi
14438     \ifnum\jua@sk>0
14439         \remove@strip\jua@sar
14440         \global\@colht\the\jua@pr
14441         \global\advance\@colht by -\ht\@rightcolumn
14442         \global\advance\@colht by\cor@height
14443         \global\cor@height=0pt
14444     \else
14445         \global\advance\c@colht by-\ht\@rightcolumn
14446         \global\@colht\c@colht
14447     \fi
14448 \else
14449     \global\@firstcolumntrue
14450     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14451         \unvbox\@rightcolumn
14452         \vskip\c@addvipersep
14453         \unvbox\@outputbox
14454     }%
14455     \setbox\@outputbox \vbox {%
14456         \hb@xt@\textwidth {%
14457             \hb@xt@\columnwidth {%
14458                 \bidi@firstcolumn@status@write%
14459                 \box\@leftcolumn \hss}%

```



```

14460             \hfil
14461             \vrule \@width\columnseprule
14462             \hfil
14463             \hb@xt@\columnwidth {%
14464                 \bidi@lastcolumn@status@write%
14465                 \box\@outputbox \hss}%
14466                 }%
14467             }%
14468     \@combinedblfloats
14469     \@setmarks
14470     \@outputpage
14471     \begingroup
14472     \@dblfloatplacement
14473     \@startdblcolumn
14474     \@whiles\if@fcolmade \fi
14475     {\@outputpage
14476       \@startdblcolumn}%
14477     \endgroup
14478     \global\jua@sk=0\global\jua@sar={}%
14479     \global\cor@height\z@\global\c@addvipersep\z@
14480     \fi
14481 \fi
14482 }
14483
14484
14485 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14486   \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14487     \hsize\textwidth
14488     \@parboxrestore
14489     \col@number \@ne
14490     \vrule height\topskip width0pt depth0pt
14491 }
14492
14493 \def\endstrip{%
14494   \egroup\egroup
14495   \if@firstcolumn
14496     \ifdim\pagetotal>\z@
14497       \vskip\stripsep
14498       \global\ht@strip\pagegoal
14499       \global\advance\ht@strip by-\pagetotal
14500       \global\advance\ht@strip by-\stripsep
14501       \global\advance\ht@strip by-\ht\@viper
14502       \global\advance\ht@strip by-\stripsep
14503       \global\jua@ht=\ht\@viper
14504     \else
14505       \global\ht@strip\z@
14506     \fi
14507     \ifdim\ht@strip>\z@
14508       \unvbox\@viper
14509       \vskip\stripsep

```



```

14510         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14511         \global\advance\jua@sk by1
14512     \else
14513         \@latex@error{Strip needs more place!}\@ehc
14514         \if@vihproof
14515             \framebox[\columnwidth]{??? Strip ???}%
14516         \fi
14517     \fi
14518 \else
14519     \@latex@error{Strip is used only on left column!}\@ehc
14520     \if@vihproof
14521         \framebox[\columnwidth]{??? Strip ???}%
14522     \fi
14523 \fi
14524 }

```

83 File minitoc-xetex-bidi.def

```

14525 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14526 \def\@undottedtocline#1#2#3#4#5{%
14527     \ifnum #1>\c@tocdepth\relax \else
14528         \vskip \z@ plus.2\p@
14529         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
14530         \parindent #2\relax\@afterindenttrue
14531         \interlinepenalty\@M
14532         \leavevmode
14533         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}%
14534         \hskip -\if@RTL\rightskip\else\leftskip\fi
14535         #4\nobreak\hfill \nobreak
14536         \null\par}%
14537     \fi}
14538 \def\@Undottedtocline#1#2#3#4#5{%
14539     \ifnum #1>\c@tocdepth\relax \else
14540         \vskip \z@ \@plus.2\p@
14541         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
14542         \parindent #2\relax\@afterindenttrue
14543         \interlinepenalty\@M
14544         \leavevmode
14545         \@tempdima #3\relax
14546         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14547         {\coffefont #4}\nobreak \nobreak\null
14548         \par}%
14549     \fi}
14550 \def\@Undottedtoclinep#1#2#3#4#5{%
14551     \ifnum #1>\c@tocdepth\relax \else
14552         \vskip \z@ \@plus.2\p@
14553         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
14554         \parindent #2\relax\@afterindenttrue
14555         \interlinepenalty\@M
14556         \leavevmode

```



```

14557 \@tempdima #3\relax
14558 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
14559 {#4}\nobreak \hfill \nobreak\null
14560 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
14561 \par}%
14562 \fi}

```

84 File multicol-xetex-bidi.def

```

14563 \ProvidesFile{multicol-xetex-bidi.def}[2016/11/27 v0.8 bidi adaptations for multicol package]
14564 \def\page@sofar{%
14565 \process@cols\mult@rightbox
14566 {\ifvoid\count@
14567 \setbox\count@\hbox to\hsize}%
14568 \else
14569 \wd\count@\hsize
14570 \fi}%
14571 \count@\col@number \advance\count@\m@ne
14572 \mult@info\z@
14573 {Column spec: \the\full@width\space = indent
14574 + columns + sep =\MessageBreak
14575 \the\multicol@leftmargin\space
14576 + \the\col@number\space
14577 x \the\hsize\space
14578 + \the\count@\space
14579 x \the\columnsep
14580 }%
14581 \ifvmode\else\errmessage{Multicol Error}\fi
14582 \nointerlineskip
14583 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
14584 \moveright\multicol@leftmargin
14585 \hbox to\full@width{%
14586 \bidi@multicol@align@columns
14587 \rlap{\phantom p}%
14588 }%
14589 \prevdepth\z@
14590 \kern-\dimen\tw@
14591 \ifdim\dimen\tw@ > \mc@gridwarn
14592 \PackageWarning{multicol}%
14593 {Very deep columns!\MessageBreak
14594 Grid alignment might be broken}%
14595 \fi
14596 }
14597 \def\LTR@column@boxes{%
14598 \process@cols\mult@gfirstbox{%
14599 \ifdim\dp\count@>\dimen\tw@
14600 \global\dimen\tw@\dp\count@ \fi
14601 \mc@col@status@write
14602 \box\count@
14603 \hss{\columnseprulecolor\vrule

```



```

14604         \@width\columnseprule}\hss}%
14605     \ifdim\dp\mult@rightbox>\dimen\tw@
14606         \global\dimen\tw@\dp\mult@rightbox \fi
14607     \mc@lastcol@status@write
14608     \box\mult@rightbox
14609 }
14610
14611 \def\RTL@column@boxes{%
14612     \ifnum\col@number<\tw@
14613         \LTR@column@boxes
14614     \else
14615         \process@cols\mult@gfirstbox{%
14616             \hskip\hsize
14617             \hss{\columnseprulecolor\vrule
14618                 \@width\columnseprule}\hss
14619         }%
14620         \hskip\hsize
14621         \process@cols\mult@gfirstbox{%
14622             \ifdim\dp\count@>\dimen\tw@
14623                 \global\dimen\tw@\dp\count@ \fi
14624             \hskip-\hsize
14625             \mc@col@status@write
14626             \box\count@
14627             \hskip-\hsize
14628             \hskip-\columnsep
14629         }%
14630         \ifdim\dp\mult@rightbox>\dimen\tw@
14631             \global\dimen\tw@\dp\mult@rightbox \fi
14632         \hskip-\hsize
14633         \mc@lastcol@status@write
14634         \box\mult@rightbox
14635         \hskip-\hsize
14636         \hskip\full@width
14637     \fi
14638 }
14639 \newcommand\RTLmulticolcolumns
14640     {\let\bidimulticol@align@columns
14641         \RTL@column@boxes}
14642 \newcommand\LTRmulticolcolumns
14643     {\let\bidimulticol@align@columns
14644         \LTR@column@boxes}
14645 \newcommand\bidimulticol@align@columns
14646     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14647 \def\multicols#1{\col@number#1\relax
14648     \ifnum\col@number<\tw@
14649         \PackageWarning{multicol}%
14650             {Using `\'number\col@number'
14651              columns doesn't seem a good idea.^~J
14652              I therefore use two columns instead}%
14653         \col@number\tw@ \fi

```



```

14654 \ifnum\col@number>10
14655   \PackageError{multicol}%
14656     {Too many columns}%
14657     {Current implementation doesn't
14658       support more than 10 columns.%
14659     \MessageBreak
14660     I therefore use 10 columns instead}%
14661   \col@number10 \fi
14662   \ifx\@footnotetext\mult@footnotetext\else
14663     \let\orig@footnotetext\@footnotetext
14664     \let\@footnotetext\mult@footnotetext
14665   \fi
14666   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14667     \let\orig@LTRfootnotetext\@LTRfootnotetext
14668     \let\@LTRfootnotetext\mult@LTRfootnotetext
14669   \fi
14670   \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14671     \let\orig@RTLfootnotetext\@RTLfootnotetext
14672     \let\@RTLfootnotetext\mult@RTLfootnotetext
14673   \fi
14674   \@ifnextchar[\mult@cols{\mult@cols[]}]
14675 \long\def\mult@footnotetext#1{\begingroup
14676   \hsize\textwidth
14677   \columnwidth\textwidth
14678   \orig@footnotetext{#1}\endgroup}
14679 \long\def\mult@LTRfootnotetext#1{\begingroup
14680   \hsize\textwidth
14681   \columnwidth\textwidth
14682   \orig@LTRfootnotetext{#1}\endgroup}
14683 \long\def\mult@RTLfootnotetext#1{\begingroup
14684   \hsize\textwidth
14685   \columnwidth\textwidth
14686   \orig@RTLfootnotetext{#1}\endgroup}
14687 \def\right@footnoterule{%
14688   \kern-3\p@
14689   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14690   \kern2.6\p@}
14691 \def\textwidth@footnoterule{\kern-3\p@
14692   \hrule \@width \textwidth \kern 2.6\p@}

```

85 File multienum-xetex-bidi.def

```

14693 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
14694 \renewcommand{\itemx}[1]{\parbox[t]{%
14695   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14696   \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
14697 \renewcommand{\itemxx}[2]{\parbox[t]{%
14698   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14699   \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14700   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

14701 \parbox[t]{0.5\remainxxx}{\bidi@raggedright #2}\smallskip}
14702 \renewcommand{\itemxxx}[3]{\parbox[t]{%
14703 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14704 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14705 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
14706 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
14707 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14708 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
14709 \renewcommand{\itemxxx}[4]{\parbox[t]{%
14710 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14711 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14712 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14713 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14714 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14715 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
14716 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14717 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
14718 \renewcommand{\itemxxxx}[5]{\parbox[t]{%
14719 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14720 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
14721 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14722 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
14723 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14724 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
14725 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14726 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
14727 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14728 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
14729 \renewcommand{\itemxox}[2]{\parbox[t]{%
14730 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14731 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14732 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14733 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
14734 \renewcommand{\itemxox}[2]{\parbox[t]{%
14735 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14736 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
14737 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14738 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
14739 \renewcommand{\itemxox}[3]{\parbox[t]{%
14740 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14741 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14742 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14743 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14744 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14745 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14746 \renewcommand{\itemxox}[3]{\parbox[t]{%
14747 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14748 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14749 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14750 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%

```




```

14751 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14752 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14753 \renewcommand{\itemxxxx}[3]{\parbox[t]{%
14754 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14755 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14756 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14757 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14758 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14759 \parbox[t]{\remainxxx}{\bidi@raggedright #3}\smallskip}

```

86 File natbib-xetex-bidi.def

```

14760 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for ]
14761 \renewenvironment{thebibliography}[1]{%
14762   \bibsection
14763   \parindent\z@
14764   \bibpreamble
14765   \bibfont
14766   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14767   \bidi@thebibliography@font@hook%
14768   \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
14769   \ifNAT@openbib
14770     \renewcommand\newblock{\par}%
14771   \else
14772     \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
14773   \fi
14774   \sloppy\clubpenalty4000\widowpenalty4000
14775   \sfcode`\.\@m
14776   \let\NAT@bibitem@first@sw\@firstoftwo
14777     \let\citeN\cite \let\shortcite\cite
14778     \let\citeasnoun\cite
14779 }{%
14780   \bibitem@fin
14781   \bibpostamble
14782   \def\@noitemerr{%
14783     \PackageWarning{natbib}{Empty `thebibliography' environment}%
14784   }%
14785   \endlist
14786   \bibcleanup
14787 }%

```

87 File newfloat-xetex-bidi.def

```

14788 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package ]
14789 \renewcommand*\newfloat@setwithin[2]{%
14790   \ifcsname c@chapter\endcsname
14791     \@removefromreset{#1}{chapter}%
14792   \fi
14793   \@removefromreset{#1}{section}%
14794   \edef\@tempa{#2}%

```



```

14795 \ifx\@tempa\@empty
14796 \def\@tempa{none}%
14797 \fi
14798 \def\@tempb{none}%
14799 \ifx\@tempa\@tempb
14800 \ifcsname c@chapter\endcsname
14801 \@chapterlistsgap@off{#1}%
14802 \fi
14803 \newfloat@@setwithin{#1}{-}{}%
14804 \else
14805 \def\@tempb{chapter}%
14806 \ifx\@tempa\@tempb
14807 \@addtoreset{#1}{chapter}%
14808 \@chapterlistsgap@on{#1}%
14809 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
14810 \else
14811 \def\@tempb{section}%
14812 \ifx\@tempa\@tempb
14813 \@addtoreset{#1}{section}%
14814 \ifcsname c@chapter\endcsname
14815 \@addtoreset{#1}{chapter}%
14816 \@chapterlistsgap@on{#1}%
14817 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
14818 \else
14819 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
14820 \fi
14821 \else
14822 \newfloat@Error{Invalid value `#2' for option `within'}%
14823 \fi
14824 \fi
14825 \fi}

```

88 File ntheorem-xetex-bidi.def

```

14826 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
14827 \gdef\@thm#1#2#3{%
14828 \if@thmmarks
14829 \stepcounter{end\InTheoType ctr}%
14830 \fi
14831 \renewcommand{\InTheoType}{#1}%
14832 \if@thmmarks
14833 \stepcounter{curr#1ctr}%
14834 \setcounter{end#1ctr}{0}%
14835 \fi
14836 \refstepcounter{#2}%
14837 \theorem@prework
14838 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14839 \ifvmode \advance\thm@topsepadd\partopsep\fi
14840 \trivlist
14841 \@topsep \theorempreskipamount

```



```

14842 \topsepadd \thm@topsepadd % used by \endparenv
14843 \advance\linewidth -\theorem@indent
14844 \advance\@totalleftmargin \theorem@indent
14845 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14846 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

89 File ntheorem-hyper-xetex-bidi.def

```

14847 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
14848 \gdef\@thm#1#2#3{%
14849 \if@thmmarks
14850 \stepcounter{end\InTheoType ctr}%
14851 \fi
14852 \renewcommand{\InTheoType}{#1}%
14853 \if@thmmarks
14854 \stepcounter{curr#1ctr}%
14855 \setcounter{end#1ctr}{0}%
14856 \fi
14857 \refstepcounter{#2}%
14858 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14859 \ifvmode \advance\thm@topsepadd\partopsep\fi
14860 \trivlist
14861 \@topsep \theorempreskipamount
14862 \topsepadd \thm@topsepadd % used by \endparenv
14863 \advance\linewidth -\theorem@indent
14864 \advance\@totalleftmargin \theorem@indent
14865 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14866 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

90 File overpic-xetex-bidi.def

```

14867 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for
14868 \renewenvironment{overpic}[2] [] {%
14869 \sbox{\z@}{\includegraphics[#1]{#2}}%
14870 \settodepth{\@tempcnta}{\usebox{\z@}}%
14871 \settoheight{\@tempcntb}{\usebox{\z@}}%
14872 \advance\@tempcntb\@tempcnta%
14873 \settowidth{\@tempcnta}{\usebox{\z@}}%
14874 \setlength{\@tempdima}{\unitlength}%
14875 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14876 %
14877 \OVP@calc%
14878 %
14879 \begin{picture}(\@tempcnta,\@tempcntb)%
14880 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
14881 \ifGin@grid%
14882 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14883 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14884 \fi\fi%
14885 % reset the graphics parameter

```



```

14886 \let\Gin@outer@scalex\relax
14887 \let\Gin@outer@scaley\relax
14888 \let\Gin@angle\relax
14889 \let\Gin@ewidth\Gin@exclamation
14890 \let\Gin@eheight\Gin@ewidth
14891 \def\Gin@scalex{1}
14892 \let\Gin@scaley\Gin@exclamation
14893 }{%
14894 \ifRTL\ifGin@grid%
14895 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14896 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14897 \fi%
14898 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
14899 \end{picture}%
14900 }%

```

91 File pdfbase-xetex-bidi.def

```

14901 \ProvidesFile{pdfbase-xetex-bidi.def}[2017/08/27 v0.1 bidi adaptations for pdfbase package for
14902 \ExplSyntaxOn
14903 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
14904 \cs_set_nopar:Npn\@outputpage{
14905 \int_gincr:N\g_pbs_page_int
14906 \iow_now:Nx\@mainaux{
14907 \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
14908 }
14909 \box_if_vertical:cTF{@outputbox}{
14910 \bool_set_true:N\l_pbs_is_vertical_bool
14911 }{
14912 \bool_set_false:N\l_pbs_is_vertical_bool
14913 }
14914 \hbox_set:Nn\@outputbox{
14915 %begin of page
14916 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
14917 \box_use_clear:N\@outputbox
14918 %end of page
14919 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
14920 %end of dvi
14921 \int_compare:N\pbs@last@page=\g_pbs_page_int}{
14922 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eod_seq{##1}}
14923 }
14924 }
14925 \bool_if:NT\l_pbs_is_vertical_bool{
14926 \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
14927 }
14928 %insert /Properties into current page's resources
14929 \pbs_insert_properties_entry:
14930 \pbs_outputpage_orig:
14931 }
14932 \ExplSyntaxOff

```



92 File pdfpages-xetex-bidi.def

```

14933 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
14934 \renewcommand*{\includepdf}[2][{}]{%
14935   \begingroup
14936   \@RTLfalse
14937   \let\AM@threadname\relax
14938   \AM@split@options{pdfpages}{#1}%
14939   \edef\AM@temp{\pdfpages{\the\@temptokena}}%
14940   \expandafter\setkeys\AM@temp
14941   \ifthenelse{\boolean{AM@pkg@draft}\and\boolean{AM@survey}}{%
14942     \let\AM@currentdocname\relax
14943     \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
14944     \def\AM@pagecount{0}%
14945   }{%
14946     \AM@findfile{#2}%
14947     \if\AM@threadname\relax
14948       \def\AM@threadname{\AM@currentdocname}%
14949     \fi
14950   }%
14951   \ifAM@survey
14952     \def\AM@pagestemp{}%
14953     \@tempcnta=0
14954     \def\foo{%
14955       \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
14956       {\let\foo\relax}
14957       {\expandafter\ifx\expandafter\\AM@pagestemp\\
14958         \edef\AM@pagestemp{%
14959           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14960         \else
14961           \edef\AM@pagestemp{\AM@pagestemp,%
14962             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
14963         \fi
14964         \advance\@tempcnta 1\relax
14965       }%
14966     \foo
14967   }%
14968   \foo
14969   \expandafter\ifx\expandafter\\AM@pagestemp\\
14970     \def\AM@pagestemp{1}%
14971   \fi
14972 \fi
14973 \ifAM@output
14974   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
14975   \AM@output{#1}%
14976 \fi
14977 \AM@CheckAtEnd
14978 \endgroup
14979 \AM@ClearShipoutPicture
14980 }

```



93 File pgfcorescopes.code-xetex-bidi.def

```

14981 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
14982 \def\pgfpicture{%
14983   \begingroup%
14984   \ifmmode\else\@RTLfalse\beginL\fi%
14985   \pgfpicturetrue%
14986   \global\advance\pgf@picture@serial@count by1\relax%
14987   \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
14988   \let\pgf@nodecallback=\pgfutil@gobble%
14989   \pgf@picmaxx=-16000pt\relax%
14990   \pgf@picminx=16000pt\relax%
14991   \pgf@picmaxy=-16000pt\relax%
14992   \pgf@picminy=16000pt\relax%
14993   \pgf@relevantforpicturesizetrue%
14994   \pgf@resetpathsizes%
14995   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
14996 \def\endpgfpicture{%
14997   \ifpgfrememberpicturepositiononpage%
14998     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
14999   \fi%
15000   % ok, now let's position the box
15001   \ifdim\pgf@picmaxx=-16000pt\relax%
15002     % empty picture. make size 0.
15003     \global\pgf@picmaxx=0pt\relax%
15004     \global\pgf@picminx=0pt\relax%
15005     \global\pgf@picmaxy=0pt\relax%
15006     \global\pgf@picminy=0pt\relax%
15007   \fi%
15008   % Shift baseline outside:
15009   \pgf@relevantforpicturesizefalse%
15010   \pgf@process{\pgf@baseline}%
15011   \xdef\pgf@shift@baseline{\the\pgf@y}%
15012   %
15013   \pgf@process{\pgf@trimleft}%
15014   \global\advance\pgf@x by-\pgf@picminx
15015   % prepare \hskip\pgf@trimleft@final.
15016   % note that \pgf@trimleft@final is also queried
15017   % by the pgf image externalization.
15018   \xdef\pgf@trimleft@final{-\the\pgf@x}%
15019   %
15020   \pgf@process{\pgf@trimright}%
15021   \global\advance\pgf@x by-\pgf@picmaxx
15022   % prepare \hskip\pgf@trimright@final.
15023   % note that \pgf@trimright@final is also queried
15024   % by the pgf image externalization.
15025   \xdef\pgf@trimright@final{\the\pgf@x}%
15026   %
15027   \pgf@remember@layerlist@globally
15028   \endgroup%

```



```

15029         \hss%
15030     \egroup%
15031     \pgf@restore@layerlist@from@global
15032     \pgf@insertlayers%
15033     \endgroup%
15034     \pgfsys@discardpath%
15035     \endgroup%
15036     \pgfsys@endscope%
15037     \pgfsys@endpicture%
15038     \endgroup%
15039     \hss
15040 \egroup%
15041 \pgfsys@typesetpicturebox\pgfpic%
15042 \ifmmode\else\endL\fi%
15043 \endgroup%
15044 }

```

94 File `picinpar-xetex-bidi.def`

```

15045 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15046 \long\def\@makewincaption#1#2{%
15047     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15048     \ifdim\wd\@tempboxa>\picwd
15049         {\footnotesize{\bf #1:\enspace}{#2\par}}
15050     \else
15051         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15052     \fi}
15053 \def\endwindow{%
15054     \global\tcd=\tcdsav
15055     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15056     \vbadness=10000
15057     \splittopskip=0pt
15058 %
15059 % Typeset the lines above the window
15060 %
15061 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15062 \tcn=\tcd
15063 \loop\advance\tcn -1
15064 \setbox\fslice=\vsplit\holder to\baselineskip
15065 \prune\fslice\linewidth
15066 \topheight=0pt
15067 \ifnum\dp\fslice>\dp\wstrutbox
15068     \advance\topheight-\dp\fslice
15069     \advance\topheight\dp\wstrutbox
15070     \advance\topheight\ilg\fi
15071 \hbox to\linewidth{\box\fslice}
15072 \vskip-\topheight
15073 \ifdim\ht\holder>0pt\repeat
15074 \fi
15075 %

```



```

15076 % Now we build the boxes beside the window
15077 %
15078 \global\topheight=\tcl\baselineskip
15079 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15080     \global\topheight=\vpic
15081 \fi
15082 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15083 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15084 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15085 \tcn=\tcl \na=0 \nb=0
15086 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15087 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15088 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15089 \ifnum\na=0\ifnum\nb=0
15090     \setbox\waslice=\vbox to\vpic{\vss}
15091     \setbox\wbslice=\vbox to\vpic{\vss}
15092     \bl=1\br=1
15093     \vskip\ilg
15094 \fi\fi
15095 %
15096 % both sides
15097 %
15098 \ifnum\na>0 \ifnum\nb>0
15099 \loop\advance\nb -1
15100 \advance\na -1
15101 \if@RTL%
15102 \setbox\bslice=\vsplit\holder to\baselineskip
15103 \prune\bslice\rtside
15104 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15105 to\rtside{\box\bslice\hfil}}
15106 \setbox\aslice=\vsplit\holder to\baselineskip
15107 \prune\aslice\lftside
15108 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15109 to\lftside{\box\aslice\hfil}}
15110 \else%
15111 \setbox\aslice=\vsplit\holder to\baselineskip
15112 \prune\aslice\lftside
15113 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15114 to\lftside{\box\aslice\hfil}}
15115 \setbox\bslice=\vsplit\holder to\baselineskip
15116 \prune\bslice\rtside
15117 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15118 to\rtside{\box\bslice\hfil}}
15119 \fi%
15120 \ifnum\nb>0\repeat
15121 \fi\fi
15122 %
15123 % only text on the left side
15124 %
15125 \ifnum\na>0

```




```

15126 \loop\advance\na -1
15127 \setbox\aslice=\vsplit\holder to\baselineskip
15128 \prune\aslice\lftside
15129 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15130 to\lftside{\box\aslice\hfil}}
15131 \ifdim\ht\holder>0pt\repeat
15132 \fi
15133 %
15134 % only text on the right side
15135 %
15136 \ifnum\nb>0
15137 \loop\advance\nb -1
15138 \setbox\bslice=\vsplit\holder to\baselineskip
15139 \prune\bslice\rtside
15140 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15141 to\rtside{\box\bslice\hfil}}
15142 \ifdim\ht\holder>0pt\repeat
15143 \fi
15144 %
15145 % fixing the dimensions of the window part
15146 %
15147 \ifnum\bl=0\topheight=\ht\wbslice
15148 \else\ifnum\br=0\topheight=\ht\waslice
15149 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15150 \else\topheight=\ht\wbslice\fi\fi\fi
15151 %
15152 % ship out the window material to the main vertical list
15153 %
15154 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15155 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15156 \fi\fi\fi
15157 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15158 \ifnum\bl>0\box\waslice\hfill\fi%
15159 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15160 \vfill\unvbox\picbox%
15161 \ifnum\picwd>0\vfill\fi%
15162 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15163 \unvbox>windowbox%
15164 \loop
15165 \setbox\bslice=\vsplit\rawtext to\baselineskip
15166 \prune\bslice\linewidth
15167 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15168 \unvbox\wbslice
15169 \ifdim\ht\rawtext>0pt
15170 \repeat
15171 }% FINITO

```

95 File plain-xetex-bidi.def

```

15172 \def\TeXeTOn{\TeXeTstate=1 }

```



```

15173 \def\TeXeTOff{\TeXeTstate=0 }
15174 \TeXeTOn
15175 \def\usebox#1{\leavevmode\copy #1\relax}
15176 \def\bidirectional@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
15177 \let\bidirectional@everypar=\everypar
15178 \newtoks\bidirectional@everypar
15179 \bidirectional@everypar\expandafter{\the\bidirectional@everypar}
15180 \bidirectional@everypar{\bidirectional@everypar\the\bidirectional@everypar}
15181 \let\everypar=\bidirectional@everypar
15182 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15183 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15184 \protected\def\hboxR{\hbox\bgroup
15185 \everyhbox{%
15186 \aftergroup\egroup
15187 \everyhbox{}}%
15188 \beginR
15189 \@hboxRconstructtrue
15190 \bgroup
15191 \aftergroup\endR
15192 \aftergroup\egroup
15193 }\hbox}
15194 \protected\def\hboxL{\hbox\bgroup
15195 \everyhbox{%
15196 \aftergroup\egroup
15197 \everyhbox{}}%
15198 \beginL
15199 \@hboxRconstructfalse
15200 \bgroup
15201 \aftergroup\endL
15202 \aftergroup\egroup
15203 }\hbox}
15204 \protected\def\vboxR{\vbox\bgroup
15205 \everyvbox{%
15206 \aftergroup\egroup
15207 \everyvbox{}}%
15208 \@RTLtrue
15209 \bgroup
15210 \aftergroup\egroup
15211 }\vbox}
15212 \protected\def\vboxL{\vbox\bgroup
15213 \everyvbox{%
15214 \aftergroup\egroup
15215 \everyvbox{}}%
15216 \@RTLfalse
15217 \bgroup
15218 \aftergroup\egroup
15219 }\vbox}
15220 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15221 \def\endLTR{\par}
15222 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}

```



