



The bidi Package

Source documentation for version 36.7

to my Master, *Ferdowsi The Great*

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

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

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

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

<https://github.com/tex-persian/bidi/discussions>

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

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The *bidi* Package

Bidirectional typesetting in plain $\text{T}_{\text{E}}\text{X}$ and \LaTeX , using $\text{XeT}_{\text{E}}\text{X}$ engine

Source documentation for version 36.7

Vafa Khalighi*
tex-persian@vafa.ac

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

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

```



```

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

```



```

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

```

2 File adjmulticol-xetex-bidi.def

```

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

```



```

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

```

3 File algorithm2e-xetex-bidi.def

```

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

```

4 File amsbook-xetex-bidi.def

```

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

```




```

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

```



```

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

```



```

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

```

5 File amsmath-xetex-bidi.def

```

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

```

6 File amstext-xetex-bidi.def

```

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

```

7 File amsthm-xetex-bidi.def

```

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

```

8 File array-xetex-bidi.def

```

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

```



```

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

```



9 File article-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```

10 File artikel1-xetex-bidi.def

```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

11 File artikel2-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

1104 \vskip 1.5em}
1105 \fi

```

12 File artikel3-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

13 File arydshln-xetex-bidi.def

```

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

```



```

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

```



```

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

```




```

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

```

14 File bidi.sty

```

1501 \NeedsTeXFormat{LaTeX2e}
1502 \def\bididate{2022/02/18}
1503 \def\bidi@version{36.7}
1504 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\space
1505 Bidirectional typesetting in plain TeX and LaTeX]
1506 \edef\@bidi@info{*****~J%
1507 * ~J%
1508 * bidi package (Bidirectional typesetting in~J%
1509 * plain TeX and LaTeX, using XeTeX engine)~J%
1510 * ~J%
1511 * Description: A convenient interface for~J%
1512 * typesetting bidirectional texts in plain TeX~J%
1513 * and LaTeX. The package includes adaptations~J%
1514 * for use with many other commonly-used packages.~J%
1515 * ~J%
1516 * Copyright (c) 2007--2022 Vafa Khalighi~J%
1517 * Copyright (c) 2018--2020 bidi-tex GitHub organization~J%
1518 * ~J%
1519 * v\bidi@version, \bididate~J%
1520 * ~J%
1521 * License: LaTeX Project Public License, version~J%
1522 * 1.3c or higher (your choice)~J%
1523 * ~J%
1524 * Location on CTAN: /macros/xetex/latex/bidi~J%
1525 * ~J%
1526 * Issue tracker: https://github.com/tex-persian/bidi/issues~J%

```



```

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

```



```

1581 \newif\if@RTLcolumnfootnotes
1582 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1583 \newif\if@bidi@list@minipage@parbox
1584 \newif\if@bidi@list@minipage@parbox@not@nob
1585 \newcommand*{\@bidi@pdfcreator}{%
1586   The bidi package, v\bidi@version, \bididate
1587 }
1588 \newcommand*{\@bidi@pdfproducer}{%
1589   The bidi package, v\bidi@version, \bididate
1590 }
1591 \newcommand*{\@bidi@pdfcustomproperties}{%
1592   This is the bidi package, Version \bidi@version,
1593   Released February 18, 2022.
1594 }
1595 \RTLmainfalse
1596 \AtBeginDocument{%
1597   \if@RTLmain\else
1598     \if@RTL\@RTLmaintrue%
1599     \else\@RTLmainfalse%
1600     \fi%
1601   \fi%
1602 }
1603 \let\n@xt=\
1604 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1605 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1606 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1607 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1608 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1609   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1610 \newinsert\@bidi@copyins@
1611 \skip\@bidi@copyins@=12\p@
1612 \dimen\@bidi@copyins@=40pc
1613 \count\@bidi@copyins@=1000
1614 \newcommand*{\@bidi@inslogo}{\insert\@bidi@copyins@{\@bidi@logo}}
1615 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
1616   \if@RTLmain
1617     \if@twocolumn
1618       \hboxR to \columnwidth
1619     \else
1620       \hboxR to \textwidth
1621     \fi
1622   \else
1623     \if@twocolumn
1624       \hboxL to \columnwidth
1625     \else
1626       \hboxL to \textwidth
1627     \fi
1628   \fi
1629 }
1630 \newcommand*{\@bidi@logo}[1]{%
1631   \toks@{%
1632     \setbox\z@\hbox{%
1633       \special{%
1634         pdf:image width 50pt height 50pt (#1)%

```



```

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

```



```

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

```



```

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

```



```

1797 \ifx\bidipdfencrypt@ownerpassword\bidipdfempty
1798 \ifx\bidipdfencrypt@userpassword\bidipdfempty
1799 \@bidipdfencryptfalse
1800 \else
1801 \@bidipdfencrypttrue
1802 \fi
1803 \else
1804 \@bidipdfencrypttrue
1805 \fi
1806 \if@bidipdfencrypt
1807 \special{pdf:encrypt
1808 userpw (\bidipdfencrypt@userpassword)
1809 ownerpw (\bidipdfencrypt@ownerpassword)
1810 length \bidipdfencrypt@keylength
1811 perm \bidipdfencrypt@permissionflags
1812 }%
1813 \fi
1814 }
1815 \AtEndDocument{%
1816 \special{pdf:
1817 docinfo<<%
1818 \if@bidipdfmark
1819 /Creator(\@bidipdfcreator)%
1820 /Producer(\@bidipdfproducer)%
1821 \fi
1822 /BIDI.Fullbanner(\@bidipdfcustomproperties)%
1823 \if@bidicsdef{\xepersian@pdfcustomproperties}{%
1824 /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
1825 }{}%
1826 >>%
1827 }%
1828 }

```

15 File bidi.tex

```

1829 \def\bididate{2022/02/18}
1830 \catcode`@=11
1831 \def\bidiversion{36.7}
1832 \let \protect \relax
1833 \newlinechar`^^J
1834 \edef\@bidi@info{*****^^J%
1835 * ^^J%
1836 * bidi package (Bidirectional typesetting in^^J%
1837 * plain TeX and LaTeX, using XeTeX engine)^^J%
1838 * ^^J%
1839 * Description: A convenient interface for^^J%
1840 * typesetting bidirectional texts in plain TeX^^J%
1841 * and LaTeX. The package includes adaptations^^J%
1842 * for use with many other commonly-used packages.^^J%
1843 * ^^J%
1844 * Copyright (c) 2007--2022 Vafa Khalighi^^J%
1845 * Copyright (c) 2018--2020 bidi-tex GitHub organization^^J%
1846 * ^^J%
1847 * v\bidiversion, \bididate^^J%

```



```

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

```




```

1902 \def\@bidi@logo@hb@xt@{%
1903   \if@RTLmain
1904     \hboxR to
1905   \else
1906     \hboxL to
1907   \fi
1908 }
1909 \def\@bidi@logo#1{%
1910   \toks@{%
1911     \setbox\z@\hbox{%
1912       \special{%
1913         pdf:image width 50pt height 50pt (#1)%
1914       }
1915     }%
1916     \dp\z@\z@
1917     \ht\z@=50pt
1918     \wd\z@=50pt
1919     \beginL
1920     \lower20pt\box\z@
1921     \endL
1922   }%
1923   \the\toks@
1924 }
1925 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@logo@}}
1926 \def\nobidilogo{\let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty}
1927 \def\@bidi@pdfcreator{%
1928   The bidi package, v\@bidi@version, \@bididate
1929 }
1930 \def\@bidi@pdfproducer{%
1931   The bidi package, v\@bidi@version, \@bididate
1932 }
1933 \def\@bidi@pdfcustomproperties{%
1934   This is the bidi package, Version \@bidi@version,
1935   Released February 18, 2022.
1936 }
1937 \def\bidi@pdfm@mark{%
1938   \special{pdf:%
1939     docinfo<<%
1940     \if\bidi@pdfm@mark
1941       /Creator(\@bidi@pdfcreator)%
1942       /Producer(\@bidi@pdfproducer)%
1943     \fi
1944     /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1945     >>%
1946   }%
1947 }
1948 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
1949 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
1950 \input plain-xetex-bidi.def
1951 \@bidi@inslogo@
1952 \outer\def\bye{\par\vfill\supereject\bidi@pdfm@mark\end}
1953 \catcode`\@=12
1954 \bidipdfinfoon

```



16 File bidi2in1.sty

```
1955 \NeedsTeXFormat{LaTeX2e}
1956 \ProvidesPackage{bidi2in1}
1957 \pagestyle{plain}
1958 \newcount\evenpage
1959 \newcount\oddpag
1960 \twocolumn
1961 \def\@oddfoot{\evenpage=\thepage%
1962 \multiply\evenpage by 2%
1963 \oddpag=\the\evenpage%
1964 \advance\oddpag by -1%
1965 \hfil\the\evenpage\hfil\hfil\the\oddpag\hfil}%
1966 \def\@evenfoot{\evenpage=\thepage%
1967 \multiply\evenpage by 2%
1968 \oddpag=\the\evenpage%
1969 \advance\oddpag by -1%
1970 \hfil\the\oddpag\hfil\hfil\the\evenpage\hfil}%
1971 \textwidth 9.49in
1972 \textheight 6.7in
1973 \columnsep 0.9in
1974 \columnseprule 0.125pt
1975 \headheight 0cm
1976 \topmargin 0in
1977 \marginparwidth 0in
1978 \marginparsep 0in
1979 \hoffset 0.05in % Corrected
1980 \voffset -0.5in %top margin space is 1.0in by default
1981 \oddsidemargin 0in
1982 \evensidemargin 0in
1983 \headsep 0cm
1984 \topskip 0cm
1985 \parskip 0.15in %
1986 \headsep 0pt
1987 \special{papersize=11.69in,8.26in}
1988 \renewcommand\maketitle{\par
1989 \begingroup
1990 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1991 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1992 \long\def\@makefntext##1{\parindent 1em\noindent
1993 \hb@xt@1.8em{%
1994 \hss\@textsuperscript{\normalfont\@thefnmark}}\##1}%
1995 \@maketitle
1996 \@thanks
1997 \endgroup
1998 \setcounter{footnote}{0}%
1999 \global\let\thanks\relax
2000 \global\let\maketitle\relax
2001 \global\let\@maketitle\relax
2002 \global\let\@thanks\@empty
2003 \global\let\@author\@empty
2004 \global\let\@date\@empty
2005 \global\let\@title\@empty
2006 \global\let\title\relax
```



```

2007 \global\let\author\relax
2008 \global\let\date\relax
2009 \global\let\and\relax
2010 }

```

17 File bidicode.sty

```

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

```



```

2058 \newcommand\Larg [1]{\normalfont\itshape#1\/\}}
2059 \newcommand\Larga[1]{\langle$\Larg{#1}$\rangle$}
2060 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2061 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2062 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
2063 \newcommand\LBEG[1]{\normalfont\ttfamily\bs{}begin\lcb#1\rcb}}
2064 \newcommand\LEND[1]{\normalfont\ttfamily\bs{}end\lcb#1\rcb}}
2065
2066 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
2067 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`\{}}
2068 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`\}}
2069 \DeclareRobustCommand\lsb{\normalfont\ttfamily\{}}
2070 \DeclareRobustCommand\rsb{\normalfont\ttfamily\}}
2071 \DeclareRobustCommand\lrb{\normalfont\ttfamily\{}}
2072 \DeclareRobustCommand\rrb{\normalfont\ttfamily\}}
2073
2074 \def\Lcs#1{\nxLcs{#1}}
2075 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2076 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2077
2078 \def\Coordx#1{$x_{#1}$}
2079 \def\Coordy#1{$y_{#1}$}
2080 \def\Coordz#1{$z_{#1}$}
2081 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2082 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2083 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2084 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
2085 \def\CIIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2086 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2087 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2088 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2089 \def\coordx#1{($x_{#1}$)}
2090 \def\coordy#1{($y_{#1}$)}
2091 \def\coordz#1{($z_{#1}$)}
2092 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
2093 \def\ciiiiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
2094
2095 \newsavebox{\boxdef}
2096 \newenvironment{BDef}
2097   {\begin{lrbox}\boxdef
2098     \def\arraystretch{1.0}
2099     \begin{tabular}{@{}l@{}l@{}l@{}}
2100   }
2101   {\end{tabular}\end{lrbox}}
2102
2103   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2104   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2105   }
2106
2107 \newenvironment{BDef*}
2108   {\begin{lrbox}\boxdef
2109     \def\arraystretch{1.0}
2110     \begin{tabular}{@{}l@{}l@{}l@{}}
2111   }

```



```

2112 {\end{tabular}}\end{lrbox}
2113 {\begin{BCmd*}}\fbox{\usebox\boxdef}\end{BCmd*}}
2114 \aftergroup\@afterindentfalse\aftergroup\@afterheading
2115 }
2116 \newenvironment{BCmd}{
2117 \@beginparpenalty-\@lowpenalty
2118 \topsep\BDefaboveskip
2119 \fboxsep3pt
2120 \flushleft}
2121 {\@endparpenalty\@M
2122 \topsepadd\BDefbelowskip
2123 \endflushleft}
2124
2125 \newenvironment{BCmd*}{
2126 \@beginparpenalty\@M
2127 \topsep\BDefinlineskip
2128 \fboxsep3pt
2129 \flushleft}
2130 {\@endparpenalty5000
2131 \endflushleft}
2132
2133 \newskip\BDefaboveskip
2134 \newskip\BDefbelowskip
2135 \newskip\BDefinlineskip
2136 \setlength\BDefaboveskip{10pt plus 4pt}
2137 \setlength\BDefbelowskip{6pt}
2138 \setlength\BDefinlineskip{6pt}
2139
2140 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2141 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2142 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2143 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

18 File bidiftnxtra.sty

```

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

```



```

2163 \expandafter\FN@sff@RTLfootnote
2164 \else
2165 \expandafter\FN@sff@gobble@opt
2166 \fi
2167 }
2168 \edef\FN@sff@gobble@opt{\noexpand\protect
2169 \expandafter\noexpand\csname FN@sff@gobble@opt \endcsname}
2170 \expandafter\def\csname FN@sff@gobble@opt \endcsname{%
2171 \ifnextchar[%]
2172 \FN@sff@gobble@twobrace
2173 \@gobble
2174 }
2175 \def\FN@sff@gobble@twobrace[#1]#2{%
2176 \let\FN@sff@footnotemark\footnotemark
2177 \def\footnotemark{\ifx\protect\@typeset@protect
2178 \expandafter\FN@sff@footnotemark
2179 \else
2180 \expandafter\FN@sff@gobble@optonly
2181 \fi
2182 }
2183 \edef\FN@sff@gobble@optonly{\noexpand\protect
2184 \expandafter\noexpand\csname FN@sff@gobble@optonly \endcsname}
2185 \expandafter\def\csname FN@sff@gobble@optonly \endcsname{%
2186 \ifnextchar[%]
2187 \FN@sff@gobble@brace
2188 }%
2189 }
2190 \def\FN@sff@gobble@brace[#1]{%
2191 \def\@tabular{%
2192 \leavevmode \hbox \bgroup
2193 \let\@footnotetext\@bidi@p@ftntext
2194 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2195 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2196 \let\@xfootnotenext\@bidi@p@xftntext
2197 \let\@xfootnote\@bidi@p@xfootnote
2198 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2199 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2200 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2201 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2202 \if@RTLtab\beginR \fi
2203 $\let\@acol\@tabacol
2204 \let\@classz\@tabclassz
2205 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
2206 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2207 \egroup $\if@RTLtab\endR\fi\egroup
2208 \ifx\@captive\@undefined
2209 \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2210 \long\def\@bidi@p@ftntext#1{%
2211 \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2212 \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2213 \long\def\@bidi@p@LTRftntext#1{%
2214 \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2215 \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2216 \long\def\@bidi@p@RTLftntext#1{%

```



```

2217 \edef\@tempyii{\the\bidip@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}}%
2218 \global\bidip@ftn\expandafter{\@tempyii{#1}}}%
2219
2220
2221 \long\def\bidip@xftntext[#1]#2{%
2222 \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}}
2223
2224 \long\def\bidip@xLTRftntext[#1]#2{%
2225 \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}}
2226
2227 \long\def\bidip@xRTLftntext[#1]#2{%
2228 \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}}
2229
2230
2231 \def\bidip@xfootnote[#1]{%
2232 \begingroup
2233 \csname c@\mpfn\endcsname #1\relax
2234 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2235 \endgroup
2236 \@footnotemark\bidip@xftntext[#1]}
2237
2238
2239 \def\bidip@xLTRfootnote[#1]{%
2240 \begingroup
2241 \csname c@\mpfn\endcsname #1\relax
2242 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2243 \endgroup
2244 \@footnotemark\bidip@xLTRftntext[#1]}
2245
2246
2247 \def\bidip@xRTLfootnote[#1]{%
2248 \begingroup
2249 \csname c@\mpfn\endcsname #1\relax
2250 \unrestored@protected@xdef\@thefnmark{\thempfn}%
2251 \endgroup
2252 \@footnotemark\bidip@xRTLftntext[#1]}
2253
2254 \def\@xfloat #1[#2]{%
2255 \@nodocument
2256 \def \@captype {#1}%
2257 \def \@fps {#2}%
2258 \@onelevel@sanitize \@fps
2259 \def \reserved@b {!}%
2260 \ifx \reserved@b \@fps
2261 \@fpsadddefault
2262 \else
2263 \ifx \@fps \@empty
2264 \@fpsadddefault
2265 \fi
2266 \fi
2267 \ifhmode
2268 \@bsphack
2269 \@floatpenalty -\@Mii
2270 \else