```

15223 \def\endRTL{\par}
15224 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15225 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15226 \let\unsetRTL=\setLTR
15227 \let\unsetLTR=\setRTL
15228 \let\LR=\LRE
15229 \let\RL=\RLE
15230 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15231 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15232 \let\@ensure@RL=\@ensure@RTL
15233 \let\@ensure@LR=\@ensure@LTR
15234 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15235 \let\@ensure@maindir=\@ensure@dir
15236 \def\@@RTL{RTL}
15237 \def\@@LTR{LTR}
15238 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
15239 \def\reset@dir{\ifx\saved@@dir\@@RTL\setRTL\else\ifx\saved@@dir\@@LTR\setLTR\else\relax\fi\fi}
15240 \let\@@TeX\TeX
15241 \def\TeX{\@ensure@LTR{\@@TeX}}
15242 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
15243 \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
15244 \ifvoid\footins\else % footnote info is present
15245 \vskip\skip\footins
15246 \footnoterule
15247 \unvbox\footins\fi
15248 \ifr@ggedbottom \kern-\dimen@ \vfil \fi
15249 \ifvoid\@bidi@copyins@
15250 \else
15251 \vskip\skip\@bidi@copyins@
15252 \unvbox\@bidi@copyins@
15253 \fi
15254 }
15255 \long\def\bidi@reflect@box#1{%
15256 \leavevmode
15257 \setbox\z@\hbox{#1}}%
15258 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15259 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15260 }
15261 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
15262 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
15263 \let\setRL=\setRTL
15264 \let\setLR=\setLTR
15265 \let\unsetRL=\setLTR
15266 \let\bidi@samed@eqno=\eqno
15267 \let\bidi@samed@leqno=\leqno
15268 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@samed@leqno \else \bidi@samed@eqno \fi}
15269 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@samed@eqno \else \bidi@samed@leqno \fi}
15270 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15271 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15272 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```



96 File pstricks-xetex-bidi.def

```

15273 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15274 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15275 \def\endpspicture{%
15276   \ifshowgrid\ifnum\showgridp>0
15277     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15278   \pst@killglue
15279 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
15280   \endgroup
15281   \egroup
15282   \ifdim\wd\pst@hbox=\z@ \else
15283     %\@pstrickserr{Extraneous space in the pspicture environment}%
15284     %\Type \space <return> \space to proceed.}%
15285   \fi
15286   \ht\pst@hbox=\pst@dimd
15287   \dp\pst@hbox=-\pst@dimb
15288   \setbox\pst@hbox=\hbox{%
15289     \kern-\pst@dimd
15290 %   Orig version -----
15291 %   \ifx\pst@tempa\@empty\else
15292 %   \advance\pst@dimd-\pst@dimb
15293 %   \pst@dimd=\pst@tempa\pst@dimd
15294 %   \advance\pst@dimd\pst@dimb
15295 %   \lower\pst@dimd
15296 %   \fi
15297 %----- end Orig
15298   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
15299   \advance\pst@dimd-\pst@dimb
15300   \pst@dimd=0.5\pst@dimd
15301   \else\pst@dimd-\pst@shift\fi
15302   \advance\pst@dimd\pst@dimb
15303   \lower\pst@dimd
15304   \box\pst@hbox
15305   \kern\pst@dimc}%
15306   \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15307   \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15308   \fboxsep=0pt
15309   \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15310   \ifmmode\else\endL\fi
15311   \endgroup%
15312   \psset[pstricks]{shift=0}% reset value
15313 }

```

97 File quotchap-xetex-bidi.def

```

15314 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15315 \renewcommand{\qauthor}[1]{%
15316   \par\smallskip
15317   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{\par}\bigskip}

```



```

15318 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15319   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15320     {\chapnumfont
15321       \ifnum \c@secnumdepth >\m@ne%
15322         \if@mainmatter\thechapter%
15323         \fi\fi
15324         \par\nobreak}%
15325     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightrightmargin\else\leftmargin\fi10pt}
15326     \nobreak\chapterheadendvskip}}
15327 \renewcommand*{\@iprintcites}{%
15328   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15329   \global\let\@printcites\relax}

```

98 File ragged2e-xetex-bidi.def

```

15330 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package]
15331 \renewcommand{\Centering}{%
15332   \ifx\\ \@raggedtwoe@savedcr
15333     \let\\ \@centercr
15334   \fi
15335   \let\@gnewline\@raggedtwoe@gnewline
15336   \if@RTL\rightrightmargin\else\leftmargin\fi\CenteringLeftskip
15337   \@rightskip\CenteringRightskip
15338   \if@RTL\leftmargin\else\rightmargin\fi\@rightskip
15339   \parfillskip\CenteringParfillskip
15340   \parindent\CenteringParindent
15341   \@raggedtwoe@spaceskiptrue
15342   \@raggedtwoe@everyselectfont
15343 }
15344 \renewcommand{\RaggedLeft}{%
15345   \ifx\\ \@raggedtwoe@savedcr
15346     \let\\ \@centercr
15347   \fi
15348   \let\@gnewline\@raggedtwoe@gnewline
15349   \if@RTL\rightrightmargin\else\leftmargin\fi\RaggedLeftLeftskip
15350   \@rightskip\RaggedLeftRightskip
15351   \if@RTL\leftmargin\else\rightmargin\fi\@rightskip
15352   \parfillskip\RaggedLeftParfillskip
15353   \parindent\RaggedLeftParindent
15354   \@raggedtwoe@spaceskiptrue
15355   \@raggedtwoe@everyselectfont
15356 }
15357 \renewcommand{\RaggedRight}{%
15358   \ifx\\ \@raggedtwoe@savedcr
15359     \let\\ \@centercr
15360   \fi
15361   \let\@gnewline\@raggedtwoe@gnewline
15362   \if@RTL\rightrightmargin\else\leftmargin\fi\RaggedRightLeftskip
15363   \@rightskip\RaggedRightRightskip
15364   \if@RTL\leftmargin\else\rightmargin\fi\@rightskip

```



```

15365 \parfillskip\RaggedRightParfillskip
15366 \parindent\RaggedRightParindent
15367 \@raggedtwoe@spaceskiptrue
15368 \@raggedtwoe@everyselectfont
15369 }
15370 \renewcommand{\justifying}{%
15371 \let\\@raggedtwoe@savedcr
15372 \let\@gnewline\@raggedtwoe@saved@gnewline
15373 \if@RTL\rightright\else\leftskip\fi\z@
15374 \@rightskip\z@
15375 \if@RTL\leftskip\else\rightright\fi\@rightskip
15376 \parfillskip\JustifyingParfillskip
15377 \parindent\JustifyingParindent
15378 \@raggedtwoe@spaceskipfalse
15379 \@raggedtwoe@everyselectfont
15380 }
15381 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{%
15382 \CheckCommand*{\@arrayparboxrestore}{%
15383 \let\if@nobreak\iffalse
15384 \let\if@noskipsec\iffalse
15385 \let\par\@par
15386 \let\-\@dischyph
15387 \let'\@acci\let'\@accii\let\=\@acciii
15388 \parindent\z@ \parskip\z@skip
15389 \everypar{}%
15390 \linewidth\hsize
15391 \@totalleftmargin\z@
15392 \if@RTL\rightright\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightright\fi\z@skip \@right
15393 \parfillskip\@flushglue \lineskip\normallineskip
15394 \baselineskip\normalbaselineskip
15395 \sloppy}%
15396 \renewcommand{\@arrayparboxrestore}{%
15397 \let\if@nobreak\iffalse
15398 \let\if@noskipsec\iffalse
15399 \let\par\@par
15400 \let\-\@dischyph
15401 \let'\@acci\let'\@accii\let\=\@acciii
15402 \parskip\z@skip
15403 \everypar{}%
15404 \linewidth\hsize
15405 \@totalleftmargin\z@
15406 \RaggedRight
15407 \lineskip\normallineskip
15408 \baselineskip\normalbaselineskip
15409 \sloppy}%
15410 \let\@raggedtwoe@raggedrightboxes@opt\relax
15411 }
15412 \let\origin@RaggedLeft=\RaggedLeft
15413 \let\origin@RaggedRight=\RaggedRight
15414 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}

```



```
15415 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}
```

99 File rapport1-xetex-bidi.def

```
15416 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15417 \renewenvironment{theindex}{%
15418   \if@twocolumn
15419     \@restonecolfalse
15420   \else
15421     \@restonecoltrue
15422   \fi
15423   \columnseprule \z@
15424   \columnsep 35\p@
15425   \twocolumn[\@makeschapterhead{\indexname}]{%
15426     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15427     \thispagestyle{plain}\parindent\z@
15428     \parskip\z@ \@plus .3\p@\relax
15429     \let\item\@idxitem
15430   }{%
15431     \if@restonecol\onecolumn\else\clearpage\fi}
15432 \renewcommand*{\head@style}{%
15433   \interlinepenalty \@M
15434   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15435   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15436 \if@titlepage
15437   \renewenvironment{abstract}{%
15438     \titlepage
15439     \null\vfil
15440     \section*{\SectFont\abstractname}%
15441     \noindent\ignorespaces}
15442   {\par\vfil\null\endtitlepage}
15443 \else
15444   \renewenvironment{abstract}{%
15445     \if@twocolumn
15446       \section*{\abstractname}%
15447     \else
15448       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15449       \section*{\small\SectFont\abstractname}%
15450       \noindent\ignorespaces
15451     \fi}
15452   {\if@twocolumn\else\par\egroup\fi}
15453 \fi
15454 \renewcommand*{\@regtocline}[3]{%
15455   \ifnum #1>\c@tocdepth
15456   \else
15457     \vskip\z@ \@plus .2\p@
15458     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15459     \if@RTL\rightskip\else\leftskip\fi=\unitindent
15460     \if@RTL\leftskip\else\rightskip\fi=\unitindent\@plus 1fil
15461     \parfillskip\z@
```



```

15462 \@tempdima\unitindent
15463 \parindent\z@
15464 \leavevmode
15465 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15466 \hskip 1em \nobreak{\slshape #3}\par
15467 }%
15468 \fi}
15469 \if@oldtoc
15470 \renewcommand*\l@part[2]{%
15471 \ifnum \c@tocdepth >-2\relax
15472 \addpenalty{-\@highpenalty}%
15473 \addvspace{2.25em \@plus\p@}%
15474 \begingroup
15475 \setlength\@tempdima{3em}%
15476 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15477 \parfillskip -\@pnumwidth
15478 {\leavevmode
15479 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15480 \nobreak
15481 \global\@nobreaktrue
15482 \everypar{\global\@nobreakfalse\everypar{}}}%
15483 \endgroup
15484 \fi}
15485 \else
15486 \renewcommand*\l@part{%
15487 \ifnum \c@tocdepth >-2\relax
15488 \addpenalty{-\@highpenalty}%
15489 \addvspace{2.25em \@plus \p@}%
15490 \@regtocline{0}%
15491 \fi}
15492 \fi
15493 \if@oldtoc
15494 \renewcommand*\l@chapter[2]{%
15495 \addpenalty{-\@highpenalty}%
15496 \vskip 1.0em \@plus\p@
15497 \setlength\@tempdima{1.5em}%
15498 \begingroup
15499 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15500 \parfillskip -\@pnumwidth
15501 \leavevmode \bfseries
15502 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
15503 \hskip -\if@RTL\righskip\else\leftskip\fi
15504 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15505 \penalty\@highpenalty
15506 \endgroup}
15507 \else
15508 \renewcommand*\l@chapter{\@regtocline{0}}
15509 \fi
15510 \renewcommand*\left@footnoterule{%
15511 \kern-3\p@

```




```

15512 \kern.5\baselineskip
15513 \hrule\@width\unitindent
15514 \kern.4\baselineskip
15515 }
15516 \renewcommand*\right@footnoterule{%
15517 \kern-3\p@
15518 \kern.5\baselineskip
15519 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15520 \kern.4\baselineskip}
15521 \renewenvironment{thebibliography}[1]
15522 {
15523   \chapter*\bibname}%
15524   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15525   \ifRTL\ifLTR\bibitems\@RTLfalse\else\fi\else\ifRTL\bibitems\@RTLtrue\else\fi\fi
15526   \bidi@thebibliography@font@hook%
15527   \list{\@biblabel{\@arabic\c@enumiv}}%
15528     {\settowidth\labelwidth{\@biblabel{#1}}%
15529     \leftmargin\labelwidth
15530     \advance\leftmargin\labelsep
15531     \@openbib@code
15532     \usecounter{enumiv}%
15533     \let\p@enumiv\@empty
15534     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15535   \sloppy\clubpenalty4000\widowpenalty4000%
15536   \sfcode`\.\@m}
15537   {\def\@noitemerr
15538     {\@latex@warning{Empty `thebibliography' environment}}}%
15539   \endlist}
15540 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15541 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15542 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15543 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15544 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15545 \renewcommand*\theequation{%
15546   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15547 \renewcommand*\thefigure{%
15548   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15549 \renewcommand*\thetable{%
15550   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15551 \if@titlepage
15552 \renewcommand*\TitleFont{\rmfamily}
15553 \renewcommand*\maketitle{%
15554   \begin{titlepage}%
15555     \let\footnotesize\small
15556     \let\right@footnoterule\relax
15557     \let\left@footnoterule\relax
15558     \let\textwidth\footnoterule\relax
15559     \let \footnote \thanks
15560     \long\def\@makefnmark##1{\parindent\z@
15561       \def\labelitemi{\textendash}\@revlabeltrue
15562       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}

```



```

15562 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15563 \ifcompatibility\setcounter{page}{0}\fi
15564 \null\vfil
15565 \vskip 60\p@
15566 \begin{center}%
15567 \TitleFont
15568 {\LARGE \def\{\penalty -\@M}
15569 \if@allcaps
15570 \expandafter\uc@nothanks\@title\thanks\relax
15571 \else
15572 \@title
15573 \fi\par}%
15574 \vskip 3em%
15575 {\large
15576 \lineskip .75em \parindent\z@
15577 \begin{tabular}[t]{c}%
15578 \if@allcaps
15579 \expandafter\uc@authornothanks\@author\and\relax
15580 \else
15581 \@author
15582 \fi
15583 \end{tabular}\par}%
15584 \vskip 1.5em%
15585 {\large
15586 \if@allcaps
15587 \uppercase\expandafter{\@date}%
15588 \else
15589 \@date
15590 \fi\par}%
15591 \end{center}\par
15592 \@thanks
15593 \vfil\null
15594 \end{titlepage}%
15595 \setcounter{footnote}{0}%
15596 \global\let\thanks\relax
15597 \global\let\maketitle\relax
15598 \global\let\@thanks\@empty
15599 \global\let\@author\@empty
15600 \global\let\@title\@empty
15601 \global\let\@date\@empty
15602 \global\let\title\relax
15603 \global\let\author\relax
15604 \global\let\date\relax
15605 \global\let\and\relax
15606 }
15607 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15608 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15609 \futurelet\@tempa\uc@ax}
15610 \def\uc@ax{%
15611 \ifx\@tempa\relax

```



```

15612 \else
15613   \ \ \andname \ \ \expandafter\uc@authornothanks
15614 \fi}
15615 \def\uc@tx{\ifx\@tempa\relax
15616   \else \expandafter\uc@ty \fi}
15617 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15618 \else
15619 \renewcommand*\maketitle{\par
15620 \begingroup
15621   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15622   \def\@makefnmark{\rlap{%
15623     \@textsuperscript{\normalfont\@thefnmark}}}%
15624   \long\def\@makefnmark{\@xmakefnmark}%
15625   \@textsuperscript{\normalfont\@thefnmark}}}%
15626   \if@twocolumn
15627     \ifnum \col@number=\@ne
15628       \@maketitle
15629     \else
15630       \twocolumn[\@maketitle]%
15631     \fi
15632   \else
15633     \newpage
15634     \global\@topnum\z@
15635     \@maketitle
15636   \fi
15637   \thispagestyle{plain}\@thanks
15638 \endgroup
15639 \setcounter{footnote}{0}%
15640 \global\let\thanks\relax
15641 \global\let\maketitle\relax
15642 \global\let\@maketitle\relax
15643 \global\let\@thanks\@empty
15644 \global\let\@author\@empty
15645 \global\let\@title\@empty
15646 \global\let\@date\@empty
15647 \global\let\title\relax
15648 \global\let\author\relax
15649 \global\let\date\relax
15650 \global\let\and\relax
15651 }
15652 \def\@maketitle{%
15653 \newpage
15654 \null
15655 \vskip 2em%
15656 \begin{center}%
15657   \let \footnote \thanks
15658   {\LARGE \TitleFont \@title \par}%
15659   \vskip 1.5em%
15660   {\large \TitleFont
15661     \lineskip .5em%

```



```

15662     \begin{tabular}[t]{c}%
15663         \@author
15664     \end{tabular}\par}%
15665     \vskip 1em%
15666     {\large \TitleFont \@date}%
15667 \end{center}%
15668 \par
15669 \vskip 1.5em}
15670 \fi

```

100 File rapport3-xetex-bidi.def

```

15671 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
15672 \renewenvironment{theindex}{%
15673     \if@twocolumn
15674         \@restonecolfalse
15675     \else
15676         \@restonecoltrue
15677     \fi
15678     \columnseprule \z@
15679     \columnsep 35\p@
15680     \twocolumn[\@makeschapterhead{\indexname}]%
15681     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15682     \thispagestyle{plain}\parindent\z@
15683     \parskip\z@ \@plus .3\p@\relax
15684     \let\item\@idxitem
15685 }{%
15686     \if@restonecol\onecolumn\else\clearpage\fi}
15687 \if@titlepage
15688 \renewcommand*\TitleFont{\rmfamily}
15689 \renewcommand*\maketitle{%
15690     \begin{titlepage}%
15691         \let\footnotesize\small
15692         \let\right@footnoterule\relax
15693         \let\left@footnoterule\relax
15694         \let\textwidth@footnoterule\relax
15695         \let \footnote \thanks
15696         \let \LTRfootnote \LTRthanks
15697         \let \RTLfootnote \RTLthanks
15698         \long\def\@makefnmark##1{\parindent\z@
15699             \def\labelitemi{\textendash}\@revlabeltrue
15700             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15701         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15702         \if@compatibility\setcounter{page}{0}\fi
15703         \null\vfil
15704         \vskip 60\p@
15705         \begin{center}%
15706             \TitleFont
15707             {\LARGE \def\\{\penalty -\@M}
15708             \if@allcaps

```



```

15709         \expandafter\uc@nothanks \@title\thanks\relax
15710     \else
15711         \@title
15712     \fi\par}%
15713     \vskip 3em%
15714     {\large
15715     \lineskip .75em \parindent\z@
15716     \begin{tabular}[t]{c}%
15717         \if@allcaps
15718             \expandafter\uc@authornothanks \@author\and\relax
15719         \else
15720             \@author
15721         \fi
15722     \end{tabular}\par}%
15723     \vskip 1.5em%
15724     {\large
15725     \if@allcaps
15726         \uppercase\expandafter{\@date}%
15727     \else
15728         \@date
15729     \fi\par}%
15730     \end{center}\par
15731     \@thanks
15732     \vfil\null
15733 \end{titlepage}%
15734 \setcounter{footnote}{0}%
15735 \global\let\thanks\relax
15736 \global\let\LTRthanks\relax
15737 \global\let\RTLthanks\relax
15738 \global\let\maketitle\relax
15739 \global\let\@thanks\@empty
15740 \global\let\@author\@empty
15741 \global\let\@title\@empty
15742 \global\let\@date\@empty
15743 \global\let\title\relax
15744 \global\let\author\relax
15745 \global\let\date\relax
15746 \global\let\and\relax
15747 }
15748 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15749 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15750     \futurelet\@tempa\uc@ax}
15751 \def\uc@ax{%
15752     \ifx\@tempa\relax
15753     \else
15754         \ \ \andname \ \ \expandafter\uc@authornothanks
15755     \fi}
15756 \def\uc@tx{\ifx\@tempa\relax
15757     \else \expandafter\uc@ty \fi}
15758 \def\uc@ty#1{\thanks{#1}\uc@nothanks}

```



```

15759 \else
15760 \renewcommand*\maketitle{\par
15761   \begingroup
15762     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15763     \def\@makefnmark{\rlap{%
15764       \@textsuperscript{\normalfont\@thefnmark}}}%
15765     \long\def\@makefntext{\@xmakefntext{%
15766       \@textsuperscript{\normalfont\@thefnmark}}}%
15767     \if@twocolumn
15768       \ifnum \col@number=\@ne
15769         \@maketitle
15770       \else
15771         \twocolumn[\@maketitle]%
15772       \fi
15773     \else
15774       \newpage
15775       \global\@topnum\z@
15776       \@maketitle
15777     \fi
15778     \thispagestyle{plain}\@thanks
15779 \endgroup
15780 \setcounter{footnote}{0}%
15781 \global\let\thanks\relax
15782 \global\let\LTRthanks\relax
15783 \global\let\RTLthanks\relax
15784 \global\let\maketitle\relax
15785 \global\let\@maketitle\relax
15786 \global\let\@thanks\@empty
15787 \global\let\@author\@empty
15788 \global\let\@title\@empty
15789 \global\let\@date\@empty
15790 \global\let\title\relax
15791 \global\let\author\relax
15792 \global\let\date\relax
15793 \global\let\and\relax
15794 }
15795 \def\@maketitle{%
15796   \newpage
15797   \null
15798   \vskip 2em%
15799   \if@titlecentered
15800     \begin{center}%
15801       \let \footnote \thanks
15802       \let \LTRfootnote \LTRthanks
15803       \let \RTLfootnote \RTLthanks
15804       {\LARGE \TitleFont \@title \par}%
15805       \vskip 1.5em%
15806       {\large \TitleFont
15807         \lineskip .5em%
15808         \begin{tabular}[t]{c}%

```



```

15809      \@author
15810      \end{tabular}\par}%
15811      \vskip 1em%
15812      {\large \TitleFont \@date}%
15813      \end{center}%
15814      \else
15815      {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
15816      {\large \TitleFont \lineskip .5em \tabcolsep\z@
15817      \def\and{%% \begin{tabular} has already started
15818      \end{tabular}\hskip 1em plus .17fil
15819      \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
15820      \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
15821      \vskip 1em {\large \TitleFont \@date}
15822      \fi
15823      \par
15824      \vskip 1.5em}
15825      \fi
15826      \renewcommand*\@regtocline[3]{%
15827      \ifnum #1>\c@tocdepth
15828      \else
15829      \vskip\z@\@plus.2\p@
15830      {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15831      \if@RTL\righskip\else\leftskip\fi\unitindent
15832      \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15833      \parfillskip\z@
15834      \@tempdima\unitindent
15835      \parindent\z@
15836      \leavevmode
15837      \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15838      \hskip 1em \nobreak{\slshape #3}\par
15839      }%
15840      \fi}
15841      \if@oldtoc
15842      \renewcommand*\l@part[2]{%
15843      \ifnum \c@tocdepth >-2\relax
15844      \addpenalty{-\@highpenalty}%
15845      \addvspace{2.25em \@plus\p@}%
15846      \begingroup
15847      \setlength\@tempdima{3em}%
15848      \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15849      \parfillskip -\@pnumwidth
15850      {\leavevmode
15851      \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15852      \nobreak
15853      \global\@nobreaktrue
15854      \everypar{\global\@nobreakfalse\everypar{}}%
15855      \endgroup
15856      \fi}
15857      \else
15858      \renewcommand*\l@part{%

```



```

15859 \ifnum \c@tocdepth >-2\relax
15860 \addpenalty{-\@highpenalty}%
15861 \addvspace{2.25em \@plus \p@}%
15862 \@regtocline{0}%
15863 \fi}
15864 \fi
15865 \if@oldtoc
15866 \renewcommand*\l@chapter[2]{%
15867 \addpenalty{-\@highpenalty}%
15868 \vskip 1.0em \@plus \p@
15869 \setlength\@tempdima{1.5em}%
15870 \begingroup
15871 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15872 \parfillskip -\@pnumwidth
15873 \leavevmode \bfseries
15874 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15875 \hskip -\if@RTL\rightskip\else\leftskip\fi
15876 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15877 \penalty\@highpenalty
15878 \endgroup}
15879 \else
15880 \renewcommand*\l@chapter{\@regtocline{0}}
15881 \fi
15882 \renewcommand*\head@style{%
15883 \interlinepenalty \@M
15884 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15885 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15886 \if@titlepage
15887 \renewenvironment{abstract}{%
15888 \titlepage
15889 \null\vfil
15890 \section*{\SectFont\abstractname}%
15891 \noindent\ignorespaces}
15892 {\par\vfil\null\endtitlepage}
15893 \else
15894 \renewenvironment{abstract}{%
15895 \if@twocolumn
15896 \section*{\abstractname}%
15897 \else
15898 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15899 \section*{\small\SectFont\abstractname}%
15900 \noindent\ignorespaces
15901 \fi}
15902 {\if@twocolumn\else\par\egroup\fi}
15903 \fi
15904 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15905 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15906 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15907 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15908 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}

```




```

15909 \renewcommand*\thefigure{%
15910   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15911 \renewcommand*\thetable{%
15912   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15913 \renewcommand*\theequation{%
15914   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
15915 \renewenvironment{thebibliography}[1]
15916   {\chapter*{\bibname}%
15917    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15918    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15919    \bidi@thebibliography@font@hook%
15920    \list{\@biblabel{\@arabic\c@enumiv}}%
15921      {\settowidth\labelwidth{\@biblabel{#1}}%
15922       \leftmargin\labelwidth
15923       \advance\leftmargin\labelsep
15924       \@openbib@code
15925       \usecounter{enumiv}%
15926       \let\p@enumiv\@empty
15927       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15928     \sloppy\clubpenalty4000\widowpenalty4000%
15929     \sfcode`\.\@m}
15930 {\def\@noitemerr
15931   {\@latex@warning{Empty `thebibliography' environment}}%
15932   \endlist}
15933 \renewcommand*\left@footnoterule{%
15934   \kern-3\p@
15935   \kern.5\baselineskip
15936   \hrule\@width\unitindent
15937   \kern.4\baselineskip
15938 }
15939 \renewcommand*\right@footnoterule{%
15940   \kern-3\p@
15941   \kern.5\baselineskip
15942   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15943   \kern.4\baselineskip}
15944 \renewcommand*\head@style{%
15945   \interlinepenalty \@M
15946   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15947   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

101 File refrep-xetex-bidi.def

```

15948 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for XeLaTeX]
15949 \if@titlepage
15950   \renewcommand\maketitle{\begin{titlepage}%
15951     \let\footnotesize\small
15952     \let\right@footnoterule\relax
15953     \let\left@footnoterule\relax
15954     \let\textwidth\footnoterule\relax
15955     \let\footnote\thanks

```



```

15956 \let\LTRfootnote\LTRthanks
15957 \let\RTLfootnote\RTLthanks
15958 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
15959 \def\@makefnmark%
15960     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
15961 \long\def\@makefntext##1{%
15962     \setpar{\@par
15963         \tempdima = \hsize
15964         \advance\tempdima -1em
15965         \parshape \@ne 1em \tempdima}%
15966     \par\parindent 1em \noindent
15967     \hb@xt@\z@\{ \hss \@textsuperscript{\normalfont\@thefnmark}\,}##1}
15968 \null\vfil
15969 \vskip 60\p@
15970 \begin{center}%
15971     {\LARGE \@title \par}%
15972     \vskip 3em%
15973     {\large
15974         \lineskip .75em%
15975         \begin{tabular}[t]{c}%
15976             \@author
15977         \end{tabular}\par}%
15978     \vskip 1.5em%
15979     {\large \@date \par}%           % Set date in \large size.
15980 \end{center}\par
15981 \@thanks
15982 \vfil\null
15983 \end{titlepage}%
15984 \setcounter{footnote}{0}%
15985 \global\let\thanks\relax
15986 \global\let\LTRthanks\relax
15987 \global\let\RTLthanks\relax
15988 \global\let\maketitle\relax
15989 \global\let\@thanks\@empty
15990 \global\let\@author\@empty
15991 \global\let\@date\@empty
15992 \global\let\@title\@empty
15993 \global\let\title\relax
15994 \global\let\author\relax
15995 \global\let\date\relax
15996 \global\let\and\relax
15997 }
15998 \else
15999 \renewcommand\maketitle{\par
16000     \begingroup
16001         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16002         \def\@makefnmark%
16003             {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16004         \long\def\@makefntext##1{%
16005             \setpar{\@par

```