```



```

2271 \floatpenalty-\@Miii
2272 \fi
2273 \ifinner
2274 \parmoderr\floatpenalty\z@
2275 \else
2276 \next\@currbox\@freelist
2277 {%
2278 \tempcnta \sixt@@n
2279 \expandafter \tfor \expandafter \reserved@a
2280 \expandafter :\expandafter =\@fps
2281 \do
2282 {%
2283 \if \reserved@a h%
2284 \ifodd \tempcnta
2285 \else
2286 \advance \tempcnta \@ne
2287 \fi
2288 \fi
2289 \if \reserved@a t%
2290 \setfpsbit \tw@
2291 \fi
2292 \if \reserved@a b%
2293 \setfpsbit 4%
2294 \fi
2295 \if \reserved@a p%
2296 \setfpsbit 8%
2297 \fi
2298 \if \reserved@a !%
2299 \ifnum \tempcnta>15
2300 \advance\tempcnta -\sixt@@n\relax
2301 \fi
2302 \fi
2303 }%
2304 \tempcntb \csname ftype@\@c@type \endcsname
2305 \multiply \tempcntb \xxxii
2306 \advance \tempcnta \tempcntb
2307 \global \count\@currbox \tempcnta
2308 }%
2309 \@fltovf
2310 \fi
2311 \global \setbox\@currbox
2312 \color@vbox
2313 \normalcolor
2314 \vbox \bgroup
2315 \let\@footnotetext\@bidi@p@ftntext
2316 \let\@LTRfootnotetext\@bidi@p@LTRftntext
2317 \let\@RTLfootnotetext\@bidi@p@RTLftntext
2318 \let\@xfootnotenext\@bidi@p@xftntext
2319 \let\@xfootnote\@bidi@p@xfootnote
2320 \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2321 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2322 \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2323 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2324 \hsize\columnwidth

```




```

2325      \@parboxrestore
2326      \@floatboxreset
2327 }
2328 \def \@endfloatbox{%
2329     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2330     \@minipagefalse
2331     \outer@nobreak
2332     \egroup                %% end of vbox
2333     \global\bidip@ftn\expandafter{\expandafter}\the\bidip@ftn
2334     \color@endbox
2335 }

```

19 File `bidimoderncv.cls`

```

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

```



```

2376 \addtolength{\oddsidemargin}{-54pt}
2377 \addtolength{\textwidth}{109pt}
2378 \addtolength{\topmargin}{-70pt}
2379 \addtolength{\textheight}{122pt}
2380 \addtolength{\marginparsep}{-5pt}
2381 \addtolength{\marginparwidth}{-10pt}
2382 \RequirePackage{url}
2383 \RequirePackage{hyperref}
2384 \hypersetup{%
2385   breaklinks,
2386   baseurl      = http://,%
2387   pdfborder    = 0 0 0,%
2388   pdfpagemode  = UseNone,%
2389   pdfstartpage = 1}
2390 \AtEndOfClass{%
2391   \AtBeginDocument{%
2392     \hypersetup{%
2393       pdfauthor      = \@firstname~\@familyname,%
2394       pdftitle       = \@title,%
2395       pdfsubject     = \@firstname~\@familyname,%
2396       pdfkeywords    = \@resumename~\@firstname~\@familyname}}}
2397 \urlstyle{tt}
2398 \RequirePackage{fancyhdr}
2399 \fancypagestyle{plain}{%
2400   \renewcommand{\headrulewidth}{0pt}
2401   \renewcommand{\footrulewidth}{0pt}
2402   \fancyhf{}}
2403 \pagestyle{plain}
2404 \setlength\lineskip{1\p@}
2405 \setlength\normallineskip{1\p@}
2406 \renewcommand\baselinestretch{}
2407 \setlength{\parindent}{0pt}
2408 \setlength{\parskip}{0pt}
2409 \setlength\columnsep{10\p@}
2410 \setlength\columnseprule{0\p@}
2411 \pagestyle{empty}
2412 \pagenumbering{arabic}
2413 \raggedbottom
2414 \onecolumn
2415 \providecommand*\listitemsymbol{\textbullet}
2416 \providecommand*\addresssymbol{}
2417 \providecommand*\mobilesymbol{\Mobilefone}
2418 \providecommand*\phonesymbol{\Telefon}
2419 \providecommand*\faxsymbol{\FAX}
2420 \providecommand*\emailsymbol{\Letter}
2421 \definecolor{firstnamecolour}{rgb}{0,0,0}
2422 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2423 \def\familynamecolour#1{\gdef\@familynamecolour{\addfontfeature{Color=#1}}}
2424 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2425 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2426 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2427 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2428 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2429 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}

```



```

2430 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2431 \providecommand*\{firstnamefont}\{}
2432 \providecommand*\{familynamefont}\{}
2433 \providecommand*\{titlefont}\{}
2434 \providecommand*\{addressfont}\{}
2435 \providecommand*\{quote\font}\{}
2436 \providecommand*\{sectionfont}\{}
2437 \providecommand*\{subsectionfont}\{}
2438 \providecommand*\{hintfont}\small}
2439 \providecommand*\{firstnamestyle}[1]{\{firstnamefont\@firstnamecolour#1}}
2440 \providecommand*\{familynamestyle}[1]{\{familynamefont\@familynamecolour#1}}
2441 \providecommand*\{titlestyle}[1]{\{titlefont\@titlecolour#1}}
2442 \providecommand*\{addresstyle}[1]{\{addressfont\@addresscolour#1}}
2443 \providecommand*\{quotestyle}[1]{\{quote\font\@quotecolour#1}}
2444 \providecommand*\{sectionstyle}[1]{\{sectionfont\@sectiontitlecolour#1}}
2445 \providecommand*\{subsectionstyle}[1]{\{subsectionfont\@subsectioncolour#1}}
2446 \providecommand*\{hintstyle}[1]{\{hintfont\@hintcolour#1}}
2447 \newcommand*\{cvtheme}[2][{}]{
2448   \def\@cvtheme{#2}
2449   \def\@cvthemeoptions{#1}}
2450 \cvtheme{bidi-casual}
2451 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2452 \newcommand*\{resumename}[1]{\def\@resumename{#1}}
2453 \newcommand*\{firstname}[1]{\def\@firstname{#1}}
2454 \newcommand*\{familyname}[1]{\def\@familyname{#1}}
2455 \renewcommand*\{title}[1]{\def\@title{#1}}
2456 \newcommand*\{address}[1]{\def\@address{#1}}
2457 \newcommand*\{mobile}[1]{\def\@mobile{#1}}
2458 \newcommand*\{phone}[1]{\def\@phone{#1}}
2459 \renewcommand*\{fax}[1]{\def\@fax{#1}}
2460 \newcommand*\{email}[1]{\def\@email{#1}}
2461 \newcommand*\{extrainfo}[1]{\def\@extrainfo{#1}}
2462 \def\@photowidth{0pt}
2463 \newcommand*\{photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2464 \newcommand*\{quote}[1]{\def\@quote{#1}}
2465 \newlength{\quotewidth}
2466 \newlength{\hintscolumnwidth}
2467 \newlength{\separatorcolumnwidth}
2468 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2469 \newlength{\maincolumnwidth}
2470 \newlength{\doubleitemmaincolumnwidth}
2471 \newlength{\listitemsymbolwidth}
2472 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
2473 \newlength{\listitemmaincolumnwidth}
2474 \newlength{\listdoubleitemmaincolumnwidth}
2475 \newcommand*\{recomputethemelengths}\{}
2476 \newcommand*\{recomputelengths}\{%
2477   \setlength{\quotewidth}{0.65\textwidth}%
2478   \setlength{\maincolumnwidth}{\textwidth}%
2479   \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2480   \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2481   \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2482   \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2483   \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%

```



```

2484 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2485 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2486 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2487 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2488 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2489 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2490 \renewcommand{\headwidth}{\textwidth}%
2491 \recomputethemelengths}
2492 \setlength{\hintscolumnwidth}{0.15\textwidth}
2493 \recomputelengths
2494 \title{}
2495 \renewcommand*{\maketitle}{}
2496 \newcommand*{\section}[1]{%
2497 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2498 \phantomsection}%
2499 \addcontentsline{toc}{part}{#1}%
2500 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectangle}
2501 \hspace{\separatorcolumnwidth}%
2502 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\ll[1ex]}
2503 \newcommand*{\subsection}[1]{%
2504 \cvline[0.45em]{\subsectionstyle{#1}}%
2505 \newcommand*{\cvline}[3][.25em]{%
2506 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}
2507 \bidi@raggedleft\hintfont{#2} &{#3}%
2508 \end{tabular}\ll[#1]}
2509 \newcommand*{\cvdoubleitem}[4]{%
2510 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2511 \hfill%
2512 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{
2513 \newcommand*{\cvlistitem}[2][\listitemsymbol{}]{%
2514 \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}%
2515 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol{}]{%
2516 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2517 \hfill%
2518 \ifthenelse{\equal{#3}{}}%
2519 {}%
2520 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2521 \newcommand*{\cventry}[6]{%
2522 \cvline{#1}{%
2523 {\bfseries#2}%
2524 \ifx#3\else{, {\slshape#3}}\fi%
2525 \ifx#4\else{, #4}\fi%
2526 \ifx#5\else{, #5}\fi%
2527 .%
2528 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2529 }%
2530 \newcommand*{\cvlanguage}[3]{%
2531 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin
2532 \newcommand*{\cvcomputer}[4]{%
2533 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2534 \newcommand*{\link}[2][{}]{%
2535 \ifthenelse{\equal{#1}{}}%
2536 {\href{#2}{#2}}%
2537 {\href{#2}{#1}}}

```



```

2538 \newcommand*{\httplink}[2] [] {%
2539   \ifthenelse{\equal{#1}{}}{%
2540     {\href{http://#2}{#2}}%
2541     {\href{http://#2}{#1}}}
2542 \newcommand*{\emailink}[2] [] {%
2543   \ifthenelse{\equal{#1}{}}{%
2544     {\href{mailto:#2}{#2}}%
2545     {\href{mailto:#2}{#1}}}
2546 \newif\ifdisplaypagenumbers\@displaypagenumberstrue
2547 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2548 \AtBeginDocument{%
2549   \ifdisplaypagenumbers%
2550     \ifundefined{r@lastpage}{}%
2551     \ifthenelse{\pageref{lastpage} > 1}{%
2552       \fancypagestyle{plain}{%
2553         \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pag
2554         \pagestyle{plain}}}%
2555     \AtEndDocument{\label{lastpage}}%
2556   \fi}
2557 \newlength{\bibindent}
2558 \setlength{\bibindent}{1.5em}
2559 \newcommand*{\bibliographyitemlabel}{\includegraphics{bidi-bibitem.pdf}}
2560 \newenvironment{thebibliography}[1]%
2561   {%
2562     \section{\refname}%
2563     \small%
2564     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2565     \bidi@thebibliography@font@hook%
2566     \begin{list}{\bibliographyitemlabel}%
2567       {%
2568         \setlength{\topsep}{0pt}%
2569         \setlength{\labelwidth}{\hintscolumnwidth}%
2570         \setlength{\labelsep}{\separatorcolumnwidth}%
2571         \leftmargin\labelwidth%
2572         \advance\leftmargin\labelsep%
2573         \@openbib@code%
2574         \usecounter{enumiv}%
2575         \let\p@enumiv\@empty%
2576         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2577       \sloppy\clubpenalty4000\widowpenalty4000%
2578     }%
2579   {%
2580     \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2581     \end{list}%
2582   }
2583 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2584 \let\@openbib@code\@empty

```

20 File bidi-perpage.sty

```

2585 \NeedsTeXFormat{LaTeX2e}
2586 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
2587 \newcount\bidi@page@count
2588 \bidi@page@count\@ne

```



```

2589 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
2590   \if@bidi@csundef{bidi@stepcounterhook@@#2}{%
2591     \expandafter\gdef\csname bidi@stepcounterhook@@#2\endcsname{%
2592       }{}%
2593   \if@bidi@csundef{if@bidi@reset@#2@rerun}{%
2594     \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
2595   }{}%
2596   \if@bidi@csundef{bidi@#2@count}{%
2597     \expandafter\newcount\csname bidi@#2@count\endcsname
2598   }{}%
2599   \csname bidi@#2@count\endcsname\z@
2600   \if@bidi@csundef{bidi@previous@page@@#2@count}{%
2601     \expandafter\newcount\csname
2602       bidi@previous@page@@#2@count\endcsname
2603   }{}%
2604   \csname bidi@previous@page@@#2@count\endcsname\z@
2605   \if@bidi@csundef{bidi@reset@#2@perpage}{%
2606     \bidi@AfterEndDocumentCheckLabelsRerun{%
2607       \csname if@bidi@reset@#2@rerun\endcsname
2608       \PackageWarningNoLine{bidi-perpage}{%
2609         Counter `#2' may not have been reset per page.
2610         Rerun to reset counter `#2' per page%
2611       }%
2612     }%
2613   }%
2614 }{}%
2615 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
2616   \global\advance\csname bidi@#2@count\endcsname\@ne
2617   \if@filesw
2618     \edef\@tempa{%
2619       \write\@auxout{%
2620         \string\bidi@counter@page{#2}%
2621         {\number\csname bidi@#2@count\endcsname}%
2622         {\noexpand\number\noexpand\bidi@page@count}%
2623       }%
2624     }%
2625     \@tempa
2626   \fi
2627 \begingroup\expandafter\expandafter\expandafter\endgroup
2628 \expandafter\ifx\csname bidi@#2@@\number\csname
2629   bidi@#2@count\endcsname\endcsname\relax
2630   \global\csname @bidi@reset@#2@reruntrue\endcsname
2631 \else
2632   \global\csname @bidi@reset@#2@rerunfalse\endcsname
2633   \expandafter\@tempcnta\csname bidi@#2@@\number
2634     \csname bidi@#2@count\endcsname\endcsname\relax
2635   \ifnum\@tempcnta=\csname
2636     bidi@previous@page@@#2@count\endcsname
2637   \else
2638     \global\csname
2639       bidi@previous@page@@#2@count\endcsname\@tempcnta
2640     \global\csname c@#2\endcsname#1\relax
2641   \fi
2642 \fi

```



```

2643 }%
2644 \expandafter\bidigappto\csname
2645 bidi@stepcounterhook@@#2\endcsname{%
2646 \csname bidi@reset@#2@perpage\endcsname
2647 }%
2648 }
2649 \def\bidicounter@page#1#2#3{\bidinamegdef{bidi@#1@@#2}{#3}}
2650 \bidi@AtEndOutputPage{%
2651 \global\advance\bidipage@count\@ne
2652 }

```

21 File biditools.sty

```

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

```



```

2694 \long\def\bidicollect@long@body#1{%
2695   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2696   \edef\bidiprocess@envbody{\the\@bidi@envbody\noexpand\end{\@currentvir}}%
2697   \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2698   \begingroup
2699   \expandafter\let\csname\@currentvir\endcsname\bidicollect@long@@body
2700   \edef\bidiprocess@envbody{\expandafter\noexpand\csname\@currentvir\endcsname}%
2701   \bidiprocess@envbody
2702 }
2703 \long\def\bidipush@long@begins#1\begin#2{%
2704   \ifx\end#2\else b\expandafter\bidipush@long@begins\fi
2705 }
2706 \long\def\bidicollect@long@@body#1\end#2{%
2707   \edef\begin@bidi@stack{\bidipush@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}
2708   \ifx\@empty\begin@bidi@stack
2709     \endgroup
2710     \@checkend{#2}%
2711     \bidi@addto@long@envbody{#1}%
2712   \else
2713     \bidi@addto@long@envbody{#1\end{#2}}%
2714   \fi
2715   \bidiprocess@envbody % A little tricky! Note the grouping
2716 }
2717 \long\def\bidinew@ifnextchar#1#2#3{%
2718   \let\reserved@d= #1%
2719   \def\reserved@a{#2}\def\reserved@b{#3}%
2720   \futurelet\@let@token\bidinew@ifnch
2721 }
2722 \def\bidinew@ifnch{%
2723   \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2724   \reserved@b
2725 }
2726 \def\bidimatrix@check#1{%
2727   \expandafter\ifx\csname\@currentvir\endcsname#1%
2728   \else\bidimatrix@error#1%
2729     \expandafter\@gobble
2730   \fi
2731 }
2732 \def\bidimatrix@error#1{%
2733   \PackageError{biditools}{%
2734     Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2735   }{%
2736     '\string#1{...}' is old bidi package syntax whose use is
2737     ill-advised in the old versions of bidi package.%
2738   }%
2739 }
2740 \def\@tagsextension{clo}
2741 \def\@definitionfileextension{def}
2742 \def\@texfileextension{tex}
2743 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2744 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2745 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2746 \def\eqnewif#1#2{%
2747   \count@\escapechar \escapechar\m@ne

```




```

2748 \let#1\iffalse
2749 \let#2\iffalse
2750 \eq@if#1#2\iftrue
2751 \eq@if#1#2\iffalse
2752 \escapechar\count@}
2753 \def\eq@if#1#2#3{%
2754 \expandafter\def\csname\expandafter@gobbletwo\string#1%
2755 \expandafter@gobbletwo\string#3\endcsname
2756 {\let#1#3%
2757 \let#2#3}%
2758 \expandafter\def\csname\expandafter@gobbletwo\string#2%
2759 \expandafter@gobbletwo\string#3\endcsname
2760 {\let#2#3%
2761 \let#1#3}}
2762 \newcommand*\SetBoolean}[2]{%
2763 \lowercase{\def\@tempa{#2}}%
2764 \@ifundefined{@tempwa\@tempa}%
2765 {\PackageError{biditools}%
2766 {You can only set a boolean to `true' or `false'}\@ehc}%
2767 {\@ifundefined{#1\@tempa}%
2768 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2769 {\csname#1\@tempa\endcsname}}}
2770 \newcommand*\GlobalSetBoolean}[2]{%
2771 \lowercase{\def\@tempa{#2}}%
2772 \@ifundefined{@tempwa\@tempa}%
2773 {\PackageError{biditools}%
2774 {You can only set a boolean to `true' or `false'}\@ehc}%
2775 {\@ifundefined{#1\@tempa}%
2776 {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2777 {\global\csname#1\@tempa\endcsname}}}
2778 \newcommand*\SetatBoolean}[2]{%
2779 \lowercase{\def\@tempa{#2}}%
2780 \@ifundefined{@tempwa\@tempa}%
2781 {\PackageError{biditools}%
2782 {You can only set a boolean to `true' or `false'}\@ehc}%
2783 {\@ifundefined{@#1\@tempa}%
2784 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2785 {\csname @#1\@tempa\endcsname}}}
2786 \newcommand*\GlobalSetatBoolean}[2]{%
2787 \lowercase{\def\@tempa{#2}}%
2788 \@ifundefined{@tempwa\@tempa}%
2789 {\PackageError{biditools}%
2790 {You can only set a boolean to `true' or `false'}\@ehc}%
2791 {\@ifundefined{@#1\@tempa}%
2792 {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2793 {\global\csname @#1\@tempa\endcsname}}}
2794 \def\@bidi@removefromreset#1#2{%
2795 \expandafter\let\csname c@#1\endcsname\@bidi@removefromreset
2796 \def\@elt##1{%
2797 \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2798 \else
2799 \noexpand\@elt{##1}%
2800 \fi}%
2801 \expandafter\xdef\csname cl@#2\endcsname{%