```

16006         \@tempdima = \hsize
16007         \advance\@tempdima -1em
16008         \parshape \@ne 1em \@tempdima}%
16009     \par\parindent 1em \noindent
16010     \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16011 \if@twocolumn
16012     \ifnum \col@number=\@ne
16013         \@maketitle
16014     \else
16015         \twocolumn[\@maketitle]%
16016     \fi
16017 \else
16018     \newpage
16019     \global\@topnum\z@    % Prevents figures from going at top of page.
16020     \@maketitle
16021 \fi
16022 \thispagestyle{empty}\@thanks
16023 \endgroup
16024 \setcounter{footnote}{0}%
16025 \global\let\thanks\relax
16026 \global\let\LTRthanks\relax
16027 \global\let\RTLthanks\relax
16028 \global\let\maketitle\relax
16029 \global\let\@maketitle\relax
16030 \global\let\@thanks\@empty
16031 \global\let\@author\@empty
16032 \global\let\@date\@empty
16033 \global\let\@title\@empty
16034 \global\let\title\relax
16035 \global\let\author\relax
16036 \global\let\date\relax
16037 \global\let\and\relax
16038 }
16039 \def\@maketitle{%
16040     \newpage
16041     \null
16042     \longthickrule\vskip1.5em%
16043     \let \footnote \thanks
16044     \let \LTRfootnote \LTRthanks
16045     \let \RTLfootnote \RTLthanks
16046     {\secshape \parskip\z@ \parindent\z@
16047     \Large\bfseries \@title \par}%
16048     \vskip1.5em\longthickrule\vskip1.5em%
16049     {\normalsize
16050     \lineskip .5em%
16051     \begin{flushright}%
16052         {\slshape\@author\par}
16053         \vskip 1em%
16054         {\@date}%
16055     \end{flushright}\par}%

```



```

16056 \vskip 1.5em}
16057 \fi
16058 \renewcommand*\l@part[2]{%
16059 \ifnum \c@tocdepth >-2\relax
16060 \addpenalty{-\@highpenalty}%
16061 \addvspace{2.25em \@plus\p@}%
16062 \begingroup
16063 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16064 \parfillskip -\@pnumwidth
16065 {\leavevmode
16066 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16067 \nobreak
16068 \global\@nobreaktrue
16069 \everypar{\global\@nobreakfalse\everypar{}}%
16070 \endgroup
16071 \fi}
16072 \renewcommand*\l@chapter[2]{%
16073 \ifnum \c@tocdepth >\m@ne
16074 \addpenalty{-\@highpenalty}%
16075 \vskip 1.0em \@plus\p@
16076 \setlength\@tempdima{1.5em}%
16077 \begingroup
16078 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16079 \parfillskip -\@pnumwidth
16080 \leavevmode \bfseries
16081 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16082 \hskip -\if@RTL\rightskip\else\leftskip\fi
16083 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16084 \penalty\@highpenalty
16085 \endgroup
16086 \fi}
16087 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16088 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16089 \hyphenpenalty=2000}
16090 \renewcommand\left@footnoterule{%
16091 \kern-3\p@
16092 \hrule\@width.4\columnwidth
16093 \kern 2.6\p@}
16094 \renewcommand\right@footnoterule{%
16095 \kern-3\p@
16096 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16097 \kern2.6\p@}
16098 \renewcommand\theequation
16099 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16100 \renewcommand\thefigure
16101 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16102 \renewcommand\thetable%
16103 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16104 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16105 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}

```



```

16106 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16107 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16108 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16109 \renewenvironment{thebibliography}[1]
16110     {\chapter*{\bibname
16111         \@mkboth{\bibname}{\bibname}}%
16112         \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
16113         \bidi@thebibliography@font@hook%
16114         \list{\@biblabel{\@arabic\c@enumiv}}%
16115             {\settowidth\labelwidth{\@biblabel{#1}}%
16116             \leftmargin\labelwidth
16117             \advance\leftmargin\labelsep
16118             \@openbib@code
16119             \usecounter{enumiv}%
16120             \let\p@enumiv\@empty
16121             \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16122             \sloppy
16123             \clubpenalty4000
16124             \@clubpenalty \clubpenalty
16125             \widowpenalty4000%
16126         \sfcode`\.=\@m}
16127 {\def\@noitemerr
16128     {\@latex@warning{Empty `thebibliography' environment}}%
16129 \endlist}

```

102 File report-xetex-bidi.def

```

16130 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
16131 \renewenvironment{theindex}
16132     {\if@twocolumn
16133         \@restonecolfalse
16134         \else
16135             \@restonecoltrue
16136         \fi
16137         \columnseprule \z@
16138         \columnsep 35\p@
16139         \twocolumn[\@makeschapterhead{\indexname}]%
16140         \@mkboth{\MakeUppercase\indexname}%
16141             {\MakeUppercase\indexname}%
16142         \thispagestyle{plain}\parindent\z@
16143         \parskip\z@ \@plus .3\p@\relax
16144         \let\item\@idxitem}
16145     {\if@restonecol\onecolumn\else\clearpage\fi}
16146 \if@titlepage
16147 \renewcommand\maketitle{\begin{titlepage}%
16148 \let\footnotesize\small
16149 \let\right@footnoterule\relax
16150 \let\left@footnoterule\relax
16151 \let\textwidth\footnoterule\relax
16152 \let \footnote \thanks

```



```

16153 \let \LTRfootnote \LTRthanks
16154 \let \RTLfootnote \RTLthanks
16155 \null\vfil
16156 \vskip 60\p@
16157 \begin{center}%
16158   {\LARGE \@title \par}%
16159   \vskip 3em%
16160   {\large
16161     \lineskip .75em%
16162     \begin{tabular}[t]{c}%
16163       \@author
16164     \end{tabular}\par}%
16165     \vskip 1.5em%
16166     {\large \@date \par}%           % Set date in \large size.
16167 \end{center}\par
16168 \@thanks
16169 \vfil\null
16170 \end{titlepage}%
16171 \setcounter{footnote}{0}%
16172 \global\let\thanks\relax
16173 \global\let\LTRthanks\relax
16174 \global\let\RTLthanks\relax
16175 \global\let\maketitle\relax
16176 \global\let\@thanks\@empty
16177 \global\let\@author\@empty
16178 \global\let\@date\@empty
16179 \global\let\@title\@empty
16180 \global\let\title\relax
16181 \global\let\author\relax
16182 \global\let\date\relax
16183 \global\let\and\relax
16184 }
16185 \else
16186 \renewcommand\maketitle{\par
16187   \begingroup
16188     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16189     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16190     \long\def\@makefntext##1{\parindent 1em\noindent
16191       \hb@xt@1.8em{%
16192         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16193     \if@twocolumn
16194       \ifnum \col@number=\@ne
16195         \@maketitle
16196       \else
16197         \twocolumn[\@maketitle]%
16198       \fi
16199     \else
16200       \newpage
16201       \global\@topnum\z@      % Prevents figures from going at top of page.
16202       \@maketitle

```



```

16203 \fi
16204 \thispagestyle{plain}\@thanks
16205 \endgroup
16206 \setcounter{footnote}{0}%
16207 \global\let\thanks\relax
16208 \global\let\LTRthanks\relax
16209 \global\let\RTLthanks\relax
16210 \global\let\maketitle\relax
16211 \global\let\@maketitle\relax
16212 \global\let\@thanks\@empty
16213 \global\let\@author\@empty
16214 \global\let\@date\@empty
16215 \global\let\@title\@empty
16216 \global\let\title\relax
16217 \global\let\author\relax
16218 \global\let\date\relax
16219 \global\let\and\relax
16220 }
16221 \def\@maketitle{%
16222 \newpage
16223 \null
16224 \vskip 2em%
16225 \begin{center}%
16226 \let \footnote \thanks
16227 \let \LTRfootnote \LTRthanks
16228 \let \RTLfootnote \RTLthanks
16229 {\LARGE \@title \par}%
16230 \vskip 1.5em%
16231 {\large
16232 \lineskip .5em%
16233 \begin{tabular}[t]{c}%
16234 \@author
16235 \end{tabular}\par}%
16236 \vskip 1em%
16237 {\large \@date}%
16238 \end{center}%
16239 \par
16240 \vskip 1.5em}
16241 \fi
16242 \renewcommand*\l@part[2]{%
16243 \ifnum \c@tocdepth >-2\relax
16244 \addpenalty{-\@highpenalty}%
16245 \addvspace{2.25em \@plus\p}%
16246 \setlength\@tempdima{3em}%
16247 \begingroup
16248 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
16249 \parfillskip -\@pnumwidth
16250 {\leavevmode
16251 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16252 \nobreak

```



```

16253         \global\@nbreaktrue
16254         \everypar{\global\@nbreakfalse\everypar{}}%
16255     \endgroup
16256 \fi}
16257 \renewcommand*\l@chapter[2]{%
16258     \ifnum \c@tocdepth >\m@ne
16259         \addpenalty{-\@highpenalty}%
16260         \vskip 1.0em \@plus\p@
16261         \setlength\@tempdima{1.5em}%
16262         \begingroup
16263             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16264             \parfillskip -\@pnumwidth
16265             \leavevmode \bfseries
16266             \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16267             \hskip -\if@RTL\rightskip\else\leftskip\fi
16268             #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16269             \penalty\@highpenalty
16270         \endgroup
16271 \fi}
16272 \renewcommand\left@footnoterule{%
16273     \kern-3\p@
16274     \hrule\@width.4\columnwidth
16275     \kern2.6\p@}
16276 \renewcommand\right@footnoterule{%
16277     \kern-3\p@
16278     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16279     \kern2.6\p@}
16280 \renewcommand\theequation
16281     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16282 \renewcommand \thefigure
16283     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16284 \renewcommand \thetable
16285     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16286 \renewcommand \thechapter {\@arabic\c@chapter}
16287 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16288 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16289 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16290 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
16291 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
16292 \def\@makechapterhead#1{%
16293     \vspace*{50\p@}%
16294     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16295         \ifnum \c@secnumdepth >\m@ne
16296             \huge\bfseries \@chapapp\space \thechapter
16297             \par\nobreak
16298             \vskip 20\p@
16299         \fi
16300         \interlinepenalty\@M
16301         \Huge \bfseries #1\par\nobreak
16302         \vskip 40\p@

```




```

16303 }}
16304 \def\@makeschapterhead#1{%
16305   \vspace*{50\p@}%
16306   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16307     \normalfont
16308     \interlinepenalty\@M
16309     \Huge \bfseries #1\par\nobreak
16310     \vskip 40\p@
16311   }}
16312 \renewenvironment{thebibliography}[1]
16313   {\chapter*{\bibname}%
16314     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16315     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16316     \bidi@thebibliography@font@hook%
16317     \list{\@biblabel{\@arabic\c@enumiv}}%
16318       {\settowidth\labelwidth{\@biblabel{#1}}%
16319         \leftmargin\labelwidth
16320         \advance\leftmargin\labelsep
16321         \@openbib@code
16322         \usecounter{enumiv}%
16323         \let\p@enumiv\@empty
16324         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16325     \sloppy
16326     \clubpenalty4000
16327     \@clubpenalty \clubpenalty
16328     \widowpenalty4000%
16329     \sfcode`..\@m}
16330   {\def\@noitemerr
16331     {\@latex@warning{Empty `thebibliography' environment}}%
16332     \endlist}

```

103 File rotating-xetex-bidi.def

```

16333 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16334 \def\end@rotfloat{%
16335   \end{minipage}\end{lrbox}%
16336   \stepcounter{r@tfl@t}%
16337   \rot@label{RF\ther@tfl@t}%
16338   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16339   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16340   \rot@mess@toks\expandafter{\@tempa}
16341   \wd\rot@float@box\z@
16342   \ht\rot@float@box\z@
16343   \dp\rot@float@box\z@
16344   \vboxL to \textheight{%
16345     \setkeys{Grot}{units=360}%
16346     \if@rot@twoside
16347       \else
16348         \let\R@@page\rot@LR
16349       \fi

```



```

16350 \ifthenelse{\isodd{\R@@page}}{%
16351 \if@rot@twoside
16352 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16353 \fi
16354 \vfill
16355 \@@line{%
16356 \hskip\rotFPtop
16357 \rotatebox{90}{\box\rot@float@box}%
16358 \hskip\rotFPbot
16359 }%
16360 }{%
16361 \if@rot@twoside
16362 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16363 \fi
16364 \@@line{%
16365 \hskip\rotFPbot
16366 \rotatebox{-90}{\box\rot@float@box}%
16367 \hskip\rotFPtop
16368 }%
16369 \vfill
16370 }%
16371 \rot@message{\the\rot@mess@toks}
16372 }%
16373 \end@float
16374 }
16375 \let\endsidewaysfigure\end@rotfloat
16376 \let\endsidewaysstable\end@rotfloat
16377 \def\end@rotdblfloat{%
16378 \end{minipage}\end{lrbox}%
16379 \stepcounter{r@tfl@t}%
16380 \rot@label{RF\ther@tfl@t}%
16381 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16382 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16383 \rot@mess@toks\expandafter{\@tempa}
16384 \@tempdima\ht\rot@float@box
16385 \advance\@tempdima by \dp\rot@float@box
16386 \wd\rot@float@box\z@
16387 \ht\rot@float@box\z@
16388 \dp\rot@float@box\z@
16389 \vboxL to \textheight{%
16390 \setkeys{Grot}{units=360}%
16391 \if@rot@twoside
16392 \else
16393 \let\R@@page\rot@LR
16394 \fi
16395 \ifthenelse{\isodd{\R@@page}}{%
16396 \ifrot@messages
16397 \if@rot@twoside
16398 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16399 \fi

```



```

16400 \fi
16401 \vfill
16402 \@@line{%
16403 \hskip\rotFPtop
16404 \rotatebox{90}{\box\rot@float@box}%
16405 \hskip\rotFPbot
16406 }%
16407 }{%
16408 \ifrot@messages
16409 \ifrot@twoside
16410 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16411 \fi
16412 \fi%
16413 \@@line{%
16414 \hskip\rotFPbot
16415 \rotatebox{-90}{\box\rot@float@box}%
16416 \hskip\rotFPtop
16417 }%
16418 \vfill
16419 }%
16420 \rot@message{\the\rot@mess@toks}%
16421 }%
16422 \end@dblfloat
16423 }
16424 \def\turn#1{%
16425 \Grot@setangle{#1}%
16426 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16427 \def\endturn{%
16428 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16429 \unskip\color@endbox
16430 \Grot@x\z@
16431 \Grot@y\z@
16432 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16433 }
16434 \def\rotate#1{%
16435 \Grot@setangle{#1}%
16436 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16437 \def\endrotate{%
16438 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16439 \unskip\color@endbox
16440 \Grot@x\z@
16441 \Grot@y\z@
16442 \wd0\z@\dp0\z@\ht0\z@
16443 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16444 }
16445 \def\turnbox#1#2{%
16446 \Grot@setangle{#1}%
16447 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
16448 \Grot@x\z@\Grot@y\z@
16449 \wd0\z@\dp0\z@\ht0\z@

```



```

16450 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16451 }
16452 \def\sideways{%
16453 \Grot@setangle{90}%
16454 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16455 \def\endsideways{%
16456 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16457 \unskip\color@endbox
16458 \Grot@x\z@
16459 \Grot@y\z@
16460 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16461 }

```

104 File scrartcl-xetex-bidi.def

```

16462 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16463 \newcommand{\scr@sav@LTRfootnotetext}{}
16464 \newcommand{\scr@sav@RTLfootnotetext}{}
16465 \let\scr@sav@footnotetext\@footnotetext
16466 \let\scr@sav@LTRfootnotetext\@LTRfootnotetext
16467 \let\scr@sav@RTLfootnotetext\@RTLfootnotetext
16468 \renewcommand{\@footnotetext}[1]{%
16469 \scr@sav@footnotetext{#1}%
16470 \csname FN@mfp@prepare\endcsname
16471 }
16472 \renewcommand{\@LTRfootnotetext}[1]{%
16473 \scr@sav@LTRfootnotetext{#1}%
16474 \csname FN@mfp@prepare\endcsname
16475 }
16476 \renewcommand{\@RTLfootnotetext}[1]{%
16477 \scr@sav@RTLfootnotetext{#1}%
16478 \csname FN@mfp@prepare\endcsname
16479 }
16480 \renewcommand\deffootnote[4][1]{%
16481 \long\def\@makefn#1{%
16482 \setlength{\@tempdimc}{#3}%
16483 \def\@tempa{#1}\ifx\@tempa\@empty
16484 \setpar{\@par
16485 \@tempdima = \hsize
16486 \addtolength{\@tempdima}{-#2}%
16487 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16488 \else
16489 \addtolength{\@tempdimc}{#2}%
16490 \addtolength{\@tempdimc}{-#1}%
16491 \setpar{\@par
16492 \@tempdima = \hsize
16493 \addtolength{\@tempdima}{-#1}%
16494 \@tempdimb = \hsize
16495 \addtolength{\@tempdimb}{-#2}%
16496 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #

```



```

16497     }%
16498     \fi
16499     \par
16500     \parindent\@tempdimc\noindent
16501     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16502 }%
16503 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
16504 }
16505 \def\footnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16506 \renewcommand*\left@footnoterule{%
16507   \normalsize\ftn@rule@test@values
16508   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16509   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16510   {\usekomafont{footnoterule}{%
16511     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16512   \kern 2.6\p@}
16513 \renewcommand*\right@footnoterule{%
16514   \normalsize\ftn@rule@test@values
16515   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16516   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16517   {\usekomafont{footnoterule}{%
16518     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16519     \kern 2.6\p@}
16520 \renewcommand*\maketitle[1][1]{%
16521   \if@titlepage
16522     \begin{titlepage}
16523       \setcounter{page}{%
16524         #1%
16525       }%
16526       \let\footnotesize\small
16527       \let\right@footnoterule\relax
16528       \let\left@footnoterule\relax
16529       \let\textwidth@footnoterule\relax
16530       \let\footnote\thanks
16531       \let\LTRfootnote\LTRthanks
16532       \let\RTLfootnote\RTLthanks
16533       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16534       \let\@oldmakefnmark\@makefnmark
16535       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16536       \ifx\@extratitle\@empty \else
16537         \noindent\@extratitle\next@tpage\cleardoubleemptypage
16538         \thispagestyle{empty}%
16539       \fi
16540       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16541       \ifx\@titlehead\@empty \else
16542         \begin{minipage}[t]{\textwidth}%
16543           \@titlehead
16544         \end{minipage}\par
16545       \fi
16546       \null\vfill

```



```

16547 \begin{center}
16548 \ifx\@subject\@empty \else
16549 {\subject@font \@subject \par}%
16550 \vskip 3em
16551 \fi
16552 {\titlefont\huge \@title\par}%
16553 \vskip 1em
16554 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16555 \vskip 2em
16556 {\Large \lineskip 0.75em
16557 \begin{tabular}[t]{c}
16558 \@author
16559 \end{tabular}\par
16560 }%
16561 \vskip 1.5em
16562 {\Large \@date \par}%
16563 \vskip \z@ \@plus3fill
16564 {\Large \@publishers \par}%
16565 \vskip 3em
16566 \end{center}\par
16567 \@thanks
16568 \vfill\null
16569 \if@twoside\next@tpage
16570 \begin{minipage}[t]{\textwidth}
16571 \@uppertitleback
16572 \end{minipage}\par
16573 \vfill
16574 \begin{minipage}[b]{\textwidth}
16575 \@lowertitleback
16576 \end{minipage}
16577 \fi
16578 \ifx\@dedication\@empty \else
16579 \next@tpage\null\vfill
16580 {\centering \Large \@dedication \par}%
16581 \vskip \z@ \@plus3fill
16582 \if@twoside \next@tpage\cleardoubleemptypage \fi
16583 \fi
16584 \end{titlepage}
16585 \else
16586 \par
16587 \@tempcnta=%
16588 #1%
16589 \relax\ifnum\@tempcnta=1\else
16590 \ClassWarning{\KOMAClassName}{%
16591 Optional argument of \string\maketitle\space ignored
16592 at\MessageBreak
16593 notitlepage-mode%
16594 }%
16595 \fi
16596 \begingroup

```



```

16597 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16598 \let\@oldmakefnmark\@makefnmark
16599 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
16600 \if@twocolumn
16601 \ifnum \col@number=\@ne
16602 \@maketitle
16603 \else
16604 \twocolumn[\@maketitle]%
16605 \fi
16606 \else
16607 \newpage
16608 \global\@topnum\z@
16609 \@maketitle
16610 \fi
16611 \thispagestyle{\titlepagestyle}\@thanks
16612 \endgroup
16613 \fi
16614 \setcounter{footnote}{0}%
16615 \let\thanks\relax
16616 \let\LTRthanks\relax
16617 \let\RTLthanks\relax
16618 \let\maketitle\relax
16619 \let\@maketitle\relax
16620 \global\let\@thanks\@empty
16621 \global\let\@author\@empty
16622 \global\let\@date\@empty
16623 \global\let\@title\@empty
16624 \global\let\@subtitle\@empty
16625 \global\let\@extratitle\@empty
16626 \global\let\@titlehead\@empty
16627 \global\let\@subject\@empty
16628 \global\let\@publishers\@empty
16629 \global\let\@uppertitleback\@empty
16630 \global\let\@lowertitleback\@empty
16631 \global\let\@dedication\@empty
16632 \global\let\author\relax
16633 \global\let\title\relax
16634 \global\let\extratitle\relax
16635 \global\let\titlehead\relax
16636 \global\let\subject\relax
16637 \global\let\publishers\relax
16638 \global\let\uppertitleback\relax
16639 \global\let\lowertitleback\relax
16640 \global\let\dedication\relax
16641 \global\let\date\relax
16642 \global\let\and\relax
16643 }%
16644 \renewcommand*{\@maketitle}{%
16645 \clearpage
16646 \let\footnote\thanks

```



```

16647 \let\LTRfootnote\LTRthanks
16648 \let\RTLfootnote\RTLthanks
16649 \ifx\@extratitle\@empty \else
16650   \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16651 \fi
16652 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
16653 \ifx\@titlehead\@empty \else
16654   \begin{minipage}[t]{\textwidth}
16655     \@titlehead
16656   \end{minipage}\par
16657 \fi
16658 \null
16659 \vskip 2em%
16660 \begin{center}%
16661   \ifx\@subject\@empty \else
16662     {\subject@font \@subject \par}
16663     \vskip 1.5em
16664   \fi
16665   {\titlefont\huge \@title \par}%
16666   \vskip .5em
16667   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16668   \vskip 1em
16669   {\Large
16670     \lineskip .5em%
16671     \begin{tabular}[t]{c}
16672       \@author
16673     \end{tabular}\par
16674   }%
16675   \vskip 1em%
16676   {\Large \@date \par}%
16677   \vskip \z@ \@plus 1em
16678   {\Large \@publishers \par}
16679   \ifx\@dedication\@empty \else
16680     \vskip 2em
16681     {\Large \@dedication \par}
16682   \fi
16683 \end{center}%
16684 \par
16685 \vskip 2em
16686 }%
16687 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16688 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
16689 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16690 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
16691 \renewcommand*\thesubsubsection{\%
16692   \thesubsection\@SepMark\@arabic\c@subsubsection
16693 }
16694 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16695 \renewcommand*\thesubparagraph{\%
16696   \theparagraph\@SepMark\@arabic\c@subparagraph

```




```

16697 }
16698 \renewenvironment{thebibliography}[1]{%
16699   \if@bib@break@
16700     \bib@beginhook
16701   \else
16702     \bib@heading
16703     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16704       \noindent\bibpreamble\par\nobreak
16705     \fi\fi
16706     \bib@beginhook
16707     \bib@before@hook
16708   \fi
16709 \renewcommand{\BreakBibliography}[1]{%
16710   \@bib@break
16711   \end{thebibliography}%
16712   \begingroup ##1\endgroup
16713   \begin{thebibliography}{#1}
16714 }%
16715 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16716 \bidi@thebibliography@font@hook%
16717 \list{%
16718   \@biblabel{\@arabic\c@enumiv}%
16719 }{%
16720   \settowidth\labelwidth{\@biblabel{#1}}%
16721   \leftmargin\labelwidth
16722   \advance\leftmargin\labelsep
16723   \@openbib@code
16724   \if@bib@break@
16725     \edef\@tempa{%
16726       \noexpand\usecounter{enumiv}%
16727       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16728     }\@tempa
16729     \no@bib@break
16730   \else
16731     \usecounter{enumiv}%
16732   \fi
16733   \let\p@enumiv\@empty
16734   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
16735 }%
16736 \sloppy\clubpenalty4000 \widowpenalty4000
16737 \sfcode`\.=\@m
16738 }{%
16739   \if@bib@break@
16740     \def\@noitemerr{%
16741       \@latex@warning{%
16742         \string\BreakBibliography\space at begin of `thebibliography'
16743         environment\MessageBreak
16744         or following \string\BreakBibliography}%
16745     }%
16746   \else

```



```

16747 \def\@noitemerr{%
16748 \latex@warning{%
16749 Empty `thebibliography' environment or
16750 \string\BreakBibliography\MessageBreak
16751 before end of `thebibliography' environment}%
16752 }%
16753 \fi
16754 \endlist
16755 \if@bib@break@
16756 \else
16757 \bib@after@hook
16758 \let\bib@before@hook\@empty
16759 \let\bib@after@hook\@empty
16760 \fi
16761 \bib@endhook
16762 }
16763 \renewcommand*\left@footnoterule{%
16764 \kern-3\p@
16765 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16766 \hrule\@width.4\columnwidth
16767 \kern 2.6\p@}
16768 \renewcommand*\right@footnoterule{%
16769 \kern-3\p@
16770 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16771 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16772 \kern2.6\p@}
16773 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16774 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16775 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16776 \renewcommand\marginline[1]{%
16777 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16778 }
16779 \renewcommand{\@makecaption}[3]{%
16780 \cap@margin
16781 \ifonelinecaptions
16782 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16783 \let\scr@tmp@footnotetext=\@footnotetext
16784 \let\@footnotetext=\@gobble
16785 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16786 \let\@LTRfootnotetext=\@gobble
16787 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16788 \let\@RTLfootnotetext=\@gobble
16789 \sbox\@tempboxa{%
16790 {\capfont{\strut\ignorespaces
16791 #1{\caplabelfont{#2\captionformat}}}%
16792 #3\unskip\strut}}%
16793 }%
16794 \let\@footnotetext=\scr@tmp@footnotetext
16795 \let\scr@tmp@footnotetext=\undefined
16796 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext

```



```

16797 \let\scr@tmp@LTRfootnotetext=\undefined
16798 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16799 \let\scr@tmp@RTLfootnotetext=\undefined
16800 \setcounter{footnote}{\@tempcntb}%
16801 \setcounter{mpfootnote}{\@tempcnta}%
16802 \else
16803 \sbox\@tempboxa{\hspace*{2\cap@width}}%
16804 \fi
16805 \begingroup%
16806 \setlength{\@tempdima}{\cap@width}%
16807 \ifdim \wd\@tempboxa >\@tempdima
16808 \hb@xt@\hsize{%
16809 \setbox\@tempboxa\vbox{\hsize=\cap@width
16810 \ifdoofullc@p
16811 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16812 #1{\caplabelfont{#2\captionformat}}}}}%
16813 {#3\unskip\strut\par}}}%
16814 \else%
16815 \ifdim\cap@indent<\z@
16816 {\capfont{\strut\ignorespaces
16817 #1{\caplabelfont{#2\captionformat\par}}}%
16818 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
16819 \else%
16820 \if@capbreak
16821 {\capfont{\strut\ignorespaces
16822 #1{\caplabelfont{#2\captionformat\par}}}%
16823 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16824 \else
16825 {\capfont{\@hangfrom{\scr@smashdp{\strut\hspace*{\cap@indent}}%
16826 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16827 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
16828 \fi
16829 \fi
16830 \fi
16831 }%
16832 \setlength{\@tempdima}{\ht\@tempboxa}%
16833 \addtolength{\@tempdima}{\dp\@tempboxa}%
16834 \addtolength{\@tempdima}{-\ht\strutbox}%
16835 \ht\@tempboxa\ht\strutbox
16836 \dp\@tempboxa\@tempdima
16837 \strut\cap@left
16838 \box\@tempboxa
16839 \cap@right\strut
16840 }%
16841 \else
16842 \global \@minipagefalse
16843 \sbox\@tempboxa{%
16844 {\capfont{\scr@smashdp{\strut\ignorespaces
16845 #1{\caplabelfont{#2\captionformat}}}}}%
16846 #3}%

```