```



```

2802 \csname cl@#2\endcsname}}
2803 \newcommand*{\ifRtoL}{%
2804 \if@RTL
2805 \expandafter\@firstoftwo
2806 \else
2807 \expandafter\@secondoftwo
2808 \fi}
2809 \newcommand*{\ifLtoR}{%
2810 \if@RTL
2811 \expandafter\@secondoftwo
2812 \else
2813 \expandafter\@firstoftwo
2814 \fi}
2815 \newcommand*{\ifRtoLtable}{%
2816 \if@RTLtab
2817 \expandafter\@firstoftwo
2818 \else
2819 \expandafter\@secondoftwo
2820 \fi}
2821 \newcommand*{\ifLtoRtable}{%
2822 \if@RTLtab
2823 \expandafter\@secondoftwo
2824 \else
2825 \expandafter\@firstoftwo
2826 \fi}
2827 \newcommand*{\ifRtoLhboxconstruct}{%
2828 \if@hboxRconstruct
2829 \expandafter\@firstoftwo
2830 \else
2831 \expandafter\@secondoftwo
2832 \fi}
2833 \newcommand*{\ifLtoRhboxconstruct}{%
2834 \if@hboxRconstruct
2835 \expandafter\@secondoftwo
2836 \else
2837 \expandafter\@firstoftwo
2838 \fi}
2839 \newcommand*{\iflatin}{%
2840 \if@nonlatin
2841 \expandafter\@secondoftwo
2842 \else
2843 \expandafter\@firstoftwo
2844 \fi}
2845 \newcommand*{\ifnonlatin}{%
2846 \if@nonlatin
2847 \expandafter\@firstoftwo
2848 \else
2849 \expandafter\@secondoftwo
2850 \fi}
2851
2852 \newcommand*{\bidi@convert@dimen@t@unit}[2]{%
2853 \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2854
2855 \newcommand*{\bidi@convert@dimen@t@pt}[1]{%

```



```

2856 \dimexpr #1*65536/\dimexpr 1pt\relax}
2857
2858 \newcommand*{\if@bidi@csdef}[1]{%
2859 \ifcsname#1\endcsname
2860 \expandafter\@firstoftwo
2861 \else
2862 \expandafter\@secondoftwo
2863 \fi}
2864 \newcommand*{\if@bidi@csundef}[1]{%
2865 \ifcsname#1\endcsname
2866 \expandafter\ifx\csname#1\endcsname\relax
2867 \expandafter\expandafter
2868 \expandafter\@firstoftwo
2869 \else
2870 \expandafter\expandafter
2871 \expandafter\@secondoftwo
2872 \fi
2873 \else
2874 \expandafter\@firstoftwo
2875 \fi}
2876 \newcommand{\if@bidi@def}[1]{%
2877 \ifdefined#1%
2878 \expandafter\@firstoftwo
2879 \else
2880 \expandafter\@secondoftwo
2881 \fi}
2882 \newcommand{\if@bidi@undef}[1]{%
2883 \ifdefined#1%
2884 \ifx#1\relax
2885 \expandafter\expandafter
2886 \expandafter\@firstoftwo
2887 \else
2888 \expandafter\expandafter
2889 \expandafter\@secondoftwo
2890 \fi
2891 \else
2892 \expandafter\@firstoftwo
2893 \fi}
2894 \newcommand{\if@bidi@blank}[1]{% from url.sty
2895 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2896 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2897 \newcommand{\bidi@notblank}[1]{%
2898 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2899 \newcommand{\if@bidi@defmacro}{%
2900 \long\edef\if@bidi@defmacro#1{%
2901 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2902 \noexpand\meaning#1\detokenize{macro}:&}
2903 \edef\bidi@ifdefmacro{%
2904 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&
2905 \bidi@ifdefmacro{\bidi@notblank{#2}}
2906 \newcommand*{\if@bidi@csmacro}[1]{%
2907 \if@bidi@csdef{#1}
2908 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2909 {\@secondoftwo}}

```



```

2910 \newcommand{\if@bidi@defprimitive}[1]{%
2911   \ifprimitive#1%
2912     \expandafter\@firstoftwo
2913   \else
2914     \expandafter\@secondoftwo
2915   \fi}
2916 \newcommand{\if@bidi@csprimitive}[1]{%
2917   \begingroup\expandafter\expandafter\expandafter\endgroup%
2918   \expandafter\ifprimitive\csname#1\endcsname%
2919     \expandafter\@firstoftwo
2920   \else
2921     \expandafter\@secondoftwo
2922   \fi}
2923 \newcommand*{\bidi@csdefcs}[2]{%
2924   \expandafter\@ifdefinable \csname#1\endcsname{%
2925     \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2926 \newcommand*{\bidi@csletcs}[2]{%
2927   \expandafter\@ifdefinable \csname#1\endcsname{%
2928     \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}
2929 \newcommand*{\bidi@cslet}[2]{%
2930   \expandafter\@ifdefinable \csname#1\endcsname{%
2931     \expandafter\let\csname#1\endcsname#2}}
2932 \newcommand{\bidi@namelongdef}[1]{%
2933   \long\expandafter\def\csname #1\endcsname}
2934 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2935 \def\bidi@ensure@new@command#1{%
2936   \begingroup \escapechar\m@ne\xdef\@tempa{\string#1}\endgroup
2937   \expandafter\if@bidi@csundef\@tempa
2938     {\new@command#1}{\relax%
2939     \let\@ifdefinable\@rc@ifdefinable%
2940     \new@command#1}}
2941 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2942
2943 \protected\def\bidi@error{\PackageError{bidi}}
2944 \protected\def\bidi@warning{\PackageWarning{bidi}}
2945 \protected\def\bidi@info{\PackageInfo{bidi}}
2946
2947 \def\bidi@pos#1#2#3#4{\bidi@namegdef\bidi@#1pos@#2@#3}{#4}}
2948
2949 \newcount\bidi@poscount
2950
2951 \newcommand*{\WriteStartXPostaux}{%
2952   \global\advance\bidi@poscount\@ne
2953   \edef\@tempa{%
2954     \write\@auxout{%
2955       \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
2956       }%
2957     }%
2958   \ifvmode
2959     \leavevmode
2960   \fi
2961   \if@RTL
2962     \if@filesw
2963     \@tempa

```



```

2964 \fi
2965 \pdfsavepos
2966 \else
2967 \pdfsavepos
2968 \if@filesw
2969 \@tempa
2970 \fi
2971 \fi
2972 \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
2973 \PackageWarningNoLine{biditools}{%
2974 The start x position `\'number\bidi@poscount' is not known yet.
2975 Rerun to get this x position%
2976 }%
2977 }{}%
2978 }
2979
2980 \newcommand*{\WriteEndXPostoaux}{%
2981 \edef\@tempa{%
2982 \write\@auxout{%
2983 \string\bidi@pos{x}{end}{\'number\bidi@poscount}{\'noexpand\number\noexpand\pdflastx
2984 }%
2985 }%
2986 \if@RTL
2987 \if@filesw
2988 \@tempa
2989 \fi
2990 \pdfsavepos
2991 \else
2992 \pdfsavepos
2993 \if@filesw
2994 \@tempa
2995 \fi
2996 \fi
2997 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
2998 \PackageWarningNoLine{biditools}{%
2999 The end x position `\'number\bidi@poscount' is not known yet.
3000 Rerun to get this x position%
3001 }%
3002 }{}%
3003 }
3004
3005 \newcommand*{\WriteStartYPostoaux}{%
3006 \global\advance\bidi@poscount\@ne
3007 \edef\@tempa{%
3008 \write\@auxout{%
3009 \string\bidi@pos{y}{start}{\'number\bidi@poscount}{\'noexpand\number\noexpand\pdflasty
3010 }%
3011 }%
3012 \ifvmode
3013 \leavevmode
3014 \fi
3015 \if@RTL
3016 \if@filesw
3017 \@tempa