```

16847     }%
16848     {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\ca
16849     \fi
16850     \endgroup
16851 }
16852 \renewcommand{\@makecaption}[2]{%
16853   \if@captionabove
16854     \vskip\belowcaptionskip
16855   \else
16856     \vskip\abovecaptionskip
16857   \fi
16858   @@makecaption\@firstofone{#1}{#2}%
16859   \if@captionabove
16860     \vskip\abovecaptionskip
16861   \else
16862     \vskip\belowcaptionskip
16863   \fi
16864 }
16865 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16866   \@ifpackageloaded{caption2}{\@komalongtablefalse
16867     \scr@caption@before@longtable@warning{caption2}%
16868   }{}%
16869   \if@komalongtable
16870     \renewcommand{\LT@makecaption}[3]{%
16871       \noalign{%
16872         \if@captionabove
16873           \vskip\belowcaptionskip
16874         \else
16875           \vskip\abovecaptionskip
16876         \fi
16877       }%
16878       \LT@mcol\LT@cols c{%
16879         \hbox to\z@{\hss\parbox[t]{\linewidth{%
16880           \@makecaption{#1}{#2}{#3}%
16881         \endgraf
16882         \if@captionabove
16883           \vskip\abovecaptionskip
16884         \else
16885           \vskip\belowcaptionskip
16886         \fi
16887       }%
16888       \hss
16889     }%
16890   }%
16891 }%
16892 \renewcommand*{\scr@LT@array}{}%
16893 \let\scr@LT@array=\LT@array
16894 \renewcommand*{\LT@array}{%
16895   \let\scr@caption=\LT@caption
16896   \def\captionabove{\noalign{\global\@captionabovetrue}%

```



```

16897         \scr@caption}%
16898     \def\captionbelow{\noalign{\global\@captionabovefalse}%
16899         \scr@caption}%
16900     \if@tablecaptionabove
16901         \let\LT@caption=\captionabove
16902     \else
16903         \let\LT@caption=\captionbelow
16904     \fi
16905     \scr@LT@array
16906 }%
16907 \ClassInfo{\KOMAClassName}{%
16908     longtable captions redefined%
16909 }%
16910 \fi
16911 }
16912
16913 \CloneTOCEntryStyle{tocline}{part}
16914 \TOCEntryStyleStartInitCode{part}{%
16915     \expandafter\renewcommand%
16916     \csname scr@tso@#1@linefill\endcsname{\hfill}%
16917     \expandafter\renewcommand%
16918     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16919     \expandafter\renewcommand%
16920     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16921         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16922     \expandafter\renewcommand\expandafter*%
16923     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
16924 }
16925
16926 \CloneTOCEntryStyle{tocline}{section}
16927 \TOCEntryStyleStartInitCode{section}{%
16928     \expandafter\renewcommand%
16929     \csname scr@tso@#1@linefill\endcsname{%
16930         \if@sectionentrywithdots
16931             \TOCLineLeaderFill\relax
16932         \else
16933             \hfill
16934         \fi
16935     }%
16936     % F^fcr die Eintr^e4ge die Schrift von Element sectionentry verwenden.
16937     \expandafter\renewcommand%
16938     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
16939     \expandafter\renewcommand%
16940     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{sectionentrypagenumber}{##1}}}%
16941     \expandafter\renewcommand\expandafter*%
16942     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16943 }
16944
16945 \CloneTOCEntryStyle{tocline}{subsection}
16946 \TOCEntryStyleStartInitCode{subsection}{%

```



```

16947 \expandafter\renewcommand%
16948 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
16949 }
16950
16951 \CloneTOCEntryStyle{subsection}{default}
16952
16953 \DeclareSectionCommand[%
16954   style=part,%
16955   level=\z@,%
16956   tocstyle=part,%
16957   toplevel=\m@ne,%
16958   tocindent=\z@,%
16959   tocnumwidth=2em%
16960 ]{part}
16961 \DeclareSectionCommand[%
16962   style=section,%
16963   level=1,%
16964   indent=\z@,%
16965   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
16966   afterskip=2.3ex \@plus .2ex,%
16967   tocstyle=section,%
16968   tocindent=0pt,%
16969   tocnumwidth=1.5em%
16970 ]{section}
16971 \DeclareSectionCommand[%
16972   style=section,%
16973   level=2,%
16974   indent=\z@,%
16975   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
16976   afterskip=1.5ex \@plus .2ex,%
16977   tocstyle=subsection,%
16978   tocindent=1.5em,%
16979   tocnumwidth=2.3em%
16980 ]{subsection}
16981 \DeclareSectionCommand[%
16982   style=section,%
16983   level=3,%
16984   indent=\z@,%
16985   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
16986   afterskip=1.5ex \@plus .2ex,%
16987   tocstyle=subsection,%
16988   tocindent=3.8em,%
16989   tocnumwidth=3.2em%
16990 ]{subsubsection}
16991 \DeclareSectionCommand[%
16992   style=section,%
16993   level=4,%
16994   indent=\z@,%
16995   beforekip=3.25ex \@plus 1ex \@minus .2ex,%
16996   afterskip=-1em,%

```



```

16997   tocstyle=subsection,%
16998   tocindent=7.0em,%
16999   tocnumwidth=4.1em%
17000 }{paragraph}
17001 \DeclareSectionCommand[%
17002   style=section,%
17003   level=5,%
17004   indent=\scr@parindent,%
17005   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
17006   afterskip=-1em,%
17007   tocstyle=subsection,%
17008   tocindent=10em,%
17009   tocnumwidth=5em%
17010 ]{subparagraph}

```

105 File scrbook-xetex-bidi.def

```

17011 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for L
17012 \newcommand{\scr@saved@LTRfootnotetext}{}
17013 \newcommand{\scr@saved@RTLfootnotetext}{}
17014 \let\scr@saved@footnotetext\@footnotetext
17015 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17016 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17017 \renewcommand{\@footnotetext}[1]{%
17018   \scr@saved@footnotetext{#1}%
17019   \csname FN@mfb@prepare\endcsname
17020 }
17021 \renewcommand{\@LTRfootnotetext}[1]{%
17022   \scr@saved@LTRfootnotetext{#1}%
17023   \csname FN@mfb@prepare\endcsname
17024 }
17025 \renewcommand{\@RTLfootnotetext}[1]{%
17026   \scr@saved@RTLfootnotetext{#1}%
17027   \csname FN@mfb@prepare\endcsname
17028 }
17029 \renewcommand\deffootnote[4][1]{%
17030   \long\def\@makefnmark##1{%
17031     \setlength{\@tempdimc}{#3}%
17032     \def\@tempa{#1}\ifx\@tempa\@empty
17033       \setpar{\@par
17034         \@tempdima = \hsize
17035         \addtolength{\@tempdima}{-#2}%
17036         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17037     \else
17038       \addtolength{\@tempdimc}{#2}%
17039       \addtolength{\@tempdimc}{-#1}%
17040       \setpar{\@par
17041         \@tempdima = \hsize
17042         \addtolength{\@tempdima}{-#1}%
17043         \@tempdimb = \hsize

```



```

17044      \addtolength{\@tempdimb}{-#2}%
17045      \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17046      }%
17047      \fi
17048      \par
17049      \parindent\@tempdimc\noindent
17050      \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17051  }%
17052  \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17053 }
17054 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17055 \renewcommand*\left@footnoterule{%
17056   \normalsize\ftn@rule@test@values
17057   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17058   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17059   {\usekomafont{footnoterule}{%
17060     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17061   \kern 2.6\p@}
17062 \renewcommand*\right@footnoterule{%
17063   \normalsize\ftn@rule@test@values
17064   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17065   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17066   {\usekomafont{footnoterule}{%
17067     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17068     \kern 2.6\p@}
17069 \renewcommand*\maketitle[1][1]{%
17070   \if@titlepage
17071     \begin{titlepage}
17072       \setcounter{page}{%
17073         #1%
17074       }%
17075       \let\footnotesize\small
17076       \let\right@footnoterule\relax
17077       \let\left@footnoterule\relax
17078       \let\textwidth\footnoterule\relax
17079       \let\footnote\thanks
17080       \let\LTRfootnote\LTRthanks
17081       \let\RTLfootnote\RTLthanks
17082       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17083       \let\@oldmakefnmark\@makefnmark
17084       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17085       \ifx\@extratitle\@empty \else
17086         \noindent\@extratitle\next@tpage\cleardoubleemptypage
17087         \thispagestyle{empty}%
17088       \fi
17089       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17090       \ifx\@titlehead\@empty \else
17091         \begin{minipage}[t]{\textwidth}%
17092           \@titlehead
17093           \end{minipage}\par

```




```

17094 \fi
17095 \null\vfill
17096 \begin{center}
17097 \ifx\@subject\@empty \else
17098   {\subject@font \@subject \par}%
17099   \vskip 3em
17100 \fi
17101 {\titlefont\huge \@title\par}%
17102 \vskip 1em
17103 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17104 \vskip 2em
17105 {\Large \lineskip 0.75em
17106   \begin{tabular}[t]{c}
17107     \@author
17108   \end{tabular}\par
17109   }%
17110 \vskip 1.5em
17111 {\Large \@date \par}%
17112 \vskip \z@ \@plus3fill
17113 {\Large \@publishers \par}%
17114 \vskip 3em
17115 \end{center}\par
17116 \@thanks
17117 \vfill\null
17118 \if@twoside\next@tpage
17119   \begin{minipage}[t]{\textwidth}
17120     \@uppertitleback
17121   \end{minipage}\par
17122 \vfill
17123 \begin{minipage}[b]{\textwidth}
17124   \@lowertitleback
17125 \end{minipage}
17126 \fi
17127 \ifx\@dedication\@empty \else
17128   \next@tpage\null\vfill
17129   {\centering \Large \@dedication \par}%
17130   \vskip \z@ \@plus3fill
17131   \if@twoside \next@tpage\cleardoubleemptypage \fi
17132 \fi
17133 \end{titlepage}
17134 \else
17135   \par
17136   \@tempcnta=%
17137   #1%
17138   \relax\ifnum\@tempcnta=1\else
17139     \ClassWarning{KOMAClassName}{%
17140       Optional argument of \string\maketitle\space ignored
17141       at\MessageBreak
17142       notitlepage-mode%
17143     }%

```



```

17144 \fi
17145 \beginingroup
17146 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17147 \let\@oldmakefnmark\@makefnmark
17148 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17149 \if@twocolumn
17150 \ifnum \col@number=\@one
17151 \maketitle
17152 \else
17153 \twocolumn[\maketitle]%
17154 \fi
17155 \else
17156 \newpage
17157 \global\@topnum\z@
17158 \maketitle
17159 \fi
17160 \thispagestyle{\titlepagestyle}\@thanks
17161 \endgroup
17162 \fi
17163 \setcounter{footnote}{0}%
17164 \let\@thanks\relax
17165 \let\LTRthanks\relax
17166 \let\RTLthanks\relax
17167 \let\maketitle\relax
17168 \let\@maketitle\relax
17169 \global\let\@thanks\@empty
17170 \global\let\@author\@empty
17171 \global\let\@date\@empty
17172 \global\let\@title\@empty
17173 \global\let\@subtitle\@empty
17174 \global\let\@extratitle\@empty
17175 \global\let\@titlehead\@empty
17176 \global\let\@subject\@empty
17177 \global\let\@publishers\@empty
17178 \global\let\@uppertitleback\@empty
17179 \global\let\@lowertitleback\@empty
17180 \global\let\@dedication\@empty
17181 \global\let\author\relax
17182 \global\let\title\relax
17183 \global\let\extratitle\relax
17184 \global\let\titlehead\relax
17185 \global\let\subject\relax
17186 \global\let\publishers\relax
17187 \global\let\uppertitleback\relax
17188 \global\let\lowertitleback\relax
17189 \global\let\dedication\relax
17190 \global\let\date\relax
17191 \global\let\and\relax
17192 }%
17193 \renewcommand*{\@maketitle}{%

```



```

17194 \clearpage
17195 \let\footnote\thanks
17196 \let\LTRfootnote\LTRthanks
17197 \let\RTLfootnote\RTLthanks
17198 \ifx\@extratitle\@empty \else
17199   \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17200 \fi
17201 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update relative
17202 \ifx\@titlehead\@empty \else
17203   \begin{minipage}[t]{\textwidth}
17204     \@titlehead
17205   \end{minipage}\par
17206 \fi
17207 \null
17208 \vskip 2em%
17209 \begin{center}%
17210   \ifx\@subject\@empty \else
17211     {\subject@font \@subject \par}
17212     \vskip 1.5em
17213   \fi
17214   {\titlefont\huge \@title \par}%
17215   \vskip .5em
17216   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17217   \vskip 1em
17218   {\Large
17219     \lineskip .5em%
17220     \begin{tabular}[t]{c}
17221       \@author
17222     \end{tabular}\par
17223   }%
17224   \vskip 1em%
17225   {\Large \@date \par}%
17226   \vskip \z@ \@plus 1em
17227   {\Large \@publishers \par}
17228   \ifx\@dedication\@empty \else
17229     \vskip 2em
17230     {\Large \@dedication \par}
17231   \fi
17232 \end{center}%
17233 \par
17234 \vskip 2em
17235 }%
17236 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17237 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17238 \renewcommand*\thesection{%
17239   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17240   \if@mainmatter\thechapter\@SepMark\fi
17241   \else
17242     \thechapter\@SepMark%
17243   \fi

```



```

17244 \@arabic\c@section
17245 }
17246 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17247 \renewcommand*{\thesubsubsection}{%
17248   \thesubsection\@SepMark\@arabic\c@subsubsection
17249 }
17250 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17251 \renewcommand*{\thesubparagraph}{%
17252   \theparagraph\@SepMark\@arabic\c@subparagraph
17253 }
17254 \renewcommand*\thefigure{%
17255   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17256     \if@mainmatter\thechapter\@SepMark\fi
17257   \else
17258     \thechapter\@SepMark%
17259   \fi
17260   \@arabic\c@figure
17261 }
17262 \renewcommand*\thetable{%
17263   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17264     \if@mainmatter\thechapter\@SepMark\fi
17265   \else
17266     \thechapter\@SepMark%
17267   \fi
17268   \@arabic\c@table
17269 }
17270 \renewcommand*\theequation{%
17271   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17272     \if@mainmatter\thechapter\@SepMark\fi
17273   \else
17274     \thechapter\@SepMark%
17275   \fi
17276   \@arabic\c@equation
17277 }
17278 \renewenvironment{thebibliography}[1]{%
17279   \if@bib@break@
17280     \bib@beginhook
17281   \else
17282     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17283       \setchapterpreamble{\bibpreamble}%
17284     \fi\fi
17285     \bib@heading
17286     \bib@beginhook
17287     \bib@before@hook
17288   \fi
17289   \renewcommand{\BreakBibliography}[1]{%
17290     \@bib@break
17291     \end{thebibliography}%
17292     \begingroup ##1\endgroup
17293     \begin{thebibliography}{#1}

```



```

17294 }%
17295 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17296 \bidi@thebibliography@font@hook%
17297 \list{%
17298   \@biblabel{\@arabic\c@enumiv}%
17299 }{%
17300   \settowidth\labelwidth{\@biblabel{#1}}%
17301   \leftmargin\labelwidth
17302   \advance\leftmargin\labelsep
17303   \@openbib@code
17304   \if@bib@break@
17305     \edef\@tempa{%
17306       \noexpand\usecounter{enumiv}%
17307       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17308     }\@tempa
17309     \no@bib@break
17310   \else
17311     \usecounter{enumiv}%
17312   \fi
17313   \let\p@enumiv\@empty
17314   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17315 }%
17316 \sloppy\clubpenalty4000 \widowpenalty4000
17317 \sfcode`\.=\@m
17318 }{%
17319   \if@bib@break@
17320     \def\@noitemerr{%
17321       \@latex@warning{%
17322         \string\BreakBibliography\space at begin of `thebibliography'
17323         environment\MessageBreak
17324         or following \string\BreakBibliography}%
17325     }%
17326   \else
17327     \def\@noitemerr{%
17328       \@latex@warning{%
17329         Empty `thebibliography' environment or
17330         \string\BreakBibliography\MessageBreak
17331         before end of `thebibliography' environment}%
17332     }%
17333   \fi
17334 \endlist
17335 \if@bib@break@
17336 \else
17337   \bib@after@hook
17338   \let\bib@before@hook\@empty
17339   \let\bib@after@hook\@empty
17340 \fi
17341 \bib@endhook
17342 }
17343 \renewcommand*\left@footnoterule{%

```



```

17344 \kern-3\p@
17345 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17346 \hrule\@width.4\columnwidth
17347 \kern 2.6\p@}
17348 \renewcommand*\right@footnoterule{%
17349 \kern-3\p@
17350 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17351 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17352 \kern2.6\p@}
17353 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
17354 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
17355 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
17356 \renewcommand\marginline[1]{%
17357 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17358 }
17359 \renewcommand{\@@makecaption}[3]{%
17360 \cap@margin
17361 \ifonelinecaptions
17362 \tempcnta=\value{mpfootnote}\tempcntb=\value{footnote}%
17363 \let\scr@tmp@footnotetext=\@footnotetext
17364 \let\@footnotetext=\@gobble
17365 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17366 \let\@LTRfootnotetext=\@gobble
17367 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17368 \let\@RTLfootnotetext=\@gobble
17369 \sbox\@tempboxa{%
17370 {\capfont{\strut\ignorespaces
17371 #1{\caplabelfont{#2\captionformat}}}%
17372 #3\unskip\strut}}%
17373 }%
17374 \let\@footnotetext=\scr@tmp@footnotetext
17375 \let\scr@tmp@footnotetext=\undefined
17376 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17377 \let\scr@tmp@LTRfootnotetext=\undefined
17378 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17379 \let\scr@tmp@RTLfootnotetext=\undefined
17380 \setcounter{footnote}{\tempcntb}%
17381 \setcounter{mpfootnote}{\tempcnta}%
17382 \else
17383 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17384 \fi
17385 \begingroup%
17386 \setlength{\@tempdima}{\cap@width}%
17387 \ifdim \wd\@tempboxa >\@tempdima
17388 \hb@xt@\hsize{%
17389 \setbox\@tempboxa\vbox{\hsize=\cap@width
17390 \ifdofullc@p
17391 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17392 #1{\caplabelfont{#2\captionformat}}}}}%
17393 #3\unskip\strut\par}}}%

```



```

17394         \else%
17395         \ifdim\cap@indent<\z@
17396         {\capfont{\strut\ignorespaces
17397         #1{\caplabelfont{#2\captionformat\par}}}%
17398         \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17399         \else%
17400         \if@capbreak
17401         {\capfont{\strut\ignorespaces
17402         #1{\caplabelfont{#2\captionformat\par}}}%
17403         \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17404         \else
17405         {\capfont{\hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17406         {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17407         {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17408         \fi
17409     \fi
17410 \fi
17411 }%
17412 \setlength{\@tempdima}{\ht\@tempboxa}%
17413 \addtolength{\@tempdima}{\dp\@tempboxa}%
17414 \addtolength{\@tempdima}{-\ht\strutbox}%
17415 \ht\@tempboxa\ht\strutbox
17416 \dp\@tempboxa\@tempdima
17417 \strut\cap@left
17418 \box\@tempboxa
17419 \cap@right\strut
17420 }%
17421 \else
17422 \global \@minipagefalse
17423 \sbox\@tempboxa{%
17424     {\capfont{\scr@smashdp{\strut\ignorespaces
17425     #1{\caplabelfont{#2\captionformat}}}%
17426     #3}}}%
17427 }%
17428 {\capfont{\hb@xt\@hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
17429 \fi
17430 \endgroup
17431 }
17432 \renewcommand{\@makecaption}[2]{%
17433     \if@captionabove
17434     \vskip\belowcaptionskip
17435     \else
17436     \vskip\abovecaptionskip
17437     \fi
17438     @@makecaption\@firstofone{#1}{#2}%
17439     \if@captionabove
17440     \vskip\abovecaptionskip
17441     \else
17442     \vskip\belowcaptionskip
17443     \fi

```



```

17444 }
17445 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17446   \@ifpackageloaded{caption2}{\@komalongtablefalse
17447     \scr@caption@before@longtable@warning{caption2}%
17448   }{}%
17449   \if@komalongtable
17450     \renewcommand{\LT@makecaption}[3]{%
17451       \noalign{%
17452         \if@captionabove
17453           \vskip\belowcaptionskip
17454         \else
17455           \vskip\abovecaptionskip
17456         \fi
17457       }%
17458       \LT@mcol\LT@cols c{%
17459         \hbox to\z@{\hss\parbox[t]{\linewidth{%
17460           \@makecaption{#1}{#2}{#3}%
17461         \endgraf
17462         \if@captionabove
17463           \vskip\abovecaptionskip
17464         \else
17465           \vskip\belowcaptionskip
17466         \fi
17467       }%
17468       \hss
17469     }%
17470   }%
17471 }%
17472 \renewcommand*{\scr@LT@array}{}%
17473 \let\scr@LT@array=\LT@array
17474 \renewcommand*{\LT@array}{%
17475   \let\scr@caption=\LT@caption
17476   \def\captionabove{\noalign{\global\@captionabovetrue}%
17477     \scr@caption}%
17478   \def\captionbelow{\noalign{\global\@captionabovetrue}%
17479     \scr@caption}%
17480   \if@tablecaptionabove
17481     \let\LT@caption=\captionabove
17482   \else
17483     \let\LT@caption=\captionbelow
17484   \fi
17485   \scr@LT@array
17486 }%
17487 \ClassInfo{\KOMAClassName}{%
17488   longtable captions redefined%
17489 }%
17490 \fi
17491 }
17492
17493 \CloneTOCEntryStyle{tocline}{part}

```




```

17494 \TOCEntryStyleStartInitCode{part}{%
17495   \expandafter\renewcommand%
17496   \csname scr@tso@#1@linefill\endcsname{\hfill}%
17497   \expandafter\renewcommand%
17498   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17499   \expandafter\renewcommand%
17500   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17501     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17502   \expandafter\renewcommand\expandafter*%
17503   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17504 }
17505
17506 \CloneTOCEntryStyle{tocline}{chapter}
17507 \TOCEntryStyleStartInitCode{chapter}{%
17508   \expandafter\renewcommand%
17509   \csname scr@tso@#1@linefill\endcsname{%
17510     \if@chapterentrywithdots
17511       \TOCLineLeaderFill\relax
17512     \else
17513       \hfill
17514     \fi
17515   }%
17516   \expandafter\renewcommand%
17517   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17518   \expandafter\renewcommand%
17519   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17520     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17521   \expandafter\renewcommand\expandafter*%
17522   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17523 }
17524
17525 \CloneTOCEntryStyle{tocline}{section}
17526 \TOCEntryStyleStartInitCode{section}{%
17527   \expandafter\renewcommand%
17528   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17529 }
17530
17531 \CloneTOCEntryStyle{section}{default}
17532
17533 \DeclareSectionCommand[%
17534   style=part,%
17535   level=\m@ne,%
17536   pagestyle=plain,%
17537   tocstyle=part,%
17538   toplevel=\m@ne,%
17539   tocindent=\z@,%
17540   tocnumwidth=2em%
17541 ]{part}
17542 \DeclareSectionCommand[%
17543   style=chapter,%

```



```

17544 level=\z@,%
17545 pagestyle=plain,%
17546 tocstyle=chapter,%
17547 tocindent=\z@,%
17548 tocnumwidth=1.5em%
17549]{chapter}
17550\DeclareSectionCommand[%
17551 style=section,%
17552 level=1,%
17553 indent=\z@,%
17554 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17555 afterskip=2.3ex \@plus .2ex,%
17556 tocstyle=section,%
17557 tocindent=1.5em,%
17558 tocnumwidth=2.3em%
17559]{section}
17560\DeclareSectionCommand[%
17561 style=section,%
17562 level=2,%
17563 indent=\z@,%
17564 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17565 afterskip=1.5ex \@plus .2ex,%
17566 tocstyle=section,%
17567 tocindent=3.8em,%
17568 tocnumwidth=3.2em%
17569]{subsection}
17570\DeclareSectionCommand[%
17571 style=section,%
17572 level=3,%
17573 indent=\z@,%
17574 beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17575 afterskip=1.5ex \@plus .2ex,%
17576 tocstyle=section,%
17577 tocindent=7.0em,%
17578 tocnumwidth=4.1em%
17579]{subsubsection}
17580\DeclareSectionCommand[%
17581 style=section,%
17582 level=4,%
17583 indent=\z@,%
17584 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17585 afterskip=-1em,%
17586 tocstyle=section,%
17587 tocindent=10em,%
17588 tocnumwidth=5em%
17589]{paragraph}
17590\DeclareSectionCommand[%
17591 style=section,%
17592 level=5,%
17593 indent=\scr@parindent,%

```



```

17594 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
17595 afterskip=-1em,%
17596 tocstyle=section,%
17597 tocindent=12em,%
17598 tocnumwidth=6em%
17599 ]{subparagraph}
17600
17601

```

106 File scrlettr-xetex-bidi.def

```

17602 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17603 \renewcommand\deffootnote[4] [] {%
17604   \long\def\@makefnmark##1{%
17605     \edef\@tempa{#1}\ifx\@tempa\@empty
17606       \setpar{\@par
17607         \@tempdima = \hsize
17608         \addtolength{\@tempdima}{-#2}
17609         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17610     \else
17611       \setpar{\@par
17612         \@tempdima = \hsize
17613         \addtolength{\@tempdima}{-#1}
17614         \@tempdimb = \hsize
17615         \addtolength{\@tempdimb}{-#2}
17616         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17617       \fi
17618     \par
17619     \parindent #3\noindent
17620     \hbox to \z@{\hss\@makefnmark}##1}
17621 \def\@makefnmark{\hbox{#4}}
17622 }
17623 \deffootnote[1em]{1.5em}{1em}
17624 {\textsuperscript{\thefootnotemark}}
17625 \def\left@footnoterule{\kern-1\p@
17626   \hrule width 0.4\columnwidth
17627   \kern .6\p@}
17628 \def\right@footnoterule{%
17629   \kern-1\p@
17630   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17631   \kern .6\p@}
17632 \def\@datefield{\@reffalse
17633   \ifx\varyourref\@empty \else \@reftrue \fi
17634   \ifx\varyourmail\@empty \else \@reftrue \fi
17635   \ifx\varmyref\@empty \else \@reftrue \fi
17636   \ifx\varcustomer\@empty \else \@reftrue \fi
17637   \ifx\varinvoice\@empty \else \@reftrue \fi
17638   \ifx\varrefitemi\@empty \else \@reftrue \fi
17639   \ifx\varrefitemii\@empty \else \@reftrue \fi
17640   \ifx\varrefitemiii\@empty \else \@reftrue \fi

```



```

17641 \vskip -\parskip
17642 \vskip \refvskip
17643 \if@ref
17644 \ifx\varyourref\@empty \else
17645 \settowidth{\sc@temp}{\varyourref}
17646 \setbox0\hbox{\scriptsize \sf \yourrefname}
17647 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17648 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
17649 \fi
17650 \ifx\varyourmail\@empty \else
17651 \settowidth{\sc@temp}{\varyourmail}
17652 \setbox0\hbox{\scriptsize \sf \yourmailname}
17653 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17654 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
17655 \fi
17656 \ifx\varmyref\@empty \else
17657 \settowidth{\sc@temp}{\varmyref}
17658 \setbox0\hbox{\scriptsize \sf \myrefname}
17659 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17660 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
17661 \fi
17662 \ifx\varcustomer\@empty \else
17663 \settowidth{\sc@temp}{\varcustomer}
17664 \setbox0\hbox{\scriptsize \sf \customername}
17665 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17666 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
17667 \fi
17668 \ifx\varinvoice\@empty \else
17669 \settowidth{\sc@temp}{\varinvoice}
17670 \setbox0\hbox{\scriptsize \sf \invoicename}
17671 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17672 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
17673 \fi
17674 \ifx\varrefitemi\@empty \else
17675 \settowidth{\sc@temp}{\varrefitemi}
17676 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
17677 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17678 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
17679 \fi
17680 \ifx\varrefitemii\@empty \else
17681 \settowidth{\sc@temp}{\varrefitemii}
17682 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
17683 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17684 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
17685 \fi
17686 \ifx\varrefitemiii\@empty \else
17687 \settowidth{\sc@temp}{\varrefitemiii}
17688 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
17689 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17690 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill

```



```

17691 \fi
17692 \ifx\@date\@empty \else
17693 \settowidth{\sc@temp}{\@date}
17694 \setbox0\hbox{\scriptsize \sf \datename}
17695 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17696 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
17697 \fi
17698 \par
17699 \vspace{2.5\baselineskip}
17700 \else
17701 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
17702 \vspace{1.5\baselineskip}
17703 \fi}
17704 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
17705 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
17706 -\sigindent \hspace{\sigindent}%
17707 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@sk
17708 \fromsig\strut}\par
17709 \vspace{1.5\baselineskip}}

```

107 File scrreprt-xetex-bidi.def

```

17710 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
17711 \newcommand{\scr@saved@LTRfootnotetext}{}
17712 \newcommand{\scr@saved@RTLfootnotetext}{}
17713 \let\scr@saved@footnotetext\@footnotetext
17714 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17715 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17716 \renewcommand{\@footnotetext}[1]{%
17717 \scr@saved@footnotetext{#1}%
17718 \csname FN@mf@prepare\endcsname
17719 }
17720 \renewcommand{\@LTRfootnotetext}[1]{%
17721 \scr@saved@LTRfootnotetext{#1}%
17722 \csname FN@mf@prepare\endcsname
17723 }
17724 \renewcommand{\@RTLfootnotetext}[1]{%
17725 \scr@saved@RTLfootnotetext{#1}%
17726 \csname FN@mf@prepare\endcsname
17727 }
17728 \renewcommand\deffootnote[4][1]{%
17729 \long\def\@makefntext##1{%
17730 \setlength{\@tempdimc}{#3}%
17731 \def\@tempa{#1}\ifx\@tempa\@empty
17732 \setpar{\@par
17733 \@tempdima = \hsize
17734 \addtolength{\@tempdima}{-#2}%
17735 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17736 \else
17737 \addtolength{\@tempdimc}{#2}%

```



```

17738 \addtolength{\@tempdimc}{-#1}%
17739 \@setpar{\@par
17740 \@tempdima = \hsize
17741 \addtolength{\@tempdima}{-#1}%
17742 \@tempdimb = \hsize
17743 \addtolength{\@tempdimb}{-#2}%
17744 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17745 }%
17746 \fi
17747 \par
17748 \parindent\@tempdimc\noindent
17749 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17750 }%
17751 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17752 }
17753 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17754 \renewcommand*\left@footnoterule{%
17755 \normalsize\ftn@rule@test@values
17756 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17757 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17758 {\usekomafont{footnoterule}{%
17759 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17760 \kern 2.6\p@}
17761 \renewcommand*\right@footnoterule{%
17762 \normalsize\ftn@rule@test@values
17763 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17764 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17765 {\usekomafont{footnoterule}{%
17766 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17767 \kern 2.6\p@}
17768 \renewcommand*\maketitle[1][1]{%
17769 \if@titlepage
17770 \begin{titlepage}
17771 \setcounter{page}{%
17772 #1%
17773 }%
17774 \let\footnotesize\small
17775 \let\right@footnoterule\relax
17776 \let\left@footnoterule\relax
17777 \let\textwidth\footnoterule\relax
17778 \let\footnote\thanks
17779 \let\LTRfootnote\LTRthanks
17780 \let\RTLfootnote\RTLthanks
17781 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17782 \let\@oldmakefnmark\@makefnmark
17783 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17784 \ifx\@extratitle\@empty \else
17785 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17786 \thispagestyle{empty}%
17787 \fi

```



```

17788 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
17789 \ifx\@titlehead\@empty \else
17790 \begin{minipage}[t]{\textwidth}%
17791 \@titlehead
17792 \end{minipage}\par
17793 \fi
17794 \null\vfill
17795 \begin{center}
17796 \ifx\@subject\@empty \else
17797 {\subject@font \@subject \par}%
17798 \vskip 3em
17799 \fi
17800 {\titlefont\huge \@title\par}%
17801 \vskip 1em
17802 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17803 \vskip 2em
17804 {\Large \lineskip 0.75em
17805 \begin{tabular}[t]{c}
17806 \@author
17807 \end{tabular}\par
17808 }%
17809 \vskip 1.5em
17810 {\Large \@date \par}%
17811 \vskip \z@ \@plus3fill
17812 {\Large \@publishers \par}%
17813 \vskip 3em
17814 \end{center}\par
17815 \@thanks
17816 \vfill\null
17817 \if@twoside\next@tpage
17818 \begin{minipage}[t]{\textwidth}
17819 \@uppertitleback
17820 \end{minipage}\par
17821 \vfill
17822 \begin{minipage}[b]{\textwidth}
17823 \@lowertitleback
17824 \end{minipage}
17825 \fi
17826 \ifx\@dedication\@empty \else
17827 \next@tpage\null\vfill
17828 {\centering \Large \@dedication \par}%
17829 \vskip \z@ \@plus3fill
17830 \if@twoside \next@tpage\cleardoubleemptypage \fi
17831 \fi
17832 \end{titlepage}
17833 \else
17834 \par
17835 \@tempcnta=%
17836 #1%
17837 \relax\ifnum\@tempcnta=1\else

```



```

17838 \ClassWarning{\KOMAClassName}{%
17839   Optional argument of \string\maketitle\space ignored
17840   at\MessageBreak
17841   notitlepage-mode%
17842 }%
17843 \fi
17844 \begingroup
17845 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17846 \let\@oldmakefnmark\@makefnmark
17847 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
17848 \if@twocolumn
17849   \ifnum \col@number=\@ne
17850     \@maketitle
17851   \else
17852     \twocolumn[\@maketitle]%
17853   \fi
17854 \else
17855   \newpage
17856   \global\@topnum\z@
17857   \@maketitle
17858 \fi
17859 \thispagestyle{\titlepagestyle}\@thanks
17860 \endgroup
17861 \fi
17862 \setcounter{footnote}{0}%
17863 \let\thanks\relax
17864 \let\LTRthanks\relax
17865 \let\RTLthanks\relax
17866 \let\maketitle\relax
17867 \let\@maketitle\relax
17868 \global\let\@thanks\@empty
17869 \global\let\@author\@empty
17870 \global\let\@date\@empty
17871 \global\let\@title\@empty
17872 \global\let\@subtitle\@empty
17873 \global\let\@extratitle\@empty
17874 \global\let\@titlehead\@empty
17875 \global\let\@subject\@empty
17876 \global\let\@publishers\@empty
17877 \global\let\@uppertitleback\@empty
17878 \global\let\@lowertitleback\@empty
17879 \global\let\@dedication\@empty
17880 \global\let\author\relax
17881 \global\let\title\relax
17882 \global\let\extratitle\relax
17883 \global\let\titlehead\relax
17884 \global\let\subject\relax
17885 \global\let\publishers\relax
17886 \global\let\uppertitleback\relax
17887 \global\let\lowertitleback\relax

```




```

17888 \global\let\dedication\relax
17889 \global\let\date\relax
17890 \global\let\and\relax
17891 }%
17892 \renewcommand*{\@maketitle}{%
17893 \clearpage
17894 \let\footnote\thanks
17895 \let\LTRfootnote\LTRthanks
17896 \let\RTLfootnote\RTLthanks
17897 \ifx\@extratitle\@empty \else
17898 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17899 \fi
17900 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17901 \ifx\@titlehead\@empty \else
17902 \begin{minipage}[t]{\textwidth}
17903 \@titlehead
17904 \end{minipage}\par
17905 \fi
17906 \null
17907 \vskip 2em%
17908 \begin{center}%
17909 \ifx\@subject\@empty \else
17910 {\subject@font \@subject \par}
17911 \vskip 1.5em
17912 \fi
17913 {\titlefont\huge \@title \par}%
17914 \vskip .5em
17915 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17916 \vskip 1em
17917 {\Large
17918 \lineskip .5em%
17919 \begin{tabular}[t]{c}
17920 \@author
17921 \end{tabular}\par
17922 }%
17923 \vskip 1em%
17924 {\Large \@date \par}%
17925 \vskip \z@ \@plus 1em
17926 {\Large \@publishers \par}
17927 \ifx\@dedication\@empty \else
17928 \vskip 2em
17929 {\Large \@dedication \par}
17930 \fi
17931 \end{center}%
17932 \par
17933 \vskip 2em
17934 }%
17935 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17936 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17937 \renewcommand*\thesection{%

```



```

17938 \thechapter\@SepMark%
17939 \@arabic\c@section
17940 }
17941 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17942 \renewcommand*{\thesubsubsection}{%
17943 \thesubsection\@SepMark\@arabic\c@subsubsection
17944 }
17945 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17946 \renewcommand*{\thesubparagraph}{%
17947 \theparagraph\@SepMark\@arabic\c@subparagraph
17948 }
17949 \renewcommand*{\thefigure}{%
17950 \thechapter\@SepMark%
17951 \@arabic\c@figure
17952 }
17953 \renewcommand*{\thetable}{%
17954 \thechapter\@SepMark%
17955 \@arabic\c@table
17956 }
17957 \renewcommand*{\theequation}{%
17958 \thechapter\@SepMark%
17959 \@arabic\c@equation
17960 }
17961 \renewenvironment{thebibliography}[1]{%
17962 \if@bib@break@
17963 \bib@beginhook
17964 \else
17965 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17966 \setchapterpreamble{\bibpreamble}%
17967 \fi\fi
17968 \bib@heading
17969 \bib@beginhook
17970 \bib@before@hook
17971 \fi
17972 \renewcommand{\BreakBibliography}[1]{%
17973 \@bib@break
17974 \end{thebibliography}%
17975 \begingroup ##1\endgroup
17976 \begin{thebibliography}{#1}
17977 }%
17978 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17979 \bidi@thebibliography@font@hook%
17980 \list{%
17981 \@biblabel{\@arabic\c@enumiv}%
17982 }{%
17983 \settowidth\labelwidth{\@biblabel{#1}}%
17984 \leftmargin\labelwidth
17985 \advance\leftmargin\labelsep
17986 \@openbib@code
17987 \if@bib@break@

```



```

17988 \edef\@tempa{%
17989 \noexpand\usecounter{enumiv}%
17990 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17991 }\@tempa
17992 \no@bib@break
17993 \else
17994 \usecounter{enumiv}%
17995 \fi
17996 \let\p@enumiv\@empty
17997 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17998 }%
17999 \sloppy\clubpenalty4000 \widowpenalty4000
18000 \sfcode`\.=\@m
18001 }{%
18002 \if@bib@break@
18003 \def\@noitemerr{%
18004 \@latex@warning{%
18005 \string\BreakBibliography\space at begin of `thebibliography'
18006 environment\MessageBreak
18007 or following \string\BreakBibliography}%
18008 }%
18009 \else
18010 \def\@noitemerr{%
18011 \@latex@warning{%
18012 Empty `thebibliography' environment or
18013 \string\BreakBibliography\MessageBreak
18014 before end of `thebibliography' environment}%
18015 }%
18016 \fi
18017 \endlist
18018 \if@bib@break@
18019 \else
18020 \bib@after@hook
18021 \let\bib@before@hook\@empty
18022 \let\bib@after@hook\@empty
18023 \fi
18024 \bib@endhook
18025 }
18026 \renewcommand*\left@footnoterule{%
18027 \kern-3\p@
18028 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18029 \hrule\@width.4\columnwidth
18030 \kern 2.6\p@}
18031 \renewcommand*\right@footnoterule{%
18032 \kern-3\p@
18033 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18034 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18035 \kern2.6\p@}
18036 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
18037 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}

```



```

18038 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18039 \renewcommand\marginline[1]{%
18040   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18041 }
18042 \renewcommand{\@@makecaption}[3]{%
18043   \cap@margin
18044   \ifonelinecaptions
18045     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18046     \let\scr@tmp@footnotetext=\@footnotetext
18047     \let\@footnotetext=\@gobble
18048     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18049     \let\@LTRfootnotetext=\@gobble
18050     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18051     \let\@RTLfootnotetext=\@gobble
18052     \sbox\@tempboxa{%
18053       {\capfont{\strut\ignorespaces
18054         #1{\caplabelfont{#2\captionformat}}}%
18055         #3\unskip\strut}}%
18056     }%
18057     \let\@footnotetext=\scr@tmp@footnotetext
18058     \let\scr@tmp@footnotetext=\undefined
18059     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18060     \let\scr@tmp@LTRfootnotetext=\undefined
18061     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18062     \let\scr@tmp@RTLfootnotetext=\undefined
18063     \setcounter{footnote}{\@tempcntb}%
18064     \setcounter{mpfootnote}{\@tempcnta}%
18065   \else
18066     \sbox\@tempboxa{\hspace*{2\cap@width}}%
18067   \fi
18068   \begingroup%
18069     \setlength{\@tempdima}{\cap@width}%
18070     \ifdim \wd\@tempboxa >\@tempdima
18071       \hb@xt@\hsize{%
18072         \setbox\@tempboxa\vbox{\hsize=\cap@width
18073           \ifdofullcap
18074             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18075               #1{\caplabelfont{#2\captionformat}}}}}%
18076               #3\unskip\strut\par}}}%
18077         \else%
18078           \ifdim\cap@indent<\z@
18079             {\capfont{\strut\ignorespaces
18080               #1{\caplabelfont{#2\captionformat\par}}}%
18081               \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
18082           \else%
18083             \if@capbreak
18084               {\capfont{\strut\ignorespaces
18085                 #1{\caplabelfont{#2\captionformat\par}}}%
18086                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
18087             \else

```



```

18088         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
18089         {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18090         {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
18091     \fi
18092 \fi
18093 \fi
18094 }%
18095 \setlength{\@tempdima}{\ht\@tempboxa}%
18096 \addtolength{\@tempdima}{\dp\@tempboxa}%
18097 \addtolength{\@tempdima}{-\ht\strutbox}%
18098 \ht\@tempboxa\ht\strutbox
18099 \dp\@tempboxa\@tempdima
18100 \strut\cap@left
18101 \box\@tempboxa
18102 \cap@right\strut
18103 }%
18104 \else
18105 \global \@minipagefalse
18106 \sbox\@tempboxa{%
18107     {\capfont{\scr@smashdp{\strut\ignorespaces
18108     #1{\caplabelfont{#2\captionformat}}}}}%
18109     #3}}}%
18110 }%
18111 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
18112 \fi
18113 \endgroup
18114 }
18115 \renewcommand{\@makecaption}[2]{%
18116 \if@captionabove
18117 \vskip\belowcaptionskip
18118 \else
18119 \vskip\abovecaptionskip
18120 \fi
18121 \@@makecaption\@firstofone{#1}{#2}%
18122 \if@captionabove
18123 \vskip\abovecaptionskip
18124 \else
18125 \vskip\belowcaptionskip
18126 \fi
18127 }
18128 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18129 \@ifpackageloaded{caption2}{\@komalongtablefalse
18130 \scr@caption@before@longtable@warning{caption2}}%
18131 }{}%
18132 \if@komalongtable
18133 \renewcommand{\LT@makecaption}[3]{%
18134 \noalign{%
18135 \if@captionabove
18136 \vskip\belowcaptionskip
18137 \else

```



```

18138         \vskip\abovecaptionskip
18139     \fi
18140 }%
18141 \LT@mcol\LT@cols c{%
18142     \hbox to\z@{\hss\parbox[t]{\linewidth{%
18143         \@makecaption{#1}{#2}{#3}%
18144         \endgraf
18145         \if@captionabove
18146             \vskip\abovecaptionskip
18147         \else
18148             \vskip\belowcaptionskip
18149         \fi
18150     }}%
18151     \hss
18152 }%
18153 }%
18154 }%
18155 \renewcommand*{\scr@LT@array}{}%
18156 \let\scr@LT@array=\LT@array
18157 \renewcommand*{\LT@array}{%
18158     \let\scr@caption=\LT@caption
18159     \def\captionabove{\noalign{\global\@captionabovetrue}%
18160         \scr@caption}%
18161     \def\captionbelow{\noalign{\global\@captionabovetrue}%
18162         \scr@caption}%
18163     \if@tablecaptionabove
18164         \let\LT@caption=\captionabove
18165     \else
18166         \let\LT@caption=\captionbelow
18167     \fi
18168     \scr@LT@array
18169 }%
18170 \ClassInfo{\KOMAClassName}{%
18171     longtable captions redefined%
18172 }%
18173 \fi
18174 }
18175
18176 \CloneTOCEntryStyle{tocline}{part}
18177 \TOCEntryStyleStartInitCode{part}{%
18178     \expandafter\renewcommand%
18179     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18180     \expandafter\renewcommand%
18181     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18182     \expandafter\renewcommand%
18183     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18184         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18185     \expandafter\renewcommand\expandafter*%
18186     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18187 }

```



```

18188
18189 \CloneTOCEntryStyle{tocline}{chapter}
18190 \TOCEntryStyleStartInitCode{chapter}{%
18191   \expandafter\renewcommand%
18192   \csname scr@tso@#1@linefill\endcsname{%
18193     \if@chapterentrywithdots
18194       \TOCLineLeaderFill\relax
18195     \else
18196       \hfill
18197     \fi
18198   }%
18199   \expandafter\renewcommand%
18200   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}}%
18201   \expandafter\renewcommand%
18202   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18203     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18204   \expandafter\renewcommand\expandafter*%
18205   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18206 }
18207
18208 \CloneTOCEntryStyle{tocline}{section}
18209 \TOCEntryStyleStartInitCode{section}{%
18210   \expandafter\renewcommand%
18211   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18212 }
18213
18214 \CloneTOCEntryStyle{section}{default}
18215
18216 \DeclareSectionCommand[%
18217   style=part,%
18218   level=\m@ne,%
18219   pagestyle=plain,%
18220   tocstyle=part,%
18221   toplevel=\m@ne,%
18222   tocindent=\z@,%
18223   tocnumwidth=2em%
18224 ]{part}
18225 \DeclareSectionCommand[%
18226   style=chapter,%
18227   level=\z@,%
18228   pagestyle=plain,%
18229   tocstyle=chapter,%
18230   tocindent=\z@,%
18231   tocnumwidth=1.5em%
18232 ]{chapter}
18233 \DeclareSectionCommand[%
18234   style=section,%
18235   level=1,%
18236   indent=\z@,%
18237   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%

```



```

18238 afterskip=2.3ex \@plus.2ex,%
18239 tocstyle=section,%
18240 tocindent=1.5em,%
18241 tocnumwidth=2.3em%
18242 ]{section}
18243 \DeclareSectionCommand[%
18244   style=section,%
18245   level=2,%
18246   indent=\z@,%
18247   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
18248   afterskip=1.5ex \@plus .2ex,%
18249   tocstyle=section,%
18250   tocindent=3.8em,%
18251   tocnumwidth=3.2em%
18252 ]{subsection}
18253 \DeclareSectionCommand[%
18254   style=section,%
18255   level=3,%
18256   indent=\z@,%
18257   beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
18258   afterskip=1.5ex \@plus .2ex,%
18259   tocstyle=section,%
18260   tocindent=7.0em,%
18261   tocnumwidth=4.1em%
18262 ]{subsubsection}
18263 \DeclareSectionCommand[%
18264   style=section,%
18265   level=4,%
18266   indent=\z@,%
18267   beforekip=3.25ex \@plus1ex \@minus .2ex,%
18268   afterskip=-1em,%
18269   tocstyle=section,%
18270   tocindent=10em,%
18271   tocnumwidth=5em%
18272 ]{paragraph}
18273 \DeclareSectionCommand[%
18274   style=section,%
18275   level=5,%
18276   indent=\scr@parindent,%
18277   beforekip=3.25ex \@plus1ex \@minus .2ex,%
18278   afterskip=-1em,%
18279   tocstyle=section,%
18280   tocindent=12em,%
18281   tocnumwidth=6em%
18282 ]{subparagraph}
18283
18284

```



108 File sidecap-xetex-bidi.def

```
18285 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for XeTeX]
18286 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18287   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18288 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18289 \renewcommand*{\SC@justify@caption}{\if@RTL%
18290 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
18291   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}
```

109 File soul-xetex-bidi.def

```
18292 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18293 \long\def\SOUL@start#1{ {%
18294   \let\bid@RTL@everypar\@empty
18295   \let\<\SOUL@lowerthan
18296   \let\>\empty
18297   \def\soulomit{\noexpand\soulomit}%
18298   \gdef\SOUL@eventuallyexhyphen##1{ {%
18299     \let\SOUL@soeventuallyskip\relax
18300     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18301       \@minus\fontdimen4\font
18302     \SOUL@ignorespacesfalse
18303     \leavevmode
18304     \SOUL@preamble
18305     \SOUL@lasttoken={}%
18306     \SOUL@word={}%
18307     \SOUL@minus\z@
18308     \SOUL@comma\z@
18309     \SOUL@apo\z@
18310     \SOUL@grave\z@
18311     \SOUL@do{#1}%
18312     \SOUL@postamble
18313   }}
18314 \def\SOUL@underline#1{ {%
18315   \setbox\z@\hbox{#1}%
18316   \dimen@=\wd\z@
18317   \dimen@i=\SOUL@uloverlap
18318   \advance\dimen@2\dimen@i
18319   \if@RTL
18320     \unhcopy\z@
18321     \llap{ %
18322       \null
18323       \kern-\dimen@i
18324       \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18325     }%
18326   \else
18327     \rlap{ %
18328       \null
18329       \kern-\dimen@i
```



```

18330      \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18331    }%
18332    \unhcopy\z@
18333    \fi
18334  }}
18335  \def\bidi@SOUL@ulleaders{%
18336    \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\re
18337  }
18338  \def\SOUL@uleveryspace#1{%
18339    \if@RTL
18340      #1%
18341      \bidi@SOUL@ulleaders
18342      \hskip\spaceskip
18343    \else
18344      \SOUL@ulcolor{%
18345        #1%
18346        \SOUL@ulleaders
18347        \hskip\spaceskip
18348      }%
18349      \fi
18350      \null
18351  }

```

110 File stabular-xetex-bidi.def

```

18352 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package ]
18353 \def\@stabular{%
18354   \leavevmode \bgroup \if@RTLtab\beginR \fi
18355   \let\@acol\@tabacol
18356   \let\@classz\@tabclassz
18357   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18358 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18359   \egroup \if@RTLtab\endR\fi\egroup}
18360 \expandafter \let \csname endstabular*\endcsname = \endstabular
18361 \def\@sarray[#1]#2{%
18362   \bgroup
18363   \setbox\@arstrutbox\hbox{%
18364     \vrule \@height\arraystretch\ht\strutbox
18365     \@depth\arraystretch \dp\strutbox
18366     \@width\z@}%
18367   \@mkpream{#2}%
18368   \edef\@preamble{%
18369     \ialign \noexpand\@halignto
18370     \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18371   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18372   \let\@tabularnewline\%
18373   \let\@sharp##%
18374   \set@typeset@protect
18375   \lineskip\z@skip\baselineskip\z@skip
18376   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi

```



```
18377 \@preamble}
```

111 File subfigure-xetex-bidi.def

```
18378 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18379 \AtBeginDocument{%
18380 \let\p@subfigure=\thefigure
18381 \let\p@subtable=\thetable%
18382 }
```

112 File tabs-xetex-bidi.def

```
18383 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
18384 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18385
18386 \expandafter\let\csname endtabular*\endcsname=\endtabular
18387
18388 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
18389 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18390 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18391
18392 \def\@array[#1]#2{% remember global variables to allow recursion:
18393 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18394 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18395 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18396 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18397 \else \let\@tarlinesep\tablinesep \fi
18398 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18399 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
18400 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18401 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18402 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
18403 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18404 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18405 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18406 \let\protect\noexpand
18407 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18408 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18409 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18410 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
18411 \bgroup \let\par\@empty
18412 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18413 \advance\extrarulesep.5\arrayrulewidth
18414 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18415 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
18416 \@preamble}
```

113 File tabularx-xetex-bidi.def

```
18417 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
```



```

18418 \def\TX@endtabularx{%
18419   \expandafter\expandafter\expandafter
18420     \TX@find@endtabularxa\csname end\TX@\endcsname
18421     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18422   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
18423   \let\verb\TX@verb
18424   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18425   \edef\TX@ckpt{\cl@ckpt}%
18426   \let\@elt\relax
18427   \TX@old@table\maxdimen
18428   \TX@col@width\TX@target
18429   \global\TX@cols\@ne
18430   \TX@typeout@
18431     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18432   \TX@trial{\def\NC@rewrite@X{%
18433     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18434   \loop
18435     \TX@arith
18436     \ifTX@
18437       \TX@trial{}%
18438   \repeat
18439   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18440    \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18441    \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18442    \csname tabular*\expandafter\endcsname\expandafter\TX@target
18443      \the\toks@
18444    \csname endtabular*\endcsname}%
18445   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18446   \ifnum0=`{\fi}%
18447   \expandafter\expandafter\expandafter
18448     \TX@find@endtabularxbb
18449     \expandafter\end\expandafter{\TX@}%
18450   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
18451 }
18452
18453 \def\TX@trial#1{%
18454   \setbox\@tempboxa\hbox{%
18455     #1\relax
18456   \let\@footnotetext\TX@trial@ftn
18457   \let\@LTRfootnotetext\TX@trial@ftn
18458   \let\@RTLfootnotetext\TX@trial@ftn
18459   \let\TX@vwarn\@empty
18460   \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18461   \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18462   \def\write{\begingroup
18463     \def\let{\afterassignment\endgroup\toks@}%
18464     \afterassignment\let\count@}%
18465   \hbadness\@M
18466   \hfuzz\maxdimen
18467   \let\hbadness\@tempcnta

```



```

18468 \let\hfuzz\@tempdima
18469 \expandafter\tabular\the\toks@
18470 \endtabular}%
18471 \TX@ckpt
18472 \TX@typeout@{\@spaces
18473 \expandafter\TX@align
18474 \the\wd\@tempboxa\space\space\space\space\space\@@
18475 \expandafter\TX@align
18476 \the\TX@colwidth\space\space\space\space\space\@@
18477 \@spaces\the\TX@cols}}
18478
18479 \long\def\TX@LTRftntext#1{%
18480 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18481 [\the\csname c@\@mpfn\endcsname]}}%
18482 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18483 \long\def\TX@xLTRftntext[#1]#2{%
18484 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
18485
18486 \long\def\TX@RTLftntext#1{%
18487 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18488 [\the\csname c@\@mpfn\endcsname]}}%
18489 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18490 \long\def\TX@xRTLftntext[#1]#2{%
18491 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

114 File tabulary-xetex-bidi.def

```

18492 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18493 \def\@testpach{\@chclass
18494 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18495 \ifnum \@lastchclass=7 5 \else
18496 \ifnum \@lastchclass=8 \tw@ \else
18497 \ifnum \@lastchclass=9 \thr@@
18498 \else \z@
18499 \ifnum \@lastchclass = 10 \else
18500 \edef\@nextchar{\expandafter\string\@nextchar}%
18501 \@chnum
18502 \if \@nextchar c\z@ \else
18503 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
18504 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
18505 \if \@nextchar C7 \else
18506 \if \@nextchar L8 \else
18507 \if \@nextchar R9 \else
18508 \if \@nextchar J10 \else
18509 \z@ \@chclass
18510 \if\@nextchar |\@ne \else
18511 \if \@nextchar !6 \else
18512 \if \@nextchar @7 \else
18513 \if \@nextchar <8 \else
18514 \if \@nextchar >9 \else

```



```

18515 10
18516 \@chnum
18517 \if \@nextchar m\thr@@\else
18518 \if \@nextchar p4 \else
18519 \if \@nextchar b5 \else
18520 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
18521 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

115 File tc-xetex-bidi.def

```

18522 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
18523 \def\@cliptoboxdim#1{%
18524   \setbox#1=\hbox{%
18525     \Gin@defaultbp\WIDTH{\wd#1}%
18526     \Gin@defaultbp\DEPTH{\dp#1}%
18527     \@tempdima\ht#1%
18528     \advance\@tempdima\dp#1%
18529     \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18530     \beginL\special{pdf:bcontent }%
18531     \special{%
18532       pdf:literal direct
18533       0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18534     }%
18535     \special{pdf:literal direct W }%
18536     \special{pdf:literal direct n }%
18537     \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18538     \special{pdf:econtent }\endL%
18539   }%
18540 }

```

116 File tcolorbox-xetex-bidi.def

```

18541 \ProvidesFile{tcolorbox-xetex-bidi.def}[2017/08/15 v0.1 bidi adaptations for tcolorbox package]
18542 \let\endtcbl@lrbox=\endminipage
18543 \let\endtcbl@savebox=\endtcbl@lrbox
18544
18545 \bidi@patchcmd{\tcb@vbox}{%
18546   \let\@footnotetext\@mpfootnotetext%
18547 }{%
18548   \let\@footnotetext\@mpfootnotetext%
18549   \let\@LTRfootnotetext\@mpLTRfootnotetext%
18550   \let\@RTLfootnotetext\@mpRTLfootnotetext%
18551 }{}{}
18552
18553 \bidi@patchcmd{\endtcbl@vbox}{%
18554   \footnoterule%
18555 }{%
18556   \bidi@mpfootnoterule%
18557 }{}{}

```



117 File titlesec-xetex-bidi.def