```



```

3018 \fi
3019 \pdfsavepos
3020 \else
3021 \pdfsavepos
3022 \if@filesw
3023 \@tempa
3024 \fi
3025 \fi
3026 \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
3027 \PackageWarningNoLine{biditools}{%
3028 The start y position ``\number\bidi@poscount' is not known yet.
3029 Rerun to get this y position%
3030 }%
3031 }{}%
3032 }
3033
3034 \newcommand*{\WriteEndYPostoaux}{%
3035 \edef\@tempa{%
3036 \write\@auxout{%
3037 \string\bidi@pos{y}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
3038 }%
3039 }%
3040 \if@RTL
3041 \if@filesw
3042 \@tempa
3043 \fi
3044 \pdfsavepos
3045 \else
3046 \pdfsavepos
3047 \if@filesw
3048 \@tempa
3049 \fi
3050 \fi
3051 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
3052 \PackageWarningNoLine{biditools}{%
3053 The end y position ``\number\bidi@poscount' is not known yet.
3054 Rerun to get this y position%
3055 }%
3056 }{}%
3057 }
3058
3059 \newcommand*{\WriteStartXYPostoaux}{%
3060 \global\advance\bidi@poscount\@ne
3061 \edef\@tempa{%
3062 \write\@auxout{%
3063 \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
3064 }%
3065 \write\@auxout{%
3066 \string\bidi@pos{y}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
3067 }%
3068 }%
3069 \ifvmode
3070 \leavevmode
3071 \fi

```



```

3072 \if@RTL
3073   \if@filesw
3074     \@tempa
3075   \fi
3076   \pdfsavepos
3077   \else
3078   \pdfsavepos
3079   \if@filesw
3080     \@tempa
3081   \fi
3082 \fi
3083 \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
3084   \PackageWarningNoLine{biditools}{%
3085     The start x position ``\number\bidi@poscount' is not known yet.
3086     Rerun to get this x position%
3087   }%
3088 }{}%
3089 \if@bidi@csundef{bidi@ypos@@start@\number\bidi@poscount}{%
3090   \PackageWarningNoLine{biditools}{%
3091     The start y position ``\number\bidi@poscount' is not known yet.
3092     Rerun to get this y position%
3093   }%
3094 }{}%
3095 }
3096
3097 \newcommand*{\WriteEndXYPostoaux}{%
3098   \edef\@tempa{%
3099     \write\@auxout{%
3100       \string\bidi@pos{x}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastx
3101     }%
3102     \write\@auxout{%
3103       \string\bidi@pos{y}{end}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflasty
3104     }%
3105   }%
3106 \if@RTL
3107   \if@filesw
3108     \@tempa
3109   \fi
3110   \pdfsavepos
3111   \else
3112   \pdfsavepos
3113   \if@filesw
3114     \@tempa
3115   \fi
3116 \fi
3117 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
3118   \PackageWarningNoLine{biditools}{%
3119     The end x position ``\number\bidi@poscount' is not known yet.
3120     Rerun to get this x position%
3121   }%
3122 }{}%
3123 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
3124   \PackageWarningNoLine{biditools}{%
3125     The end y position ``\number\bidi@poscount' is not known yet.

```



```

3126         Rerun to get this y position%
3127     }%
3128 }{}%
3129 }
3130
3131 \newcommand*{\currentposxwidth}{%
3132     \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{\z@}
3133     {%
3134         \ifnum\csname bidi@xpos@@start@\number\bidi@poscount
3135         \endcsname < \csname bidi@xpos@@end@\number\bidi@poscount
3136         \endcsname
3137         \dimexpr \csname bidi@xpos@@end@\number\bidi@poscount
3138         \endcsname sp - \csname bidi@xpos@@start@\number\bidi@poscount
3139         \endcsname sp\relax
3140     \else
3141         \dimexpr \csname bidi@xpos@@start@\number\bidi@poscount
3142         \endcsname sp - \csname bidi@xpos@@end@\number\bidi@poscount
3143         \endcsname sp\relax
3144     \fi
3145 }%
3146 }
3147
3148 \newcommand*{\currentposyheight}{%
3149     \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{\z@}
3150     {%
3151         \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
3152         \endcsname sp - \csname bidi@ypos@@end@\number\bidi@poscount
3153         \endcsname sp\relax
3154     }%
3155 }
3156
3157
3158
3159 \newcommand*{\setbaselineskip}[1]{%
3160     \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
3161     \selectfont
3162 }
3163
3164
3165 \newcommand*{\bidi@newrobustcmd}{%
3166     \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
3167
3168     \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
3169
3170     \def\bidi@newcommand#1[#2]{%
3171         \ifnextchar[%
3172             {\bidi@xargdef#1[#2]}
3173             {\ifx\l@ngrel@x\relax
3174                 \let\l@ngrel@x\protected
3175             \else
3176                 \protected\def\l@ngrel@x{\protected\long}%
3177             \fi
3178             \@argdef#1[#2]}}
3179

```




```

3180 \long\def\bidi@xargdef#1[#2][#3]#4{%
3181   \@ifdefinable#1{%
3182     \expandafter\protected
3183     \expandafter\def
3184     \expandafter#1%
3185     \expandafter{%
3186       \expandafter\@testopt
3187       \csname\string#1\endcsname{#3}}%
3188     \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}
3189
3190 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
3191
3192 \def\bidi@renew@command#1{%
3193   \if@bidi@undef{#1}
3194     {\bidi@error{\string#1 undefined}\@ehc}
3195     {}%
3196   \let\@ifdefinable\@rc@ifdefinable
3197   \bidi@new@command#1}
3198
3199
3200
3201 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
3202
3203 \def\bidi@provide@command#1{%
3204   \if@bidi@undef{#1}
3205     {\def\reserved@a{\bidi@new@command#1}}
3206     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
3207   \reserved@a}
3208
3209 \newcommand*{\bidi@csuse}[1]{%
3210   \ifcsname#1\endcsname
3211     \csname#1\expandafter\endcsname
3212   \fi}
3213
3214 \newcommand{\bidi@expandonce}[1]{%
3215   \unexpanded\expandafter{#1}}
3216
3217 \def\bidi@protected{%
3218   \let\@@protect\protect
3219   \let\protect\@unexpandable@protect
3220   \afterassignment\restore@protect}
3221
3222 \bidi@newrobustcmd{\bidi@appto}[2]{%
3223   \if@bidi@undef{#1}
3224     {\edef#1{\unexpanded{#2}}}
3225     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
3226 \bidi@newrobustcmd{\bidi@eappto}[2]{%
3227   \if@bidi@undef{#1}
3228     {\edef#1{#2}}
3229     {\edef#1{\bidi@expandonce#1#2}}}}
3230 \bidi@newrobustcmd{\bidi@gappto}[2]{%
3231   \if@bidi@undef{#1}
3232     {\xdef#1{\unexpanded{#2}}}
3233     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}

```



```

3234 \bidi@newrobustcmd{\bidi@xappto}[2]{%
3235   \if@bidi@undef{#1}
3236     {\xdef#1{#2}}
3237     {\xdef#1{\bidi@expandonce#1#2}}}
3238
3239 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
3240 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
3241
3242
3243
3244 \bidi@newrobustcmd{\bidi@preto}[2]{%
3245   \if@bidi@undef{#1}
3246     {\edef#1{\unexpanded{#2}}}
3247     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
3248 \bidi@newrobustcmd{\bidi@epreto}[2]{%
3249   \if@bidi@undef{#1}
3250     {\edef#1{#2}}
3251     {\edef#1{#2\bidi@expandonce#1}}}
3252 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
3253   \if@bidi@undef{#1}
3254     {\xdef#1{\unexpanded{#2}}}
3255     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
3256 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
3257   \if@bidi@undef{#1}
3258     {\xdef#1{#2}}
3259     {\xdef#1{#2\bidi@expandonce#1}}}
3260
3261 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
3262 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
3263
3264
3265
3266 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
3267 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
3268 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
3269 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
3270 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
3271 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
3272
3273
3274
3275 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
3276 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
3277 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
3278 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
3279 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
3280 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
3281
3282
3283
3284 \bidi@newrobustcmd{\if@bidi@patchable}{%
3285   \bidi@dbg@trce\if@bidi@patchable
3286   \begingroup
3287   \@makeother\%

```



```

3288 \@ifstar\bid@ifpatchable@i\bid@ifpatchable}
3289
3290 \long\def\bid@ifpatchable#1#2{%
3291   \endgroup
3292   \bid@dbg@init#1%
3293   \if@bid@undef{#1}
3294     {\bid@dbg@fail{def}\@secondoftwo}
3295     {\bid@dbg@info{def}%
3296       \if@bid@defmacro{#1}
3297         {\bid@dbg@info{mac}%
3298           \bid@ifscanable{#1}
3299             {\bid@ifhashcheck{#2}
3300               {\bid@dbg@info{tok}%
3301                 \bid@ifpattern#1{#2}
3302                   {\bid@dbg@info{pat}%
3303                     \bid@dbg@info{pos}\@firstoftwo}
3304                     {\bid@dbg@fail{pat}\@secondoftwo}}
3305                   {\bid@dbg@fail{hsh}\@secondoftwo}}
3306                   {\bid@dbg@fail{tok}\@secondoftwo}}
3307                   {\bid@dbg@fail{mac}\@secondoftwo}}}
3308   }
3309 \long\def\bid@ifpatchable@i#1{%
3310   \endgroup
3311   \bid@dbg@init#1%
3312   \if@bid@undef{#1}
3313     {\bid@dbg@fail{def}\@secondoftwo}
3314     {\bid@dbg@info{def}%
3315       \if@bid@defmacro{#1}
3316         {\bid@dbg@info{mac}%
3317           \if@bid@defparam{#1}
3318             {\bid@dbg@info{prm}%
3319               \bid@ifscanable{#1}
3320                 {\bid@dbg@info{tok}%
3321                   \bid@dbg@info{pos}\@firstoftwo}
3322                   {\bid@dbg@fail{tok}\@secondoftwo}}
3323                 {\bid@dbg@info{prl}%
3324                   \if@bid@defprotected{#1}
3325                     {\bid@dbg@info{pro}}
3326                     {}%
3327                   \bid@dbg@info{pos}\@firstoftwo}}
3328                 {\bid@dbg@fail{mac}\@secondoftwo}}}
3329   }
3330 \bid@newrobustcmd*{\bid@patchcmd}{%
3331   \bid@dbg@trce\bid@patchcmd
3332   \begingroup
3333   \@makeother\#%
3334   \bid@@patchcmd}
3335
3336 \newcommand{\bid@@patchcmd}[4][#####1]{%
3337   \bid@ifpatchable#2{#3}
3338   {\bid@dbg@succ{ret}%
3339     \begingroup
3340     \edef\bid@resrvda{%
3341       \def\noexpand\bid@resrvda####1\detokenize{macro:}####2->####3&{%