```
18558 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18559 \renewcommand\filright{%
18560   \gdef\ttl@filleft##1{\hskip##1}%
18561   \gdef\ttl@filright##1{\hfill}%
18562   \let\\\@centercr
18563   \advance\rightskip\z@ \@plus 1fil
18564   \parfillskip\z@}
18565 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18566   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18567   \setlength\leftskip{#6}%
18568   \setlength\rightskip{#7}%
18569   \interlinepenalty\@M
18570   \ttl@changecentercr
18571   \ttl@beginlongest
18572   #1{\ifhmode\ttl@hmode@error\fi
18573     \ttl@glcmds
18574     \parindent\z@
18575     \leavevmode
18576     \begingroup
18577       \ifttl@label
18578         \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18579         \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18580         \llap{\box\z@}%
18581       \fi
18582       #4{#8}%
18583       \kern\z@\strut\@@par
18584     \endgroup
18585     \nobreak\ttl@midlongest#5\@@par}%
18586   \ttl@endlongest}
```

118 File titletoc-xetex-bidi.def

```
18587 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18588 \renewcommand\filright{%
18589   \gdef\ttl@filleft##1{\hskip##1}%
18590   \gdef\ttl@filright##1{\hfill}%
18591   \let\\\@centercr
18592   \advance\rightskip\z@ \@plus 1fil
18593   \parfillskip\z@}
18594 \renewcommand\contentspush[1]{%
18595   \sbox\z@{#1}%
18596   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18597   \aftergroup\ttl@b
18598   \leavevmode\llap{\box\z@}}
18599 \def\ttl@outnoblock#1#2#3{%
18600   \begingroup
18601   \ifnum\ttl@b>\ttl@a
18602     \nobreak
```



```

18603 \else\ifnum\ttl@b<\ttl@a
18604 \addpenalty{\@secpenalty}%
18605 \else
18606 \addpenalty{\z@}%
18607 \fi\fi
18608 \ttl@contentsstretch
18609 \nobreak
18610 \ifcase#1\relax\else\interlinepenalty\@M\fi
18611 \parindent\z@
18612 \ifx\@nil#2%
18613 \PackageError{titletoc}{Unimplemented}%
18614 {The optional argument is currently mandatory}%
18615 \else
18616 \if@RTL\setlength\rightskip{#2}\else
18617 \setlength\leftskip{#2}\fi%
18618 \fi
18619 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18620 \let\contentsmargin\ttl@margin
18621 \def\ttl@makeline##1{##1}%
18622 #3%
18623 \addtolength{\parfillskip}{-\ttl@corr}%
18624 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
18625 \let\ttl@leaders\leaders}
18626 \renewcommand\ttl@margin[2][\z@]{%
18627 \def\ttl@corr{#1}%
18628 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
18629 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
18630 \def\@pnumwidth{#2}}
18631 \let\ttl@savel@part\l@part
18632 \def\l@part{\ttl@lselect{part}}
18633
18634 \let\ttl@savel@chapter\l@chapter
18635 \def\l@chapter{\ttl@lselect{chapter}}

```

119 File tocbibind-xetex-bidi.def

```

18636 \ProvidesFile{tocabibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
18637 \if@dotocbib
18638 \@ifpackageloaded{natbib}{\% natbib not loaded
18639 \renewcommand{\bibsection}{\t@cb@bchapsec}
18640 \renewenvironment{thebibliography}[1]{%
18641 \bibsection
18642 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}{
18643 \renewenvironment{thebibitemlist}[1]{
18644 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18645 \bidi@thebibliography@font@hook%
18646 \list{\@biblabel{\@arabic{cenumiv}}}{%
18647 \settowidth\labelwidth{\@biblabel{#1}}%
18648 \leftmargin\labelwidth
18649 \advance\leftmargin\labelsep

```




```

18650         \@openbib@code
18651         \usecounter{enumiv}%
18652         \let\p@enumiv\@empty
18653         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
18654     \sloppy
18655     \clubpenalty4000
18656     \@clubpenalty \clubpenalty
18657     \widowpenalty4000%
18658     \sfcode\.\@m}
18659 {\def\@noitemerr
18660   {\@latex@warning{Empty `thebibliography' environment}}}%
18661   \endlist}
18662
18663   \ifpackagewith{chapterbib}{sectionbib}%
18664   {\renewcommand{\sectionbib}[2]{}}%
18665   {}
18666
18667 \fi
18668 \if@inltxdoc\else
18669   \renewenvironment{theindex}%
18670   {\if@twocolumn
18671     \@restonecolfalse
18672   \else
18673     \@restonecoltrue
18674   \fi
18675   \if@bibchapter
18676     \if@donumindex
18677       \refstepcounter{chapter}
18678       \twocolumn[\vspace*{2\topskip}%
18679         \@makechapterhead{\indexname}}%
18680       \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
18681       \chaptermark{\indexname}
18682     \else
18683       \if@dotocind
18684         \twocolumn[\vspace*{2\topskip}%
18685           \@makeschapterhead{\indexname}}%
18686         \prw@mkboth{\indexname}
18687         \addcontentsline{toc}{chapter}{\indexname}
18688       \else
18689         \twocolumn[\vspace*{2\topskip}%
18690           \@makeschapterhead{\indexname}}%
18691         \prw@mkboth{\indexname}
18692       \fi
18693     \fi
18694   \else
18695     \if@donumindex
18696       \twocolumn[\vspace*{-1.5\topskip}%
18697         \@nameuse{\@tocextra}{\indexname}}%
18698       \csname \@tocextra mark\endcsname{\indexname}
18699     \else

```



```

18700         \if@dotocind
18701             \twocolumn[\vspace*{-1.5\topskip}%
18702                 \toc@headstar{\@tocextra}{\indexname}]{%
18703                 \prw@mkboth{\indexname}
18704                 \addcontentsline{toc}{\@tocextra}{\indexname}
18705             \else
18706                 \twocolumn[\vspace*{-1.5\topskip}%
18707                     \toc@headstar{\@tocextra}{\indexname}]{%
18708                 \prw@mkboth{\indexname}
18709             \fi
18710         \fi
18711     \fi
18712     \thispagestyle{plain}\parindent\z@
18713     \parskip\z@ \@plus .3\p@ \relax
18714     \let\item\@idxitem}
18715     {\if@restonecol\onecolumn\else\clearpage\fi}
18716 \fi

```

120 File tocloft-xetex-bidi.def

```

18717 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
18718 \let\cftdot\@SepMark
18719 \if@cfthaspart
18720 \renewcommand*{\l@part}[2]{
18721     \@cftdopartfalse
18722     \ifnum \c@tocdepth >-2\relax
18723         \if@cfthaschapter
18724             \@cftdoparttrue
18725         \fi
18726         \ifnum \c@tocdepth >\m@ne
18727             \if@cfthaschapter\else
18728                 \@cftdoparttrue
18729             \fi
18730         \fi
18731     \fi
18732     \if@cftdopart
18733         \if@cfthaschapter
18734             \addpenalty{-\@highpenalty}
18735         \else
18736             \addpenalty\@secpenalty
18737         \fi
18738         \addvspace{\cftbeforepartskip}
18739         \begingroup
18740             {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
18741             \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18742             \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18743             \parindent \cftpartindent\relax\@afterindenttrue
18744             \interlinepenalty\@M
18745             \leavevmode
18746             \@tempdima \cftpartnumwidth\relax

```



```

18747 \let\@cftbsnum \cftpartpresnum
18748 \let\@cftasnum \cftpartaftersnum
18749 \let\@cftasnumb \cftpartaftersnumb
18750 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18751 {\cftpartfont \cftpartpresnum #1}
18752 \cftpartfillnum{#2}}
18753 \nobreak
18754 \ifcfthaschapter
18755 \global\@nobreaktrue
18756 \everypar{\global\@nobreakfalse\everypar{}}
18757 \else
18758 \ifcompatibility
18759 \global\@nobreaktrue
18760 \everypar{\global\@nobreakfalse\everypar{}}
18761 \fi
18762 \fi
18763 \endgroup
18764 \fi}
18765 \fi
18766 \ifcfthaschapter
18767 \renewcommand*{\l@chapter}[2]{
18768 \ifnum \c@tocdepth >\m@ne
18769 \addpenalty{-\@highpenalty}
18770 \vskip \cftbeforechapskip
18771 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
18772 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18773 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18774 \parindent \cftchapindent\relax\@afterindenttrue
18775 \interlinepenalty\@M
18776 \leavevmode
18777 \@tempdima \cftchapnumwidth\relax
18778 \let\@cftbsnum \cftchappresnum
18779 \let\@cftasnum \cftchapaftersnum
18780 \let\@cftasnumb \cftchapaftersnumb
18781 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18782 {\cftchapfont #1}\nobreak
18783 \cftchapfillnum{#2}}
18784 \fi}
18785 \fi
18786 \renewcommand*{\l@section}[2]{%
18787 \ifnum \c@tocdepth >\z@
18788 \ifcfthaschapter
18789 \vskip \cftbeforeseccskip
18790 \else
18791 \addpenalty\@secpenalty
18792 \addvspace{\cftbeforeseccskip}
18793 \fi
18794 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
18795 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18796 \parfillskip -\if@RTL\leftskip\else\rightskip\fi

```



```

18797 \parindent \cftsecindent\relax\@afterindenttrue
18798 \interlinepenalty\@M
18799 \leavevmode
18800 \@tempdima \cftsecnumwidth\relax
18801 \let\@cftbsnum \cftsecpresnum
18802 \let\@cftasnum \cftsecaftersnum
18803 \let\@cftasnumb \cftsecaftersnumb
18804 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18805 {\cftsecfont #1}\nobreak
18806 \cftsecfillnum{#2}}
18807 \fi}
18808 \renewcommand*{\l@section}[2]{%
18809 \ifnum \c@tocdepth >\@ne
18810 \vskip \cftbeforesubsecskip
18811 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
18812 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18813 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18814 \parindent \cftsubsecindent\relax\@afterindenttrue
18815 \interlinepenalty\@M
18816 \leavevmode
18817 \@tempdima \cftsubsecnumwidth\relax
18818 \let\@cftbsnum \cftsubsecpresnum
18819 \let\@cftasnum \cftsubsecaftersnum
18820 \let\@cftasnumb \cftsubsecaftersnumb
18821 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18822 {\cftsubsecfont #1}\nobreak
18823 \cftsubsecfillnum{#2}}
18824 \fi}
18825 \renewcommand*{\l@subsubsection}[2]{%
18826 \ifnum \c@tocdepth >\tw@
18827 \vskip \cftbeforesubsubsecskip
18828 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
18829 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18830 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18831 \parindent \cftsubsubsecindent\relax\@afterindenttrue
18832 \interlinepenalty\@M
18833 \leavevmode
18834 \@tempdima \cftsubsubsecnumwidth\relax
18835 \let\@cftbsnum \cftsubsubsecpresnum
18836 \let\@cftasnum \cftsubsubsecaftersnum
18837 \let\@cftasnumb \cftsubsubsecaftersnumb
18838 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18839 {\cftsubsubsecfont #1}\nobreak
18840 \cftsubsubsecfillnum{#2}}
18841 \fi}
18842 \renewcommand*{\l@paragraph}[2]{%
18843 \ifnum \c@tocdepth >3\relax
18844 \vskip \cftbeforeparaskip
18845 {\if@RTL\rightskip\else\leftskip\fi \cftparindent\relax
18846 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg

```



```

18847 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18848 \parindent \cftpargin\relax\@afterindenttrue
18849 \interlinepenalty\@M
18850 \leavevmode
18851 \@tempdima \cftpargnumwidth\relax
18852 \let\@cftbsnum \cftpargpresnum
18853 \let\@cftasnum \cftpargaftersnum
18854 \let\@cftasnumb \cftpargaftersnumb
18855 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18856 {\cftpargfont #1}\nobreak
18857 \cftpargfillnum{#2}}
18858 \fi}
18859 \renewcommand*{\l@subparagraph}[2]{%
18860 \ifnum \c@tocdepth >4\relax
18861 \vskip \cftbeforesubparskip
18862 {\if@RTL\rightskip\else\leftskip\fi \cftsubparindent\relax
18863 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18864 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18865 \parindent \cftsubparindent\relax\@afterindenttrue
18866 \interlinepenalty\@M
18867 \leavevmode
18868 \@tempdima \cftsubparnumwidth\relax
18869 \let\@cftbsnum \cftsubparpresnum
18870 \let\@cftasnum \cftsubparaftersnum
18871 \let\@cftasnumb \cftsubparaftersnumb
18872 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18873 {\cftsubparfont #1}\nobreak
18874 \cftsubparfillnum{#2}}
18875 \fi}
18876 \renewcommand*{\l@figure}[2]{%
18877 \ifnum \c@lofdepth >\z@
18878 \vskip \cftbeforefigskip
18879 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
18880 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18881 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18882 \parindent \cftfigindent\relax\@afterindenttrue
18883 \interlinepenalty\@M
18884 \leavevmode
18885 \@tempdima \cftfignumwidth\relax
18886 \let\@cftbsnum \cftfigpresnum
18887 \let\@cftasnum \cftfigaftersnum
18888 \let\@cftasnumb \cftfigaftersnumb
18889 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
18890 {\cftfigfont #1}\nobreak
18891 \cftfigfillnum{#2}}
18892 \fi
18893 }
18894 \renewcommand*{\l@table}[2]{%
18895 \ifnum \c@lotdepth >\z@
18896 \vskip \cftbeforetabskip

```



```

18897 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
18898 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18899 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18900 \parindent \cfttabindent\relax\@afterindenttrue
18901 \interlinepenalty\@M
18902 \leavevmode
18903 \@tempdima \cfttabnumwidth\relax
18904 \let\@cftbsnum \cfttabpresnum
18905 \let\@cftasnum \cfttabaftersnum
18906 \let\@cftasnumb \cfttabaftersnumb
18907 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18908 {\cfttabfont #1}\nobreak
18909 \cfttabfillnum{#2}}
18910 \fi
18911 }
18912 \renewcommand{\@cftl@subfig}{
18913 \renewcommand*{\l@subfigure}[2]{%
18914 \ifnum \c@lofdepth > \toclevel@subfigure
18915 \vskip \cftbeforesubfigskip
18916 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubfigindent\relax
18917 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18918 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18919 \parindent \cftsubfigindent\relax\@afterindenttrue
18920 \interlinepenalty\@M
18921 \leavevmode
18922 \@tempdima \cftsubfignumwidth\relax
18923 \let\@cftbsnum \cftsubfigpresnum
18924 \let\@cftasnum \cftsubfigaftersnum
18925 \let\@cftasnumb \cftsubfigaftersnumb
18926 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18927 {\cftsubfigfont ##1}\nobreak
18928 \cftsubfigfillnum{##2}}
18929 \fi
18930 }
18931 }
18932 \renewcommand{\@cftl@subtab}{
18933 \renewcommand*{\l@subtable}[2]{%
18934 \ifnum \c@lotdepth > \toclevel@subtable
18935 \vskip \cftbeforesubtabskip
18936 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubtabindent\relax
18937 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18938 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18939 \parindent \cftsubtabindent\relax\@afterindenttrue
18940 \interlinepenalty\@M
18941 \leavevmode
18942 \@tempdima \cftsubtabnumwidth\relax
18943 \let\@cftbsnum \cftsubtabpresnum
18944 \let\@cftasnum \cftsubtabaftersnum
18945 \let\@cftasnumb \cftsubtabaftersnumb
18946 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright

```



```

18947     {\cftsubtabfont ##1}\nobreak
18948     \cftsubtabfillnum{##2}}
18949   \fi
18950 }
18951 }
18952 \renewcommand{\newlistentry}[4][\@empty]{%
18953   \@ifundefined{c@#2}{%      check & set the counter
18954     \ifx \@empty#1\relax
18955       \newcounter{#2}
18956     \else
18957       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
18958         {#1 has no counter for use as a `within'}
18959         \newcounter{#2}}%
18960       {\newcounter{#2}[#1]%
18961         \expandafter\edef\csname the#2\endcsname{%
18962           \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
18963     \fi
18964     \setcounter{#2}{0}
18965   }
18966   {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
18967 }
18968 \@namedef{l@#2}##1##2{%
18969   \ifnum \@nameuse{c@#3depth} > #4\relax
18970     \vskip \@nameuse{cftbefore#2skip}
18971     {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
18972     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18973     \parfillskip -\if@RTL\leftskip\else\righskip\fi
18974     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
18975     \interlinepenalty\@M
18976     \leavevmode
18977     \@tempdima \@nameuse{cft#2numwidth}\relax
18978     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
18979     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
18980     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
18981     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righ
18982     {\@nameuse{cft#2font}##1}\nobreak
18983     \@nameuse{cft#2fillnum}{##2}}
18984   \fi
18985 } % end of l@#2
18986
18987 \expandafter\newlength\csname cftbefore#2skip\endcsname
18988 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
18989 \expandafter\newlength\csname cft#2indent\endcsname
18990 \expandafter\newlength\csname cft#2numwidth\endcsname
18991 \ifcase #4\relax % 0
18992   \setlength{\@nameuse{cft#2indent}}{0em}
18993   \setlength{\@nameuse{cft#2numwidth}}{1.5em}
18994 \or % 1
18995   \setlength{\@nameuse{cft#2indent}}{1.5em}
18996   \setlength{\@nameuse{cft#2numwidth}}{2.3em}

```



```

18997 \or % 2
18998 \setlength{\@nameuse{cft#2indent}}{3.8em}
18999 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19000 \or % 3
19001 \setlength{\@nameuse{cft#2indent}}{7.0em}
19002 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19003 \else % anything else
19004 \setlength{\@nameuse{cft#2indent}}{10.0em}
19005 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19006 \fi
19007 \@namedef{cft#2font}{\normalfont}
19008 \@namedef{cft#2presnum}{\}
19009 \@namedef{cft#2aftersnum}{\}
19010 \@namedef{cft#2aftersnumb}{\}
19011 \@namedef{cft#2dotsep}{\cftdotsep}
19012 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19013 \@namedef{cft#2pagefont}{\normalfont}
19014 \@namedef{cft#2afterpnum}{\}
19015 \@namedef{toclevel@#2}{#4}
19016 \@namedef{cft#2fillnum}##1{%
19017 \{\@nameuse{cft#2leader}\nobreak
19018 \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
19019 } % end \newlistentry
19020 \renewcommand{cftchapterprecistoc}[1]{\addtocontents{toc}{%
19021 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19022 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19023 \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
19024 \textit{#1}\protect\par}}}}

```

121 File tocbasic-xetex-bidi.def

```

19025 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
19026 \bidi@undef\scr@dte@def@1@undottedtocline
19027 \bidi@undef\scr@dte@undottedtocline@init
19028 \DeclareTOCEntryStyle{undottedtocline}[{%
19029 \DefineTOCEntryLengthOption{indent}%
19030 {scr@tso@}{@indent}{entry indent}%
19031 \DefineTOCEntryLengthOption{numwidth}%
19032 {scr@tso@}{@numwidth}{entry number width}%
19033 \@ifundefined{#1tocdepth}{%
19034 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19035 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19036 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19037 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19038 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19039 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19040 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19041 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19042 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19043 \expandafter\let\csname #1tocdepth\expandafter\endcsname

```




```

19044         \csname #1numdepth\endcsname
19045     }%
19046 }%
19047 }%
19048 }%
19049 }%
19050 }%
19051 }%
19052 }%
19053 }%
19054 }{}%
19055 \@ifundefined{scr@tso@#1@indent}{%
19056     \@ifundefined{scr@#1@tocindent}{%
19057         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19058             \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19059                 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19060                     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19061                         \scr@ifundefined{relax}{l@chapter}{%
19062                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19063                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19064                                     \ifstr{#1}{subsubsection}{%
19065                                         \@namedef{scr@tso@#1@indent}{3.8em}%
19066                                     }{%
19067                                         \ifstr{#1}{paragraph}{%
19068                                             \@namedef{scr@tso@#1@indent}{7em}%
19069                                         }{%
19070                                             \ifstr{#1}{subparagraph}{%
19071                                                 \@namedef{scr@tso@#1@indent}{10em}%
19072                                             }{%
19073                                                 }%
19074                                             }%
19075                                         }%
19076                                     }%
19077                                 }%
19078                             }{%
19079                                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19080                                     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19081                                         \ifstr{#1}{subsubsection}{%
19082                                             \@namedef{scr@tso@#1@indent}{7.0em}%
19083                                         }{%
19084                                             \ifstr{#1}{paragraph}{%
19085                                                 \@namedef{scr@tso@#1@indent}{10em}%
19086                                             }{%
19087                                                 \ifstr{#1}{subparagraph}{%
19088                                                     \@namedef{scr@tso@#1@indent}{12em}%
19089                                                 }{%
19090                                                     }%
19091                                                 }%
19092                                             }%
19093                                         }%

```



```

19094         }%
19095     }%
19096 }%
19097 }%
19098 }%
19099 }%
19100 }{%
19101     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19102 }%
19103 }{}%
19104 \ifundefined{scr@tso@#1@numwidth}{%
19105     \ifundefined{scr@#1@tocnumwidth}{%
19106         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19107             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19108                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19109                     \scr@ifundefinedorrelax{chapter}{%
19110                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19111                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19112                                 \ifstr{#1}{subsubsection}{%
19113                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
19114                                 }{%
19115                                     \ifstr{#1}{paragraph}{%
19116                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
19117                                     }{%
19118                                         \ifstr{#1}{subparagraph}{%
19119                                             \@namedef{scr@tso@#1@numwidth}{5em}%
19120                                         }{%
19121                                             }%
19122                                         }%
19123                                     }%
19124                                 }%
19125                             }%
19126                         }{%
19127                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19128                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19129                                     \ifstr{#1}{subsubsection}{%
19130                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
19131                                     }{%
19132                                         \ifstr{#1}{paragraph}{%
19133                                             \@namedef{scr@tso@#1@numwidth}{5em}%
19134                                         }{%
19135                                             \ifstr{#1}{subparagraph}{%
19136                                                 \@namedef{scr@tso@#1@numwidth}{6em}%
19137                                             }{%
19138                                                 }%
19139                                             }%
19140                                         }%
19141                                     }%
19142                                 }%
19143                             }%

```



```

19144         }%
19145     }%
19146 }%
19147 }{%
19148     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19149 }%
19150 }{}%
19151 }}{%
19152     \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19153     \ifnum \@nameuse{#1tocdepth}<\@ne
19154         \scr@ifundefinedorrelax{chapter}{%
19155             \addpenalty\@secpenalty
19156             \addvspace{1.0em \@plus\p@}%
19157         }{%
19158             \addpenalty{-\@highpenalty}%
19159             \vskip 1.0em \@plus\p@
19160         }%
19161     \else
19162         \addpenalty\@secpenalty
19163         \addvspace{1.0em \@plus\p@}%
19164     \fi
19165     \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19166     \begingroup
19167         \parindent \z@ \bidi@rightskip \@pnumwidth
19168         \parfillskip -\@pnumwidth
19169         \leavevmode
19170         \bfseries
19171         \advance\bidi@leftskip\@tempdima
19172         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19173         \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19174         ##1%
19175         \nobreak
19176         \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19177         \par
19178         \penalty\@highpenalty
19179     \endgroup
19180 \fi
19181 }
19182
19183 \bidi@undef\scr@dte@def@l@largetocline
19184 \bidi@undef\scr@dte@largetocline@init
19185 \DeclareTOCEntryStyle{largetocline}{%
19186     \DefineTOCEntryLengthOption{indent}%
19187     {scr@tso@}{@indent}{entry indent}%
19188     \@ifundefined{#1tocdepth}{%
19189         \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19190             \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19191                 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19192                     \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19193                         \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%

```



```

19194 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19195 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19196 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19197 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19198 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19199 \csname #1numdepth\endcsname
19200 }%
19201 }%
19202 }%
19203 }%
19204 }%
19205 }%
19206 }%
19207 }%
19208 }%
19209 }{}%
19210 \@ifundefined{scr@tso@#1@indent}{%
19211 \@ifundefined{scr@#1@tocindent}{%
19212 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19213 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19214 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19215 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19216 \scr@ifundefinedorrelax{1@chapter}{%
19217 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19218 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19219 \ifstr{#1}{subsubsection}{%
19220 \@namedef{scr@tso@#1@indent}{3.8em}%
19221 }%
19222 \ifstr{#1}{paragraph}{%
19223 \@namedef{scr@tso@#1@indent}{7em}%
19224 }%
19225 \ifstr{#1}{subparagraph}{%
19226 \@namedef{scr@tso@#1@indent}{10em}%
19227 }%
19228 }%
19229 }%
19230 }%
19231 }%
19232 }%
19233 }{%
19234 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19235 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19236 \ifstr{#1}{subsubsection}{%
19237 \@namedef{scr@tso@#1@indent}{7.0em}%
19238 }%
19239 \ifstr{#1}{paragraph}{%
19240 \@namedef{scr@tso@#1@indent}{10em}%
19241 }%
19242 \ifstr{#1}{subparagraph}{%
19243 \@namedef{scr@tso@#1@indent}{12em}%

```



```

19244         }{%
19245     }%
19246 }%
19247 }%
19248 }%
19249 }%
19250 }%
19251 }%
19252 }%
19253 }%
19254 }%
19255 }{%
19256     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19257 }%
19258 }{%
19259 }}{%
19260 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19261     \ifnum \@nameuse{#1tocdepth}<\@ne
19262         \scr@ifundefinedorrelax{chapter}{%
19263             \addpenalty\@secpenalty
19264             \addvspace{2.25em \@plus\p@}%
19265         }{%
19266             \addpenalty{-\@highpenalty}%
19267             \addvspace{2.25em \@plus\p@}%
19268         }%
19269     \else
19270         \addpenalty\@secpenalty
19271         \addvspace{2.25em \@plus\p@}%
19272     \fi
19273     \setlength\@tempdima{3em}%
19274     \begingroup
19275         \parindent \z@ \bidi@rightskip \@pnumwidth
19276         \parfillskip -\@pnumwidth
19277         \leavevmode
19278         \large
19279         \bfseries
19280         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19281         ##1%
19282         \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19283         \par
19284         \nobreak
19285         \ifnum 0=
19286             \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19287             \global\@nobreaktrue
19288             \everypar{\global\@nobreakfalse\everypar{}}%
19289         \fi
19290     \endgroup
19291 \fi
19292 }
19293

```



```

19294 \renewcommand*{\scr@dte@tocline}[3]{%
19295   \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19296   \else
19297     \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19298     \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19299     {%
19300       \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
19301       \bidi@rightskip \@tocrmarg
19302       \parfillskip -\bidi@rightskip
19303       \@nameuse{Ifscr@tso@#1@raggedpage}{%
19304         \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19305       }{}%
19306       \parindent \@nameuse{scr@tso@#1@indent}\relax
19307       \@afterindenttrue
19308       \interlinepenalty\@M
19309       \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19310         \addtolength\bidi@rightskip\@flushglue
19311       \else
19312         \def\reserved@a{\raggedright}%
19313         \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19314           \addtolength\bidi@rightskip\@flushglue
19315         \else
19316           \renewcommand\reserved@a{\raggedright}%
19317           \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19318             \addtolength\bidi@rightskip\@flushglue
19319           \fi
19320         \fi
19321       \fi
19322     \leavevmode
19323     \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19324     \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19325       \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{%
19326         \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19327           \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19328         \fi
19329       }{}%
19330     }{}%
19331     \advance\bidi@leftskip \@tempdima
19332     \null\nobreak\hskip -\bidi@leftskip
19333     {%
19334       \usetocbasicnumberline
19335       \let\scr@dte@numberline@box\numberline@box
19336       \def\numberline@box##1{%
19337         \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19338       \global\scr@dte@tocline@numberwidth
19339       \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19340       \ifdim \scr@dte@tocline@numberwidth
19341         >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19342       \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19343     \fi

```



```

19344 \nameuse{Ifscr@tso@#1@dynnumwidth}}{%
19345 \ifdim \scr@dte@tocline@numberwidth
19346 >\dimexpr \nameuse{scr@tso@#1@numwidth}%
19347 +\nameuse{scr@tso@#1@numsep}\relax
19348 \PackageWarning{tocbasic%
19349 }{%
19350 number width of #1 toc entries should be
19351 increased!\MessageBreak
19352 Currently used number width =
19353 \the\wd\scr@dte@tocline@numbox,\MessageBreak
19354 Wanted number separation
19355 \space\space\space =
19356 \the\dimexpr\nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19357 Reserved number width \space\space\space\space\space\space =
19358 \the\dimexpr\nameuse{scr@tso@#1@numwidth}\relax%
19359 }%
19360 \fi
19361 }%
19362 \scr@dte@numberline@box{\nameuse{scr@tso@#1@numberformat}}{##1}}%
19363 \nameuse{Ifscr@tso@#1@breakafternumber}}{%
19364 {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
19365 }{}%
19366 }%
19367 \nameuse{scr@tso@#1@entryformat}}{%
19368 #2%
19369 \nobreak
19370 {%
19371 \normalfont\normalsize\nameuse{scr@tso@#1@linefill}}%
19372 \nobreak
19373 \nameuse{scr@tso@#1@pagenumberbox}}{%
19374 \nameuse{scr@tso@#1@pagenumberformat}}{#3}%
19375 }%
19376 }%
19377 \@par
19378 }%
19379 }%
19380 }%
19381 \tocbasic@SetPenaltyByTOCLevel{#1}%
19382 \fi
19383 }
19384
19385 \bidi@undef\scr@dte@def@1@tocline
19386 \bidi@undef\scr@dte@tocline@init
19387 \DeclareTOCEntryStyle{tocline}[{%
19388 \DefineTOCEntryLengthOption{beforeskip}%
19389 {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19390 \DefineTOCEntryIfOption{breakafternumber}%
19391 {scr@tso@}{@breakafternumber}{line break after number flag}%
19392 \DefineTOCEntryIfOption{dynnumwidth}%
19393 {scr@tso@}{@dynnumwidth}{dynamic number width flag}%

```



```

19394 \DefineTOCEntryCommandOption{entryformat}%
19395   {scr@tso@}{@entryformat}[1]{entry format}%
19396 \DefineTOCEntryCommandOption{entrynumberformat}%
19397   {scr@tso@}{@numberformat}[1]{entry number format}%
19398 \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19399   {scr@tso@}{@linefill}{filling between text and page number}%
19400 \DefineTOCEntryLengthOption{numsep}%
19401   {scr@tso@}{@numsep}{entry number separation}%
19402 \DefineTOCEntryCommandOption{onstarthigherlevel}%
19403   {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19404 \DefineTOCEntryCommandOption{onstartlowerlevel}%
19405   {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19406 \DefineTOCEntryCommandOption{onstartsamelevel}%
19407   {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19408 \DefineTOCEntryCommandOption{pagenumberbox}%
19409   {scr@tso@}{@pagenumberbox}[1]{page number box}%
19410 \DefineTOCEntryCommandOption{pagenumberformat}%
19411   {scr@tso@}{@pagenumberformat}[1]{page number format}%
19412 \DefineTOCEntryOption{raggedentrytext}[true]{%
19413   \FamilySetBool{KOMAarg}{raggedentrytext}{@tempswa}{##1}%
19414   \ifx\FamilyKeyState\FamilyKeyStateProcessed
19415     \if@tempswa
19416       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19417       \raggedright
19418     \else
19419       \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19420       \relax
19421     \fi
19422   \fi
19423 }%
19424 \DefineTOCEntryIfOption{raggedpagenumber}%
19425   {scr@tso@}{@raggedpage}{page number ragged flag}%
19426 \DefineTOCEntryLengthOption{indent}%
19427   {scr@tso@}{@indent}{entry indent}%
19428 \DefineTOCEntryLengthOption{numwidth}%
19429   {scr@tso@}{@numwidth}{entry number width}%
19430 \scr@ifundefinedorrelax{#1tocdepth}{%
19431   \ifstrstart{#1}{sub}{%
19432     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
19433       \expandafter\edef\csname #1tocdepth\endcsname{%
19434         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19435       }%
19436     }%
19437   }-%
19438 }-%
19439 \@ifundefined{#1tocdepth}{%
19440   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19441     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19442       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19443         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%

```




```

19444 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19445 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19446 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19447 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19448 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19449 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19450 \csname #1numdepth\endcsname
19451 }%
19452 }%
19453 }%
19454 }%
19455 }%
19456 }%
19457 }%
19458 }%
19459 }%
19460 }{}%
19461 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19462 \@ifundefined{scr@#1@tocindent}{%
19463 \ifstrstart{#1}{sub}{%
19464 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19465 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
19466 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19467 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19468 \relax
19469 }%
19470 }%
19471 }{%
19472 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
19473 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19474 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19475 \relax
19476 }%
19477 }{%
19478 \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19479 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19480 +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19481 \relax
19482 }%
19483 }%
19484 }%
19485 }{}%
19486 }{%
19487 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19488 }%
19489 }{}%
19490 \@ifundefined{scr@tso@#1@indent}{%
19491 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19492 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19493 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%

```



```

19494 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19495 \scr@ifundefinedorrelax{l@chapter}{%
19496 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19497 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19498 \ifstr{#1}{subsubsection}{%
19499 \@namedef{scr@tso@#1@indent}{3.8em}%
19500 }{%
19501 \ifstr{#1}{paragraph}{%
19502 \@namedef{scr@tso@#1@indent}{7em}%
19503 }{%
19504 \ifstr{#1}{subparagraph}{%
19505 \@namedef{scr@tso@#1@indent}{10em}%
19506 }{%
19507 }%
19508 }%
19509 }%
19510 }%
19511 }%
19512 }{%
19513 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19514 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19515 \ifstr{#1}{subsubsection}{%
19516 \@namedef{scr@tso@#1@indent}{7.0em}%
19517 }{%
19518 \ifstr{#1}{paragraph}{%
19519 \@namedef{scr@tso@#1@indent}{10em}%
19520 }{%
19521 \ifstr{#1}{subparagraph}{%
19522 \@namedef{scr@tso@#1@indent}{12em}%
19523 }{%
19524 }%
19525 }%
19526 }%
19527 }%
19528 }%
19529 }%
19530 }%
19531 }%
19532 }%
19533 }%
19534 }{}%
19535 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19536 \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19537 \ifstrstart{#1}{sub}{%
19538 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}%
19539 \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19540 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19541 +.9em%
19542 \relax
19543 }%

```



```

19544     }%
19545   }{}%
19546 }{%
19547   \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19548 }%
19549 }{}%
19550 \@ifundefined{scr@tso@#1@numwidth}{%
19551   \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19552     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19553       \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19554         \scr@ifundefinedorrelax{chapter}{%
19555           \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19556             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19557               \ifstr{#1}{subsubsection}{%
19558                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19559               }{%
19560                 \ifstr{#1}{paragraph}{%
19561                   \@namedef{scr@tso@#1@numwidth}{4.1em}%
19562                 }{%
19563                   \ifstr{#1}{subparagraph}{%
19564                     \@namedef{scr@tso@#1@numwidth}{5em}%
19565                   }{%
19566                     }%
19567                   }%
19568                 }%
19569               }%
19570             }%
19571           }{}%
19572         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19573           \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19574             \ifstr{#1}{subsubsection}{%
19575               \@namedef{scr@tso@#1@numwidth}{3.1em}%
19576             }{%
19577               \ifstr{#1}{paragraph}{%
19578                 \@namedef{scr@tso@#1@numwidth}{5em}%
19579               }{%
19580                 \ifstr{#1}{subparagraph}{%
19581                   \@namedef{scr@tso@#1@numwidth}{6em}%
19582                 }{%
19583                   }%
19584                 }%
19585               }%
19586             }%
19587           }%
19588         }%
19589       }%
19590     }%
19591   }{}%
19592 }{}%
19593 \expandafter\renewcommand%

```



```

19594 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19595 \expandafter\renewcommand%
19596 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19597 \expandafter\renewcommand%
19598 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19599 \@ifundefined{scr@tso@#1@beforeskip}{%
19600   \ifstr{#1}{part}{%
19601     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19602   }{%
19603     \ifstr{#1}{chapter}{%
19604       \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19605     }{%
19606       \ifstr{#1}{section}{%
19607         \scr@ifundefinedorrelax{1@chapter}{%
19608           \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19609         }{}%
19610       }{}%
19611     }%
19612   }%
19613   \expandafter\renewcommand\expandafter*%
19614   \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19615 }{}%
19616 \@ifundefined{scr@dte@#1@maxnumwidth}{%
19617   \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19618   \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19619 }{}%
19620 \renewcommand*{\scr@dte@donumwidth}{}%
19621 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19622 \expandafter\renewcommand\expandafter*%
19623 \csname scr@tso@#1@numsep\endcsname{.4em}%
19624 \expandafter\renewcommand%
19625 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
19626 \ifstr{#1}{part}{%
19627   \expandafter\renewcommand%
19628   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
19629 }{%
19630   \ifstr{#1}{chapter}{%
19631     \expandafter\renewcommand%
19632     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19633   }{%
19634     \scr@ifundefinedorrelax{1@chapter}{%
19635       \ifstr{#1}{section}{%
19636         \expandafter\renewcommand%
19637         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19638       }{}%
19639     }{}%
19640     \expandafter\renewcommand%
19641     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
19642   }%
19643 }%

```



```

19644 \expandafter\renewcommand
19645 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
19646 \@ifundefined{scr@tso@#1@linefill}{%
19647   \ifstr{#1}{part}{%
19648     \@namedef{scr@tso@#1@linefill}{\hfill}%
19649   }{%
19650     \ifstr{#1}{chapter}{%
19651       \@namedef{scr@tso@#1@linefill}{\hfill}%
19652     }{%
19653       \scr@ifundefinedorrelax{1@chapter}{%
19654         \ifstr{#1}{section}{%
19655           \@namedef{scr@tso@#1@linefill}{\hfill}%
19656         }{}
19657       }{}
19658       \expandafter\renewcommand%
19659       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19660     }%
19661   }%
19662 }{}%
19663 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
19664 \ifstr{#1}{part}{%
19665   \expandafter\renewcommand%
19666   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
19667 }{%
19668   \expandafter\renewcommand%
19669   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19670     {\normalfont\normalcolor ##1}}%
19671 }%
19672 \expandafter\renewcommand%
19673 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
19674   \hb@xt@\@pnumwidth{\hfil ##1}}%
19675 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
19676 }}{%
19677   \scr@dte@tocline{#1}{##1}{##2}%
19678 }
19679

```

122 File tocstyle-xetex-bidi.def

```

19680 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
19681 \renewcommand*{\tocstyle@dottedtocline}[5]{%
19682   \let\numberline\tocstyle@numberline
19683   \ifnum #1>\c@tocdepth \else
19684     \if@tocstyle@penalties
19685       \begingroup
19686         \@tempcnta 20010
19687         \advance \@tempcnta by -#1
19688         \ifnum \@tempcnta>\lastpenalty
19689           \aftergroup\penalty\aftergroup\@lowpenalty
19690         \fi

```



```

19691     \endgroup
19692 \fi
19693 \edef\tocstyledepth{#1}%
19694 \tocstyle@activate@features
19695 \ifx\tocstyle@feature@entryvskip\relax
19696     \vskip \z@ \@plus.2\p@
19697 \else
19698     \advspace{\tocstyle@feature@entryvskip}%
19699 \fi
19700 {%
19701     \parskip \z@ \parindent \z@ \ifRTL\righskip\else\leftskip\fi \z@ \ifRTL\leftskip\else
19702     \tocstyle@feature@raggedhook
19703     \@tempdima #3\relax
19704     \@tempdimb #2\relax
19705     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19706     \ifnum #1>\z@\relax
19707         \@tempcnta #1\relax \advance\@tempcnta \m@ne
19708         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19709             \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19710                 \@tempdimb
19711                 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19712                 \advance\@tempdimb
19713                 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19714             \fi
19715         \fi
19716     \fi
19717     \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19718     \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
19719         \ifdim \@tempdimb>
19720             \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
19721             \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19722                 @#1\endcsname{\the\@tempdimb}%
19723         \fi
19724     \else
19725         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19726             @#1\endcsname{\the\@tempdimb}%
19727     \fi
19728     \iftocstyle@autolength
19729         \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19730             \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19731             \relax
19732         \fi
19733         \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19734             \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19735             \relax
19736         \fi
19737         \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19738         \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19739     \else
19740         \@tempdimb #2\relax

```



```

19741      \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19742    \fi
19743    \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
19744      \ifdim \@tempdima>
19745        \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
19746        \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19747          @\endcsname{\the\@tempdima}%
19748      \fi
19749    \else
19750      \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19751        @\endcsname{\the\@tempdima}%
19752    \fi
19753    \ifcase\tocstyle@indentstyle\relax\else
19754      \@tempdimb \z@
19755      \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19756        \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19757        \relax
19758      \fi
19759      \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19760      \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19761    \fi
19762    \advance\parindent \@tempdimb\@afterindenttrue
19763    \advance\if@RTL\rightskip\else\leftskip\fi \parindent
19764    \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
19765    \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19766    \ifx\tocstyle@feature@parfillskip\relax\else
19767      \advance\parfillskip \tocstyle@feature@parfillskip\relax
19768    \fi
19769    \interlinepenalty\@M
19770    \leavevmode
19771    \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
19772    \null\nobreak
19773    \iftocstyle@indentnotnumbered\else
19774      \hskip -\if@RTL\rightskip\else\leftskip\fi
19775    \fi
19776    \tocstyle@feature@entryhook
19777    {#4}\nobreak
19778    \ifx\tocstyle@feature@leaders\relax
19779      \leaders\hbox{$\m@th
19780        \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
19781        \mkern \@dotsep mu$}\hfill
19782    \else
19783      \tocstyle@feature@leaders
19784    \fi
19785    \nobreak
19786    \ifx\tocstyle@feature@pagenumberbox\relax
19787      \hbxt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
19788    \else
19789      \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
19790    \fi

```



```

19791 \par
19792 }%
19793 \if@tocstyle@penalties
19794 \bgroup
19795 \@tempcnta 20009
19796 \advance\@tempcnta by -#1
19797 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
19798 \reserved@a
19799 \fi
19800 \fi}
19801 \renewcommand*{\tocstyle@numberline}[1]{%
19802 \begingroup
19803 \ifx\tocstyle@feature@spaceafternumber\relax
19804 \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
19805 \else
19806 \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
19807 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
19808 \fi
19809 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
19810 \ifdim \@tempdima >
19811 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
19812 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19813 @\tocstyledepth\endcsname{\the\@tempdima}%
19814 \fi
19815 \else
19816 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19817 @\tocstyledepth\endcsname{\the\@tempdima}%
19818 \fi
19819 \endgroup
19820 \iftocstyle@indentnotnumbered
19821 \hskip -\if@RTL\rightskip\else\leftskip\fi
19822 \fi
19823 \ifcase \tocstyle@indentstyle
19824 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
19825 \or
19826 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
19827 \else
19828 \ifx\tocstyle@feature@spaceafternumber\relax
19829 \hbox{\tocstyle@@numberline{#1}\enskip}%
19830 \else
19831 \hbox{\tocstyle@@numberline{#1}\hskip
19832 \tocstyle@feature@spaceafternumber\relax}%
19833 \fi
19834 \fi
19835 }
19836 \AtBeginDocument{%
19837 \ifcsname l@part\endcsname
19838 \ifcsname l@chapter\endcsname
19839 \setbox\@tempboxa\vbox{\hsize\maxdimen
19840 \l@part{\tocstyle@l@define{part}{-1}}{}}%

```




```

19841 \else
19842 \setbox\@tempboxa\vbox{\hsize\maxdimen
19843 \l@part{\tocstyle@l@define{part}{0}}{}}%
19844 \fi
19845 \fi
19846 \ifcsname l@chapter\endcsname
19847 \setbox\@tempboxa\vbox{\hsize\maxdimen
19848 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
19849 \fi
19850 \ifcsname l@section\endcsname
19851 \setbox\@tempboxa\vbox{\hsize\maxdimen
19852 \l@section{\tocstyle@l@define{section}{1}}{}}%
19853 \fi
19854 \ifcsname l@subsection\endcsname
19855 \setbox\@tempboxa\vbox{\hsize\maxdimen
19856 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
19857 \fi
19858 \ifcsname l@subsubsection\endcsname
19859 \setbox\@tempboxa\vbox{\hsize\maxdimen
19860 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
19861 \fi
19862 \ifcsname l@paragraph\endcsname
19863 \setbox\@tempboxa\vbox{\hsize\maxdimen
19864 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
19865 \fi
19866 \ifcsname l@subparagraph\endcsname
19867 \setbox\@tempboxa\vbox{\hsize\maxdimen
19868 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
19869 \fi
19870 \ifcsname l@table\endcsname
19871 \setbox\@tempboxa\vbox{\hsize\maxdimen
19872 \l@table{\tocstyle@l@define{table}{1}}{}}%
19873 \fi
19874 \ifcsname l@figure\endcsname
19875 \setbox\@tempboxa\vbox{\hsize\maxdimen
19876 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
19877 \fi
19878 \def\@tempa#1#2#3#4#5{%
19879 \ifnum #1>\c@tocdepth \else
19880 \vskip \z@ \@plus.2\p@
19881 {\if@RTL\rightright\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightright\fi \@tocrm
19882 \parindent #2\relax\@afterindenttrue
19883 \interlinepenalty\@M
19884 \leavevmode
19885 \@tempdima #3\relax
19886 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19887 {#4}\nobreak
19888 \leaders\hbox{$\m@th
19889 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
19890 mu$}\hfill

```



```

19891      \nobreak
19892      \hb@xt@{\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
19893      \par}%
19894      \fi}%
19895      \ifx\@dottedtocline\@tempa\else
19896      \tocstyle@macrochangewarning\@dottedtocline
19897      \fi
19898      \let\tocstyle@saved@dottedtocline\@dottedtocline
19899      \def\@tempa#1{\hb@xt@{\@tempdima{#1\autodot\hfil}}}%
19900      \ifx\numberline\@tempa\else
19901      \def\@tempa#1{\hb@xt@{\@tempdima{#1\hfil}}}%
19902      \ifx\numberline\@tempa\else
19903      \tocstyle@macrochangewarning\numberline
19904      \fi
19905      \fi
19906      \let\tocstyle@saved@numberline\numberline
19907  }
19908  \renewcommand*{\tocstyle@l@define}[2]{%
19909  \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
19910  \edef\@tempa{%
19911  \noexpand\global\noexpand\let
19912  \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
19913  \expandafter\noexpand\csname l@#1\endcsname
19914  \noexpand\gdef
19915  \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
19916  \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
19917  \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
19918  \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
19919  \expandafter\noexpand\csname tocstyle@l@#1\endcsname
19920  }%
19921  }%
19922  \PackageInfo{tocstyle}{prepare \expandafter\string
19923  \csname l@#1\endcsname\space for redefinition}%
19924  \@tempa
19925  }

```

123 File todonotes-xetex-bidi.def

```

19926 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
19927 \newif\if@bidi@todonotes@textdirection@RTL
19928 \newif\if@bidi@todonotes@figposition@right
19929 \newcommand{\@bidi@todonotes@align}{}%
19930 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
19931 \newcommand{\@bidi@todonotes@textdirection}{}%
19932 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right|left|center}
19933 \ifcase\@bidi@todonotes@tempb\relax
19934 \@bidi@todonotes@textdirection@RTLtrue
19935 \let\@bidi@todonotes@textdirection@RLE
19936 \or
19937 \@bidi@todonotes@textdirection@RTLfalse

```



```

19938 \let\@bidi@todonotes@textdirection\LRE
19939 \fi}
19940 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,1
19941 \ifcase\bidi@todonotes@tempb\relax
19942 \@bidi@todonotes@figposition@righttrue
19943 \or
19944 \@bidi@todonotes@figposition@rightfalse
19945 \fi}
19946 \if@todonotes@disabled%
19947 \else % \if@todonotes@disabled
19948 \renewcommand{\@todonotes@drawInlineNote}{%
19949 \if@todonotes@dviStyle%
19950 {\par\noindent\begin{tikzpicture}[remember picture]%
19951 \draw node[inline notestyle] {};\end{tikzpicture}\par}%
19952 \if@todonotes@authorgiven%
19953 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19954 \else%
19955 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19956 \fi
19957 {\par\noindent\begin{tikzpicture}[remember picture]%
19958 \draw node[inline notestyle] {};\end{tikzpicture}\par}%
19959 \else%
19960 {\par\noindent\begin{tikzpicture}[remember picture]%
19961 \if\bidi@todonotes@textdirection@RTL\setRTL\fi%
19962 \draw node[inline notestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al
19963 \if@todonotes@authorgiven%
19964 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
19965 \else%
19966 {\noindent \@todonotes@sizecommand \@todonotes@text}%
19967 \fi};%
19968 \end{tikzpicture}\par}%
19969 \fi}%
19970 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
19971 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
19972 \node [coordinate] (inText) {};%
19973 \end{tikzpicture}%
19974 \marginpar[{} Draw note in left margin
19975 \@todonotes@drawMarginNote%
19976 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
19977 }]{% Draw note in right margin
19978 \@todonotes@drawMarginNote%
19979 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
19980 }%
19981 }%
19982 \renewcommand{\@todonotes@drawMarginNote}{%
19983 \if@todonotes@dviStyle%
19984 \begin{tikzpicture}[remember picture]%
19985 \draw node[notestyle] {};%
19986 \end{tikzpicture}\\%
19987 \begin{minipage}{\@todonotes@textwidth}%

```



```

19988 \if@todonotes@authorgiven%
19989 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
19990 \else%
19991 \@todonotes@sizecommand \@todonotes@text%
19992 \fi%
19993 \end{minipage}}\%
19994 \begin{tikzpicture}[remember picture]%
19995 \draw node[notestyle] (inNote) {};%
19996 \end{tikzpicture}%
19997 \else%
19998 \let\originalHbadness\hbadness%
19999 \hbadness 100000%
20000 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20001 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20002 \node(X){\vphantom{X}};%
20003 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20004 \if@todonotes@authorgiven%
20005 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@sizecommand \@todonotes@author};%
20006 \node(Y)[below=of X]{};%
20007 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20008 \else%
20009 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20010 \fi%
20011 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20012 \fi%
20013 \end{tikzpicture}%
20014 \hbadness \originalHbadness%
20015 \fi}%
20016 \renewcommand{\missingfigure}[2][]{%
20017 \setkeys{todonotes}{#1}%
20018 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20019 \par
20020 \noindent
20021 \begin{tikzpicture}
20022 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20023 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20024 \if@bidi@todonotes@figposition@right%
20025 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20026 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20027 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20028 \if@bidi@todonotes@figposition@right%
20029 \end{scope}
20030 \begin{scope}[xshift=-3.8cm]
20031 \draw (2, -0.3) node[right, text
20032 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};

```



```

20038 \if@bidi@todonotes@figposition@right%
20039 \end{scope}
20040 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20041 \fi%
20042 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20043 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20044 \if@bidi@todonotes@figposition@right%
20045 \end{scope}
20046 \fi%
20047 \end{tikzpicture}}\hfill
20048 }% Ending \missingfigure command
20049 \fi % Ending \@todonotes@ifdisabled
20050 \presetkeys%
20051     {todonotes}%
20052     {align=left,%
20053     textdirection=lefttoright,%
20054     figposition=left}{}%

```

124 File wrapfig-xetex-bidi.def

```

20055 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
20056 \let\WF@@everypar\@everypar
20057 \def\WF@putfigmaybe{%
20058 \ifinner
20059   \vskip-\parskip \global\WF@floatfalse
20060   \let\pagetotal\maxdimen % kludge flag for "not top of page"
20061 \else % outer page
20062   \@tempdima\pagedepth % save page depth
20063   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20064   \penalty\interlinepenalty % update pg. parameters
20065   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20066   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20067     \global\WF@floatfalse
20068     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20069   \else
20070     \ifdim\WF@size>\@tempdimb
20071       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20072       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20073       \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20074       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20075       \advance\dimen@.5\baselineskip
20076       \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20077         \global\WF@floatfalse \pagebreak
20078       \fi
20079     \else % \WF@info{Fits in \the\@tempdimb;}%
20080       \global\WF@floatfalse
20081     \fi\fi
20082     \vskip\@tempdima\relax % (return erased page depth)
20083 \fi
20084 \noindent

```



```

20085 \ifWF@float
20086   \WF@fltnes
20087 \else % putting here;
20088   \WF@info{Put \WF@wfname here:}%
20089   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
20090     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20091     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20092 \hbox to\z@{\% llap or rlap depending on {l} or {r}; calc effective width
20093   \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20094   \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20095   \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20096   \xdef\WF@adjlw{\the\@tempdima}%
20097   \ifnum `l=\WF@place % fig on left
20098     \if@RTL%
20099       \kern\@tempdimb \kern\columnsep
20100       \def\@tempa{\hss}% position to left of the gap
20101       \else%
20102       \hss % figure overlaps space to the left
20103       \def\@tempa{\kern\columnsep}% position to left of the gap
20104       \fi%
20105   \else % fig on right
20106     \if@RTL%
20107       \hss
20108       \@tempdima\z@
20109       \def\@tempa{\kern\columnsep}
20110       \else%
20111       \@tempdima\z@ % no left indentation
20112       \kern\@tempdimb \kern\columnsep
20113       \def\@tempa{\hss}% figure overlaps space to the right
20114       \fi%
20115   \fi
20116   \ifdim\@tempdimb<\hsize
20117     \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20118     \xdef\WF@adjtlm{\the\@tempdima}%
20119   \else
20120     \xdef\WF@wrapil{\z@ \the\hsize}%
20121     \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
20122   \fi
20123   \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20124     \global\advance\WF@size-\intextsep
20125   \else % \WF@info{Putting \WF@wfname in middle of page}%
20126     \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20127     \fi \dp\WF@box\z@ \box\WF@box \@tempa
20128   }% end \hbox to Opt
20129   \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20130 \fi}

```

125 File xcolor-xetex-bidi.def

20131 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for X



```

20132 \long\def\color@b@x#1#2#3%
20133 {\leavevmode\ifmode\else\if@RTL\beginL\fi\fi
20134 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20135 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20136 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20137 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmode\else\if@RTL\endL\fi\fi}
20138 \def\normalcolor{\let\current@color\default@color\ifmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20139 \DeclareRobustCommand\color
20140 {\ifmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]}
20141 \def\@undeclaredcolor[#1]#2%
20142 {\begingroup
20143 \let\@cls\@empty
20144 \XC@getmodclr12{#1}{#2}{}%
20145 {\ifblendcolors
20146 \ifx\colorblend\@empty\else
20147 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
20148 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
20149 \fi
20150 \fi
20151 \ifconvertcolorsU
20152 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20153 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20154 \fi
20155 \ifmaskcolors
20156 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20157 \let\@mod\XC@mmod
20158 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20159 \expandafter\XC@mul\@tmp,\@clr
20160 \fi
20161 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20162 \expandafter\endgroup\@tmp}}
20163 \def\@declaredcolor#1%
20164 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20165 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20166 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20167 \ifconvertcolorsU\XC@tsttrue\fi
20168 \fi
20169 \ifXC@tst
20170 \expandafter\XC@declaredcolor\else
20171 \expandafter\XC@declaredcolor\fi}
20172 \def\XC@undeclaredcolor#1#2%
20173 {\@ifundefinedmodel{#1}%
20174 {\c@lor@error{model `#1'}}%
20175 {\@nameuse{color@#1}\current@color{#2}}%
20176 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
20177 \XC@display}\ifmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20178 \def\XC@declaredcolor
20179 {\XC@let@Nc\XC@current@color{\string\color\XC@tmp}%
20180 \edef\current@color{\XC@current@color}%
20181 \XC@display\ifmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}

```



```

20182 \DeclareRobustCommand\bidicolor
20183 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20184 \def\@bidiundeclaredcolor[#1]#2%
20185 {\begingroup
20186 \let\@ccls\@empty
20187 \XC@getmodclr12{#1}{#2}{}%
20188 {\ifblendcolors
20189 \ifx\colorblend\@empty\else
20190 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20191 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
20192 \fi
20193 \fi
20194 \ifconvertcolorsU
20195 \edef\@tmp{\XC@tgtmod{\@mod}}%
20196 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20197 \fi
20198 \ifmaskcolors
20199 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20200 \let\@mod\XC@mmod
20201 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20202 \expandafter\XC@mul\@tmp,\@clr
20203 \fi
20204 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20205 \expandafter\endgroup\@tmp}}
20206 \def\XC@bidiundeclaredcolor#1#2%
20207 {\@ifundefinedmodel{#1}%
20208 {\c@lor@error{model `#1'}}%
20209 {\@nameuse{color@#1}\current@color{#2}%
20210 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
20211 \XC@display}}
20212 \def\@bidideclaredcolor#1%
20213 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20214 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20215 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20216 \ifconvertcolorsU\XC@tsttrue\fi
20217 \fi
20218 \ifXC@tst
20219 \expandafter\XC@bidideclaredcolor\else
20220 \expandafter\XC@bidideclaredc@lor\fi}
20221 \def\XC@bidideclaredcolor
20222 {\XC@split\XC@tmp
20223 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
20224 \expandafter\endgroup\@tmp}
20225 \def\XC@bidideclaredc@lor
20226 {\XC@let@Nc\XC@current@color{\string\color\@XC@tmp}%
20227 \edef\current@color{\XC@current@color}%
20228 \XC@display}
20229 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20230 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20231 \def\color@fb@x#1#2#3#4%

```




```

20232 {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
20233 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20234 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