```



```

3342      #1\def\string\bidiresrvda\space####2{\noexpand\bidiresrvdb####3&}}%
3343      \def\noexpand\bidiresrvdb####1\detokenize{#3}####2&{%
3344      ####1\detokenize{#4}####2}%
3345      \edef\noexpand\bidiresrvda{%
3346      \noexpand\bidiresrvda\meaning#2&}}%
3347      \bidiresrvda
3348      \bidipatchcmd@scantoks\bidiresrvda
3349      \let#2\bidiresrvda
3350      \bidi@undef\bidiresrvda
3351      \@firstoftwo}
3352      {\@secondoftwo}}
3353
3354 \def\bidipatchcmd@scantoks#1{%
3355   \edef\bidiresrvda{\endgroup
3356     \unexpanded{\makeatletter\scantokens}{#1}%
3357     \catcode\number`\@=\the\catcode`\@ \relax}%
3358   \bidiresrvda}
3359
3360 \newcommand\bidisloaded[2][{}{
3361   \expandafter\ifx\csname if@bidic#2loaded@ \endcsname \relax
3362     \expandafter\newif\csname if@bidic#2loaded@ \endcsname
3363   \fi
3364   \@ifpackageloaded{#2}
3365   {\csname @bidic#2loaded@true \endcsname #1}
3366   {\csname @bidic#2loaded@false \endcsname}}
3367
3368 \protected\def\bidifscanable#1{%
3369   \begingroup
3370   \edef\bidiresrvda{%
3371     \def\noexpand\bidiresrvda####1\detokenize{macro}:####2->####3&{%
3372     ####1\def\string\bidiresrvda####2{####3}}}%
3373     \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda\meaning#1&}}%
3374   \bidiresrvda
3375   \makeatletter
3376   \scantokens\expandafter{\bidiresrvda}%
3377   \expandafter\endgroup\ifx#1\bidiresrvda
3378     \expandafter\@firstoftwo
3379   \else
3380     \expandafter\@secondoftwo
3381   \fi}
3382
3383
3384 \protected\long\def\bidifhashcheck#1{%
3385   \begingroup
3386   \edef\bidiresrvda{\detokenize{#1}}%
3387   \expandafter\endgroup
3388   \expandafter\bidifhashcheck@i\meaning\bidiresrvda&}
3389
3390 \edef\bidifhashcheck@i#1&{%
3391   \noexpand\expandafter
3392   \noexpand\bidifhashcheck@ii
3393   \noexpand\strip@prefix#1\string#\string#&}
3394
3395 \edef\bidifhashcheck@ii{%

```



```

3396 \def\noexpand\bid@ifhashcheck@ii##1\string#\string###2&}
3397 \bid@ifhashcheck@ii{\if@bid@blank{#2}}
3398
3399
3400 \protected\long\def\bid@ifpattern#1#2{%
3401 \begingroup
3402 \edef\bid@resrvda{%
3403 \def\noexpand\bid@resrvda####1\detokenize{#2}###2&{%
3404 \endgroup\noexpand\noexpand\noexpand\noexpand\if@bid@blank{####2}}}%
3405 \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda
3406 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3407 \noexpand\bid@resrvda}
3408 \bid@resrvda\@secondoftwo\@firstoftwo}
3409
3410
3411 \newcommand{\if@bid@defparam}{%
3412 \long\edef\if@bid@defparam#1{%
3413 \noexpand\expandafter\noexpand\bid@ifdefparam
3414 \noexpand\meaning#1\detokenize{macro}:->&}
3415 \edef\bid@ifdefparam{%
3416 \def\noexpand\bid@ifdefparam##1\detokenize{macro}:##2->##3&}
3417 \bid@ifdefparam{\bid@notblank{#2}}
3418
3419
3420 \newcommand{\if@bid@defprotected}{%
3421 \long\edef\if@bid@defprotected#1{%
3422 \noexpand\expandafter\noexpand\bid@ifdefprotected
3423 \noexpand\meaning#1\string\protected&}
3424 \edef\bid@ifdefprotected{%
3425 \def\noexpand\bid@ifdefprotected##1\string\protected##2&}
3426 \bid@ifdefprotected{\bid@notblank{#2}}
3427
3428
3429 \bid@newrobustcmd*\bid@undef}[1]{\let#1\bid@undefined}
3430
3431 \let\bid@dbg@trce\@gobble
3432 \let\bid@dbg@init\@gobble
3433 \let\bid@dbg@info\@gobble
3434 \let\bid@dbg@succ\@gobble
3435 \let\bid@dbg@fail\@gobble
3436
3437
3438
3439 \bid@newrobustcmd*\bid@apptocmd}{%
3440 \bid@dbg@trce\bid@apptocmd
3441 \begingroup
3442 \@makeother\#%
3443 \bid@hooktocmd\bid@append}
3444
3445
3446
3447 \bid@newrobustcmd*\bid@pretocmd}{%
3448 \bid@dbg@trce\bid@pretocmd
3449 \begingroup

```



```

3450 \@makeother\#%
3451 \bidi@hooktocmd\bidi@prepend}
3452
3453 \long\def\bidi@hooktocmd#1#2#3{%
3454 \endgroup
3455 \bidi@dbg@init#2%
3456 \if@bidi@undef{#2}
3457 {\bidi@dbg@fail{def}\@secondoftwo}
3458 {\bidi@dbg@info{def}%
3459 \if@bidi@defmacro{#2}
3460 {\bidi@dbg@info{mac}%
3461 \if@bidi@defparam{#2}
3462 {\bidi@dbg@info{prm}%
3463 \bidi@ifscanable{#2}
3464 {\bidi@ifhashcheck{#3}
3465 {\bidi@dbg@info{tok}%
3466 \bidi@dbg@succ{ret}%
3467 \bidi@hooktocmd@i#1#2{#3}%
3468 \@firstoftwo}
3469 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3470 {\bidi@dbg@fail{tok}\@secondoftwo}}
3471 {\bidi@dbg@info{prl}%
3472 \if@bidi@defprotected{#2}
3473 {\bidi@dbg@info{pro}%
3474 \bidi@dbg@succ{red}%
3475 \protected}
3476 {\bidi@dbg@succ{red}}}%
3477 \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3478 \@firstoftwo}}
3479 {\bidi@dbg@fail{mac}\@secondoftwo}}
3480
3481 \long\def\bidi@hooktocmd@i#1#2#3{%
3482 \begingroup
3483 \edef\bidi@resrvda{%
3484 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3485 ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
3486 \edef\noexpand\bidi@resrvda{%
3487 \noexpand\bidi@resrvda\meaning#2&}}%
3488 \bidi@resrvda
3489 \bidi@patchcmd@scantoks\bidi@resrvda
3490 \let#2\bidi@resrvda
3491 \bidi@undef\bidi@resrvda}
3492
3493 \long\def\bidi@append#1#2{#1#2}
3494 \long\def\bidi@prepend#1#2{#2#1}
3495
3496 %\bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3497 %\newcommand*{\bidi@endpreamblehook}{\}
3498
3499 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\AddToHook{begindocument/before}}%
3500
3501 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipout}
3502 \newcommand*{\bidi@beforeoutputpageshipouthook}{\}
3503

```



```

3504 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@BeforeHeaderhook}
3505 \newcommand*{\bidi@BeforeHeaderhook}{}
3506
3507 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@BeforeOutputBoxOutputPagehook}
3508 \newcommand*{\bidi@BeforeOutputBoxOutputPagehook}{}
3509
3510 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@AfterOutputBoxOutputPagehook}
3511 \newcommand*{\bidi@AfterOutputBoxOutputPagehook}{}
3512
3513 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@BeforeFooterhook}
3514 \newcommand*{\bidi@BeforeFooterhook}{}
3515
3516 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@AfterFooterhook}
3517 \newcommand*{\bidi@AfterFooterhook}{}
3518
3519
3520 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@AfterOutputPageShipOuthook}
3521 \newcommand*{\bidi@AfterOutputPageShipOuthook}{}
3522
3523 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@AtEndOutputPagehook}
3524 \newcommand*{\bidi@AtEndOutputPagehook}{}
3525
3526 %\bidi@preto\document{%
3527 % \endgroup
3528 % \let\bidi@AtEndPreamble\@firstofone
3529 % \bidi@endpreamblehook
3530 % \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3531 % \bidi@undef\bidi@endpreamblehook
3532 % \begingroup}
3533
3534 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3535 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3536
3537 %\bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@AfterEndPreamblehook}
3538 %\newcommand*{\bidi@AfterEndPreamblehook}{}
3539
3540 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\AddToHook{begindocument/end}}%
3541
3542 %\bidi@appto\document{%
3543 % \let\bidi@AfterEndPreamble\@firstofone
3544 % \bidi@afterendpreamblehook
3545 % \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3546 % \bidi@undef\bidi@afterendpreamblehook
3547 % \ignorespaces}
3548
3549 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@AfterEndDocumentCheckLabelsRerunhook}
3550 \newcommand*{\bidi@AfterEndDocumentCheckLabelsRerunhook}{}
3551
3552 \bidi@patchcmd\enddocument
3553 {\fi}
3554 {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
3555 \bidi@afterenddocumentchecklabelsrerunhook
3556 \fi}
3557 {}