126 File latex-xetex-bidi.def

```

20235 \ProvidesFile{latex-xetex-bidi.def}[2017/12/29 v1.3.2 bidi adaptations for `latex.ltx' for Xe
20236 \newcommand{\TeXeTOn}{\TeXeTstate=1 }
20237 \newcommand{\TeXeTOff}{\TeXeTstate=0 }
20238 \TeXeTOn
20239 \def\bidirTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\
20240 \let\bidio@everypar=\everypar
20241 \newtoks\bidin@everypar
20242 \bidin@everypar\expandafter{\the\bidio@everypar}
20243 \bidio@everypar{\bidirTL@everypar\the\bidin@everypar}
20244 \let\everypar=\bidin@everypar
20245 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20246 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20247 \protected\def\hboxR{\hbox\bgroup
20248 \everyhbox{%
20249 \aftergroup\egroup
20250 \everyhbox{}}%
20251 \beginR
20252 \@hboxRconstructtrue
20253 \bgroup
20254 \aftergroup\endR
20255 \aftergroup\egroup
20256 }\hbox}
20257 \protected\def\hboxL{\hbox\bgroup
20258 \everyhbox{%
20259 \aftergroup\egroup
20260 \everyhbox{}}%
20261 \beginL
20262 \@hboxRconstructfalse
20263 \bgroup
20264 \aftergroup\endL
20265 \aftergroup\egroup
20266 }\hbox}
20267 \protected\def\vboxR{\vbox\bgroup
20268 \everyvbox{%
20269 \aftergroup\egroup
20270 \everyvbox{}}%
20271 \@RTLtrue
20272 \@RTLtabtrue
20273 \bgroup
20274 \aftergroup\egroup
20275 }\vbox}
20276 \protected\def\vboxL{\vbox\bgroup
20277 \everyvbox{%
20278 \aftergroup\egroup

```



```

20279 \everyvbox{}%
20280 \@RTLfalse
20281 \@RTLtabfalse
20282 \bgroup
20283 \aftergroup\egroup
20284 }\vbox}
20285 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
20286 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
20287 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20288 \def\endLTR{\par}
20289 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20290 \def\endRTL{\par}
20291 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
20292 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
20293 \let\unsetRTL=\setLTR
20294 \let\unsetLTR=\setRTL
20295 \let\LR=\LRE
20296 \let\RL=\RLE
20297 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20298 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20299 \let\@ensure@RL=\@ensure@RTL
20300 \let\@ensure@LR=\@ensure@LTR
20301 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20302 \let\@ensure@maindir=\@ensure@dir
20303 \def\@RTL{RTL}
20304 \def\@LTR{LTR}
20305 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20306 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
20307 \let\@TeX\TeX
20308 \def\TeX{\@ensure@LTR{\@TeX}}
20309 \let\@LaTeX\LaTeX
20310 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
20311 \let\@LaTeXe\LaTeXe
20312 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
20313 \long\def\bidi@reflect@box#1{%
20314 \leavevmode
20315 \setbox\z@\hbox{#1}%
20316 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20317 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
20318 }
20319 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20320 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20321 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20322 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
20323 \let\setRL=\setRTL
20324 \let\setLR=\setLTR
20325 \let\unsetRL=\setLTR
20326 \def\bidi@tabular@RTLCases{\let\@halignto\@empty\@bidi@tabular@RTLCases}
20327 \@ifpackageloaded{array}{%
20328 \def\@bidi@tabular@RTLCases{\@RTLtabtrue%

```



```

20329 \leavevmode
20330 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
20331 \let\dollarend\endgroup
20332 \@tabarray}
20333 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20334 }{%
20335 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20336 \leavevmode \hbox \bgroup
20337 $\left.\let\@acol\@tabacol
20338 \let\@classz\@tabclassz
20339 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20340
20341 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20342 \egroup\right\rbrace $\egroup}}
20343 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20344 \ialign{##\hfil$\quad{##}\hfil\crr#1\crr}}\,\right)}
20345 \renewenvironment{RTLcases}{%
20346 \bidi@matrix@check\RTLcases\env@RTLcases
20347 }{%
20348 \endbidi@tabular@RTLcases%
20349 }
20350 \def\env@RTLcases{%
20351 \let\@ifnextchar\bidi@new@ifnextchar
20352 \def\arraystretch{1.2}%
20353 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
20354 }
20355 \def\SepMark#1{\gdef\@SepMark{#1}}
20356 \SepMark{.}
20357 \def\@thmcountersep{\@SepMark}
20358 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20359 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20360 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20361 \newcommand*{\bidi@thebibliography@font@hook}{}
20362 \def\list#1#2{%
20363 \ifnum \@listdepth >5\relax
20364 \toodeep
20365 \else
20366 \global\advance\@listdepth\@ne
20367 \fi
20368 \rightmargin\z@
20369 \listparindent\z@
20370 \itemindent\z@
20371 \csname @list\romannumeral\the\@listdepth\endcsname
20372 \def\@itemlabel{#1}%
20373 \let\makelabel\@mklab
20374 \nmbrlistfalse
20375 #2\relax
20376 \@trivlist
20377 \parskip\parsep
20378 \parindent\listparindent

```



```

20379 \advance\linewidth -\rightmargin
20380 \advance\linewidth -\leftmargin
20381 \if@bidi@list@minipage@parbox
20382 \if@RTL
20383 \advance\@totalleftmargin \leftmargin
20384 \else
20385 \advance\@totalleftmargin \rightmargin
20386 \fi
20387 \else
20388 \if@hboxRconstruct
20389 \if@bidi@list@minipage@parbox@not@nob
20390 \if@RTL
20391 \advance\@totalleftmargin \rightmargin
20392 \else
20393 \advance\@totalleftmargin \leftmargin
20394 \fi
20395 \else
20396 \if@RTL
20397 \advance\@totalleftmargin \leftmargin
20398 \else
20399 \advance\@totalleftmargin \rightmargin
20400 \fi\fi
20401 \else
20402 \if@RTL
20403 \advance\@totalleftmargin \rightmargin
20404 \else
20405 \advance\@totalleftmargin \leftmargin
20406 \fi\fi\fi
20407 \parshape \@ne \@totalleftmargin \linewidth
20408 \ignorespaces}
20409 \long\def\@iiiparbox#1#2[#3]#4#5{%
20410 \leavevmode
20411 \@pboxswfalse
20412 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
20413 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
20414 \setlength\@tempdima{#4}%
20415 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
20416 \ifx\relax#2\else
20417 \setlength\@tempdimb{#2}%
20418 \edef\@parboxto{to\the\@tempdimb}%
20419 \fi
20420 \if#1b\vbox
20421 \else\if #1t\top
20422 \else\ifmmode\center
20423 \else\@pboxswtrue $\center
20424 \fi\fi\fi
20425 \@parboxto{\let\hss\vss\let\unhbox\unvbox
20426 \csname bm@#3\endcsname}%
20427 \if@pboxsw \m@th$\fi
20428 \@end@tempboxa}

```



```

20429 \def\ bidi@lrbox#1{%
20430   \edef\reserved@a{%
20431     \endgroup
20432     \setbox#1\hbox{%
20433       \begingroup\aftergroup}%
20434     \def\noexpand\@currentenv{\@currentenv}%
20435     \def\noexpand\@currentline{\on@line}}%
20436   \reserved@a
20437   \@endpfalse
20438   \color@begingroup
20439   \ignorespaces}
20440 \def\endbidi@lrbox{\unskip\color@endgroup}
20441 \newenvironment{LTRitems}
20442   {\par\@RTLfalse\@RTLtabfalse
20443    \if@bidi@list@minipage@parbox
20444      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20445      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20446        \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20447        \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20448        \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
20449      \ignorespaces}{\vskip\z@}
20450 \newenvironment{RTLitems}
20451   {\par\@RTLtrue\@RTLtabtrue
20452    \if@bidi@list@minipage@parbox
20453      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20454      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20455        \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20456        \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20457        \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
20458      \ignorespaces}{\vskip\z@}
20459 \newenvironment{LTRbibitems}
20460   {\par\@RTLfalse\@RTLtabfalse
20461    \if@bidi@list@minipage@parbox
20462      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20463      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20464        \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20465        \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20466        \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
20467      \ignorespaces}{\vskip\z@}
20468 \newenvironment{RTLbibitems}
20469   {\par\@RTLtrue\@RTLtabtrue
20470    \if@bidi@list@minipage@parbox
20471      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20472      \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20473        \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20474        \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20475        \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
20476      \ignorespaces}{\vskip\z@}
20477 \def\raggedright{%
20478   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip

```



```

20479 \leftskip\z@skip
20480 \parindent\z@\parfillskip\z@skip}
20481 \let\bidiorig@raggedleft\raggedleft
20482 \let\bidiorig@raggedright\raggedright
20483 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidiorig@raggedright\else\if@hboxRcons
20484 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidiorig@raggedleft\else\if@hboxRcons
20485 \newcommand{\bidioraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20486 \newcommand{\bidioraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20487 \def\centerline#1{%
20488 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20489 \else\@@line{\hss#1\hss}\fi}
20490 \def\leftline#1{%
20491 \if@RTL\@@line{\beginR#1\endR\hss}
20492 \else\@@line{#1\hss}\fi}
20493 \def\rightline#1{%
20494 \if@RTL\@@line{\hss\beginR#1\endR}
20495 \else\@@line{\hss#1}\fi}
20496 \let\bidiorig@leftline\leftline
20497 \let\bidiorig@rightline\rightline
20498 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\i
20499 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\
20500 \def\bidirlap#1{\hbext@z@\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20501 \def\bidillap#1{\hbext@z@\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20502 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20503 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20504 \def\narrower{%
20505 \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20506 \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20507 \def\underline#1{%
20508 \relax
20509 \ifmmode\@@underline{#1}%
20510 \else
20511 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20512 \else
20513 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20514 \ifcompatibility
20515 \let\undertext=\underline
20516 \fi
20517 \def\@tabular{%
20518 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
20519 $\let\@acol\@tabacol
20520 \let\@classz\@tabclassz
20521 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20522 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20523 \egroup $\if@RTLtab\endR\fi\egroup}
20524 \expandafter \let \csname endtabular*\endcsname = \endtabular
20525 \def\@array[#1]#2{%
20526 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20527 \bgroup
20528 \setbox\@arstrutbox\hbox{%

```



```

20529 \vrule \@height\arraystretch\ht\strutbox
20530 \depth\arraystretch \dp\strutbox
20531 \width\z@}%
20532 \@mkpream{#2}%
20533 \edef\@preamble{%
20534 \ialign \noexpand\@halignto
20535 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20536 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20537 \let\tabularnewline\%
20538 \let\par\@empty
20539 \let\@sharp##%
20540 \set@typeset@protect
20541 \lineskip\z@skip\baselineskip\z@skip
20542 \ifhmode \@preamerr\z@ \@@par\fi
20543 \if@RTLtab\hbox\bgroup\beginR@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
20544 \@preamble}
20545 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20546 \let\@classiv\@arrayclassiv
20547 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20548 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20549 \ifnum \@lastchclass=3 5 \else
20550 \z@ \if #1c\@chnum \z@ \else
20551 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20552 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20553 \@chclass \if #1|\@ne \else
20554 \if #1@ \tw@ \else
20555 \if #1p3 \else \z@ \@preamerr 0\fi
20556 \fi \fi \fi \fi \fi \fi
20557 \fi}
20558 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20559 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20560 \def\bm@t{\unhbox\@tempboxa\hss}
20561 \def\bm@b{\hss\unhbox\@tempboxa}
20562 \def\@dottedtocline#1#2#3#4#5{%
20563 \ifnum #1>\c@tocdepth \else
20564 \vskip \z@ \@plus.2\p@
20565 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmargin}
20566 \parindent #2\relax\@afterindenttrue
20567 \interlinepenalty\@M
20568 \leavevmode
20569 \@tempdima #3\relax
20570 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
20571 {#4}\nobreak
20572 \leaders\hbox{$\m@th
20573 \mkern \dotsep mu\hbox{.}\mkern \dotsep
20574 mu$}\hfill
20575 \nobreak
20576 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20577 \par}%
20578 \fi}

```



```

20579
20580 \newcount\ bidi@column@check@number
20581
20582 \def\ bidi@column@status#1{\gdef\ bidi@current@column@status{#1}}
20583
20584 \def\ bidi@set@column@status#1#2{%
20585   \global\expandafter\let\csname #1\endcsname\ bidi@current@column@status}
20586
20587 \if@twocolumn
20588 \newcommand\DetectColumn[3][1]{%
20589   \ifx\ bidi@firstcolumn@status\write\relax
20590     \PackageError{bidi}%
20591       {Option 'DetectColumn' not selected}%
20592       {\string\DetectColumn\space
20593        requires the use of the 'DetectColumn'
20594        option on the package}%
20595   \fi
20596   \global\advance\ bidi@column@check@number\@ne
20597   \edef\ bidi@column@type{\expandafter\ifx
20598     \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
20599     0\else
20600     \csname bidi@column-\the\ bidi@column@check@number\endcsname
20601     \fi}%
20602   \ifcase \ bidi@column@type\relax
20603     \ifcase #1\or #2\or #3\fi    % 0 not known use first column as default
20604   \or
20605     #2%    % 1 First column
20606   \or
20607     #3%    % 2 Second (Last column)
20608   \else
20609     \ERROR
20610   \fi
20611   \edef\next{\write\@auxout
20612     {\string\ bidi@set@column@status{\ bidi@column-\the\ bidi@column@check@number}%
20613      {\ bidi@column@type}}}%
20614   \next
20615 }
20616
20617 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
20618   \ifnum #2=\ bidi@current@column@status\else
20619     \@tempwatrue
20620   \fi}%
20621 }
20622 \fi
20623
20624 \def\RTL@outputdblcol{%
20625   \if@firstcolumn
20626     \global\@firstcolumnfalse
20627     \global\setbox\@leftcolumn\copy\@outputbox
20628     \splitmaxdepth\maxdimen

```




```

20629 \vbadness\maxdimen
20630 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20631 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20632 \toks@\expandafter{\topmark}%
20633 \xdef\@firstcoltopmark{\the\toks@}%
20634 \toks@\expandafter{\splitfirstmark}%
20635 \xdef\@firstcolfirstmark{\the\toks@}%
20636 \ifx\@firstcolfirstmark\@empty
20637 \global\let\@setmarks\relax
20638 \else
20639 \gdef\@setmarks{%
20640 \let\firstmark\@firstcolfirstmark
20641 \let\topmark\@firstcoltopmark}%
20642 \fi
20643 \else
20644 \global\@firstcolumntrue
20645 \setbox\@outputbox\vbox{%
20646 \hb@xt@\textwidth{%
20647 \hskip \columnwidth
20648 \hfil
20649 {\normalcolor\vrule \@width\columnseprule}%
20650 \hfil
20651 \hb@xt@\columnwidth{%
20652 \bidi@firstcolumn@status@write%
20653 \box\@leftcolumn \hss}%
20654 \hskip -\textwidth
20655 \hb@xt@\columnwidth{%
20656 \bidi@lastcolumn@status@write%
20657 \box\@outputbox \hss}%
20658 \hskip \columnsep
20659 \hskip \columnwidth }}%
20660 \@combinedblfloats
20661 \@setmarks
20662 \@outputpage
20663 \begingroup
20664 \@dblfloatplacement
20665 \@startdblcolumn
20666 \@whilesw\if@fcolmade \fi{\@outputpage
20667 \@startdblcolumn}%
20668 \endgroup
20669 \fi}%
20670
20671 \def\LTR@outputdblcol{%
20672 \if@firstcolumn
20673 \global\@firstcolumnfalse
20674 \global\setbox\@leftcolumn\copy\@outputbox
20675 \splitmaxdepth\maxdimen
20676 \vbadness\maxdimen
20677 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20678 \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```



```

20679 \toks@expandafter{\topmark}%
20680 \xdef\@firstcoltopmark{\the\toks@}%
20681 \toks@expandafter{\splitfirstmark}%
20682 \xdef\@firstcolfirstmark{\the\toks@}%
20683 \ifx\@firstcolfirstmark\@empty
20684 \global\let\@setmarks\relax
20685 \else
20686 \gdef\@setmarks{%
20687 \let\firstmark\@firstcolfirstmark
20688 \let\topmark\@firstcoltopmark}%
20689 \fi
20690 \else
20691 \global\@firstcolumntrue
20692 \setbox\@outputbox\vbox{%
20693 \hb@xt@\textwidth{%
20694 \hb@xt@\columnwidth{%
20695 \bidi@firstcolumn@status@write%
20696 \box\@leftcolumn \hss}%
20697 \hfil
20698 {\normalcolor\vrule \@width\columnseprule}%
20699 \hfil
20700 \hb@xt@\columnwidth{%
20701 \bidi@lastcolumn@status@write%
20702 \box\@outputbox \hss}}}%
20703 \@combinedblfloats
20704 \setmarks
20705 \outputpage
20706 \begingroup
20707 \dblfloatplacement
20708 \startdblcolumn
20709 \@whilesw\if@colmade \fi{\@outputpage
20710 \startdblcolumn}%
20711 \endgroup
20712 \fi}%
20713
20714
20715 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
20716 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
20717 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
20718 \def\LTRmarginpar{%
20719 \ifhmode
20720 \bsphack
20721 \floatpenalty -\@Mii
20722 \else
20723 \floatpenalty-\@Miii
20724 \fi
20725 \ifinner
20726 \parmoderr
20727 \floatpenalty\z@
20728 \else

```



```

20729 \@next\@currbox\@freelist{ }{}%
20730 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20731 {\@floatpenalty\z@
20732 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20733 \fi
20734 \@ifnextchar [\@LTRxmpar\@LTRympar}
20735 \long\def\@LTRxmpar[#1]#2{%
20736 \@LTRsavemarbox\@marbox{#1}%
20737 \@LTRsavemarbox\@currbox{#2}%
20738 \@xympar}
20739 \long\def\@LTRympar#1{%
20740 \@LTRsavemarbox\@marbox{#1}%
20741 \global\setbox\@currbox\copy\@marbox
20742 \@xympar}
20743 \long\def \@LTRsavemarbox #1#2{%
20744 \global\setbox #1%
20745 \color@vbox
20746 \vtop{%
20747 \hsize\marginparwidth
20748 \@parboxrestore
20749 \@LTRmarginparreset
20750 #2%
20751 \@minipagefalse
20752 \outer@nobreak
20753 }%
20754 \color@endbox
20755 }
20756 \def \@LTRmarginparreset {%
20757 \reset@font
20758 \normalsize
20759 \@minipagetrue
20760 \everypar{\@minipagefalse\everypar{}\beginL}%
20761 }
20762 \def\RTLmarginpar{%
20763 \ifhmode
20764 \@bsphack
20765 \@floatpenalty -\@Mii
20766 \else
20767 \@floatpenalty-\@Miii
20768 \fi
20769 \ifinner
20770 \@parmoderr
20771 \@floatpenalty\z@
20772 \else
20773 \@next\@currbox\@freelist{ }{}%
20774 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20775 {\@floatpenalty\z@
20776 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20777 \fi
20778 \@ifnextchar [\@RTLxmpar\@RTLympar}

```



```

20779 \long\def\@RTLxmpar[#1]#2{%
20780   \@RTLSavemarbox\@marbox{#1}%
20781   \@RTLSavemarbox\@currbox{#2}%
20782   \@xympar}
20783 \long\def\@RTLympar#1{%
20784   \@RTLSavemarbox\@marbox{#1}%
20785   \global\setbox\@currbox\copy\@marbox
20786   \@xympar}
20787 \long\def \@RTLSavemarbox #1#2{%
20788   \global\setbox #1%
20789     \color@vbox
20790     \vtop{%
20791       \hsize\marginparwidth
20792       \@parboxrestore
20793       \@RTLmarginparreset
20794       #2%
20795       \@minipagefalse
20796       \outer@nobreak
20797     }%
20798   \color@endbox
20799 }
20800 \def \@RTLmarginparreset {%
20801   \reset@font
20802   \normalsize
20803   \@minipagetrue
20804   \everypar{\@minipagefalse\everypar{}\beginR}%
20805 }
20806 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
20807   \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
20808   \if@twocolumn
20809     \if@firstcolumn \@tempcnta\m@ne \fi
20810   \else
20811     \if@mparswitch
20812       \ifodd\c@page \else\@tempcnta\m@ne \fi
20813     \fi
20814     \if@reversemargin \@tempcnta -\@tempcnta \fi
20815   \fi
20816   \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
20817   \@tempdima\@mparbottom
20818   \advance\@tempdima -\@pageht
20819   \advance\@tempdima\ht\@marbox
20820   \ifdim\@tempdima >\z@
20821     \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
20822   \else
20823     \@tempdima\z@
20824   \fi
20825   \global\@mparbottom\@pageht
20826   \global\advance\@mparbottom\@tempdima
20827   \global\advance\@mparbottom\dp\@marbox
20828   \global\advance\@mparbottom\marginparpush

```



```

20829 \advance\@tempdima -\ht\@marbox
20830 \global\setbox \@marbox
20831 \vbox {\vskip \@tempdima
20832 \box \@marbox}%
20833 \global \ht\@marbox \z@
20834 \global \dp\@marbox \z@
20835 \kern -\@pagedp
20836 \nointerlineskip
20837 \hb@xt@\columnwidth
20838 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
20839 \hskip\columnwidth \hskip\marginparsep
20840 \else
20841 \hskip -\marginparsep \hskip -\marginparwidth
20842 \fi
20843 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
20844 \nointerlineskip
20845 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
20846 \long\def\@ympar#1{%
20847 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
20848 \global\setbox\@currbox\copy\@marbox
20849 \@xympar}
20850 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
20851 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
20852 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
20853 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
20854 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
20855 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
20856 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
20857 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
20858 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%
20859 \fi}
20860
20861 \newcommand*{\bidi@font@@@outputpage}{\}
20862
20863 \def\@outputpage{%
20864 \begingroup % the \endgroup is put in by \aftergroup
20865 \let \protect \noexpand
20866 \@resetactivechars
20867 \global\let\@if@newlist\if@newlist
20868 \global\@newlistfalse
20869 \@parboxrestore
20870 \shipout \vbox{%
20871 \set@typeset@protect
20872 \aftergroup \endgroup
20873 \aftergroup \set@typeset@protect
20874 % correct? or just restore by ending
20875 % the group?
20876 \if@specialpage
20877 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
20878 \fi

```



```

20879 \if@twoside
20880 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
20881 \if@RTLmain
20882 \let\@themargin\evensidemargin
20883 \else
20884 \let\@themargin\oddsidemargin
20885 \fi
20886 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
20887 \if@RTLmain
20888 \let\@themargin\oddsidemargin
20889 \else
20890 \let\@themargin\evensidemargin
20891 \fi
20892 \fi
20893 \ifx\@thehead\@empty \let\@thehead\hfil \fi
20894 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
20895 \else %% not @twoside
20896 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
20897 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
20898 \fi
20899 \reset@font
20900 \normalsize
20901 \bidi@font@@outputpage
20902 \normalsfcodes
20903 \let\label\@gobble
20904 \let\index\@gobble
20905 \let\glossary\@gobble
20906 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
20907 \@beginndvi
20908 \vskip \topmargin
20909 \moveright\@themargin \vbox {%
20910 \setbox\@tempboxa \vbox to\headheight{%
20911 \vfil
20912 \color@hbox
20913 \normalcolor
20914 \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
20915 \color@endbox
20916 }% %% 22 Feb 87
20917 \dp\@tempboxa \z@
20918 \box\@tempboxa
20919 \vskip \headsep
20920 \box\@outputbox
20921 \ifvoid\@bidi@copyins@
20922 \else
20923 \vskip\skip\@bidi@copyins@
20924 \unvbox\@bidi@copyins@
20925 \fi
20926 \baselineskip \footskip
20927 \color@hbox
20928 \normalcolor

```



```

20929      \hb@xt@{\textwidth}{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
20930      \color@endbox
20931      }%
20932    }%
20933    \global\let\if@newlist\@if@newlist
20934    \global \colht \textheight
20935    \stepcounter{page}%
20936    \let\firstmark\botmark
20937  }
20938  \long\def\@makecaption#1#2{%
20939    \vskip\abovecaptionskip
20940    \sbox\@tempboxa{#1: #2}%
20941    \ifdim \wd\@tempboxa >\hsize
20942      \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
20943    \else
20944      \global \@minipagefalse
20945      \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
20946    \fi
20947    \vskip\belowcaptionskip}
20948  \let\@bidi@saved@eqno=\eqno
20949  \let\@bidi@saved@leqno=\leqno
20950  \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
20951  \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
20952  \@ifpackageloaded{amsmath}{}{}
20953  \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
20954  }
20955  \input{footnote-xetex-bidi.def}
20956  \if@twocolumn
20957    \let\autofooterule\relax
20958    \let\leftfootnoterule\relax
20959    \let\rightfootnoterule\relax
20960    \textwidthfootnoterule
20961  \fi
20962  \if@bidi@csubdef{\@idxitem}{}{}
20963  \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p{}}
20964  }
20965  \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
20966  \@ifclassloaded{article}{\@ifclassloaded{svmult}}{}{\input{article-xetex-bidi.def}}{}
20967  \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
20968  \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
20969  \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
20970  \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
20971  \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
20972  \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
20973  \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
20974  \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
20975  \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
20976  \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
20977  \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
20978  \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{}{\input{report-xetex-bidi.def}}{}

```



```

20979 \ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
20980 \ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
20981 \ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
20982 \ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
20983 \ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
20984 \ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
20985 \ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
20986 \ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
20987 \ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
20988 \ifclassloaded{book}{\ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
20989 \ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
20990 \ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
20991 \ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
20992 \ifpackageloaded{amsmath}{}%
20993 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
20994 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
20995 }
20996 \ifpackageloaded{mathtools}{%
20997   \RequirePackage{graphicx}%
20998   \input{mathtools-xetex-bidi.def}%
20999 }{}
21000 \ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21001 \ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21002 \ifpackageloaded{floatrow}{\RequirePackage{color}}{}
21003 \ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21004 \ifpackagewith{algorithm2e}{algonl}{%
21005   \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{Al
21006 }}{}
21007 \ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21008 \ifpackagewith{algorithm2e}{algochapter}{\renewcommand{\algocf@within}{chapter}}{}
21009 \ifpackagewith{algorithm2e}{algosection}{\renewcommand{\algocf@within}{section}}{}
21010 \ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21011 \ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21012 \ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21013 \ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
21014 \ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
21015 \ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
21016 \ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
21017 \ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21018 \ifpackageloaded{crop}{\ifclassloaded{memoir}}{\input{crop-xetex-bidi.def}}{}
21019 \ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
21020 \ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21021 \ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
21022 \ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
21023 \ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21024 \ifpackageloaded{float}{\ifpackageloaded{floatrow}}{\input{float-xetex-bidi.def}}{}
21025 \ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21026 \ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21027 \ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21028 \ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}

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21029 \ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21030 \ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
21031 \ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21032 \ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21033 \ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21034 \ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21035 \ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
21036 \ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21037 \ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21038 \ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21039 \ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21040 \ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21041 \ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21042 \ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21043 \ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21044 \ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21045 \ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21046 \ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21047 \ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
21048 \ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
21049 \ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21050 \ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21051 \ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21052 \ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
21053 \ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21054 \iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21055 \iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21056 \ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21057 \ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21058 \ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21059 \ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21060 \ifpackagewith{sidecap}{innercaption}{%
21061 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21062 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
21063 \renewcommand*{\SC@justify@caption{%
21064 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21065 \renewcommand*{\SC@FLOAT}[2]{%
21066 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
21067 \renewcommand*{\SC@justify@caption{%
21068 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21069 }{}
21070 \ifpackagewith{sidecap}{rightcaption}{%
21071 \if@RTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21072 \def\SC@justify@caption{\RaggedLeft}\else%
21073 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21074 \def\SC@justify@caption{\RaggedRight}\fi%
21075 }{}
21076 \ifpackagewith{sidecap}{leftcaption}{%
21077 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21078 \def\SC@justify@caption{\RaggedRight}\else%

```



```

21079 \renewcommand*{\SC@FLOAT}[2]{\#1\hspace{\sidecaptionsep}{\#2}}
21080 \def\SC@justify@caption{\RaggedLeft}\fi%
21081 }{}
21082 \ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21083 \ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21084 \ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21085 \ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21086 \ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21087 \ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21088 \ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
21089 \ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
21090 \ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
21091 \ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
21092 \ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
21093 \ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
21094 \ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
21095 \ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21096 \ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
21097 \ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
21098 \ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
21099 \ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
21100 \ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
21101 \ifpackageloaded{tocbibind}{\ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
21102 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
21103 \ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21104 \ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

127 File xltextra-xetex-bidi.def

```

21105 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
21106 \let\@XeTeX\XeTeX
21107 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21108 \let\@XeLaTeX\XeLaTeX
21109 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

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