```



```

3558 {\PackageWarning{biditools}{Patching '\string\enddocument' failed}}
3559
3560 \AtEndDocument{\let\bid@AfterEndPreamble@gobble}
3561
3562 \bid@newrobustcmd*{\bid@AfterLastShipout}{\bid@gappto\bid@afterlastshipouthook}
3563 \newcommand*{\bid@afterlastshipouthook}{}
3564
3565 \bid@patchcmd\enddocument
3566 {\clearpage}
3567 {\clearpage
3568 \let\bid@AfterLastShipout\@firstofone
3569 \bid@afterlastshipouthook}
3570 {}
3571 {\let\bid@clearpage\clearpage
3572 \def\clearpage{%
3573 \bid@clearpage
3574 \let\bid@AfterLastShipout\@firstofone
3575 \bid@afterlastshipouthook}}
3576
3577 %\bid@newrobustcmd*{\bid@AfterEndDocument}{\bid@gappto\bid@afterenddocumenthook}
3578 %\newcommand*{\bid@afterenddocumenthook}{}
3579
3580 \bid@newrobustcmd*{\bid@AfterEndDocument}{\AddToHook{enddocument/end}}%
3581
3582 %\bid@patchcmd\enddocument
3583 % {\deadcycles}
3584 % {\let\bid@AfterEndDocument\@firstofone
3585 % \bid@afterenddocumenthook
3586 % \deadcycles}
3587 % {}
3588 % {\let\bid@@end\@@end
3589 % \def\@@end{%
3590 % \let\bid@AfterEndDocument\@firstofone
3591 % \bid@afterenddocumenthook
3592 % \bid@@end}}
3593
3594 \bid@newrobustcmd{\bid@AtBeginEnvironment}[1]{%
3595 \bid@csgappto{@bid@begin@#1@hook}}
3596
3597 % Patch \begin<space> and \end<space> in newer LaTeX releases
3598 % \begin and \end in older ones.
3599 \expandafter\bid@patchcmd\csname begin\ifcsname begin\endcsname\space\fi\endcsname
3600 {\csname #1\endcsname}
3601 {\bid@csuse{@bid@begin@#1@hook}%
3602 \csname #1\endcsname}
3603 {}
3604 {\bid@warning{%
3605 Patching '\string\begin' failed!\MessageBreak
3606 '\string\bid@AtBeginEnvironment' will not work@gobble}}
3607
3608
3609
3610 \bid@newrobustcmd{\bid@AtEndEnvironment}[1]{%
3611 \bid@csgappto{@bid@end@#1@hook}}

```




```

3612
3613 \expandafter\@bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
3614 {\csname end#1\endcsname}
3615 {\@bidi@csuse{\@bidi@end@#1@hook}%
3616 \csname end#1\endcsname}
3617 {}
3618 {\@bidi@warning{%
3619 Patching '\string\end' failed!\MessageBreak
3620 '\string\@bidi@AtEndEnvironment' will not work\@gobble}}
3621
3622
3623
3624 \@bidi@newrobustcmd{\@bidi@BeforeBeginEnvironment}[1]{%
3625 \@bidi@csgappto{\@bidi@beforebegin@#1@hook}}
3626
3627 \expandafter\@bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
3628 {\@bidi@csuse{\@bidi@beforebegin@#1@hook}}
3629 {}
3630 {\@bidi@warning{%
3631 Patching '\string\begin' failed!\MessageBreak
3632 '\string\@bidi@BeforeBeginEnvironment' will not work\@gobble}}
3633
3634 \@bidi@newrobustcmd{\@bidi@AfterEndEnvironment}[1]{%
3635 \@bidi@csgappto{\@bidi@afterend@#1@hook}}
3636
3637 \expandafter\@bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
3638 {\if@ignore}
3639 {\@bidi@csuse{\@bidi@afterend@#1@hook}%
3640 \if@ignore}
3641 {}
3642 {\@bidi@warning{%
3643 Patching '\string\end' failed!\MessageBreak
3644 '\string\@bidi@AfterEndEnvironment' will not work\@gobble}}
3645
3646 \def\@bidi@namedef#1{\expandafter\def\csname #1\endcsname}
3647 \def\@bidi@namegdef#1{\expandafter\gdef\csname #1\endcsname}
3648 \def\@bidi@nameedef#1{\expandafter\edef\csname #1\endcsname}
3649 \def\@bidi@namexdef#1{\expandafter\xdef\csname #1\endcsname}
3650
3651 % From David Carlisle:
3652 % The \@stpelt redefinition below belongs to Heiko Oberdiek
3653 % See also https://github.com/ho-tex/oberdiek/issues/26
3654
3655 \let\@bidi@stepcounter\stepcounter
3656 \let\@bidi@@stpelt\@stpelt
3657
3658 \def\@stpelt#1{%
3659 \ifcsname bidi@reset@#1@perpage\endcsname
3660 \begingroup
3661 \let\stepcounter\@bidi@stepcounter
3662 \@bidi@@stpelt{#1}%
3663 \endgroup
3664 \expandafter\@gobbletwo
3665 \fi

```



```

3666 \@bidi@stpelt{#1}%
3667 }
3668
3669 \bidi@pretocmd\stepcounter
3670 {%
3671     \if@bidi@csundef\bidi@stepcounterhook@@#1\endcsname
3672     \csname bidi@stepcounterhook@@#1\endcsname
3673 }%
3674 }-{}%
3675 {\PackageWarning{biditools}{Patching `string\stepcounter' failed}}
3676
3677 \chardef\bidi@backslash`\\
3678 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
3679
3680 % anonymous control sequences
3681 \newcount\bidi@tempcountb
3682 \newtoks\bidi@temptoksa
3683 \newtoks\bidi@temptoksb
3684
3685 % Catcode (re)storing
3686 %
3687 \def\bidi@storecatcode#1%
3688     {\escapechar\m@ne
3689     \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3690     {\catcode`\string#1=
3691         \the\catcode\expandafter`\string#1}%
3692     \catcode\expandafter`\string#1=12\relax
3693     \escapechar`\\relax}
3694 \def\bidi@restorecatcode#1%
3695     {\escapechar\m@ne
3696     \csname bidi@restorecatcode\string#1\endcsname
3697     \escapechar`\\relax}
3698
3699 % Construct a control sequence inside \edef
3700 %
3701 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3702
3703 % Construct a control sequence out of #2, and give it to #1
3704 %
3705 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
3706
3707 % Pick an escapecharacter
3708 % this presumes that its argument is a character.
3709 %
3710 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3711
3712 % Equality of strings.
3713 % the fast approach: does not work in expansion-only environment.
3714 %
3715 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
3716     \ifx\bidi@eqs@a\bidi@eqs@b}
3717
3718 % Test by expansion only
3719 %

```



```

3720 \def\bidiequalstringX#1#2{00\fi
3721   \csname if\@bidiequalstringX#1&#2&#3\endcsname}
3722 \def\@bidiequalstringX#1#2$#3#4${\ifx#1#3%
3723   \ifx#1&true\else\bidihop@ES\@bidiequalstringX#2$#4$\fi
3724   \else false\fi}
3725 \def\bidihop@ES#1\fi#2\fi{\fi\fi#1}
3726
3727 % Lexicographic ordering
3728 % note the use of \def
3729 % also note the characters 0,127,255 that are used,
3730 % these are not supposed to appear in the strings
3731 %
3732 {\catcode0=12 \catcode255=12 \catcode127=12
3733 \gdef\bidistringbeforeNC#1#2{00\fi
3734   \bidicharsbefore#1^^@^^?#2^^ff^^?}%
3735 \gdef\bidicharsbeforeNC#1#2^^?#3#4^^?{%
3736   \ifcat#1\relax\def\bidinext{\bidicharsbefore#2^^@^^?#3#4^^ff^^?}%
3737   \else\ifcat#3\relax\def\bidinext{\bidicharsbefore#1#2^^@^^?#4^^ff^^?}%
3738   \else\ifnum\lccode`#1<\lccode`#3
3739     \def\bidinext{\csname iftrue\endcsname}%
3740   \else\ifnum\lccode`#1>\lccode`#3
3741     \def\bidinext{\csname iffalse\endcsname}%
3742   \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3743   \fi \fi \fi \fi
3744   \bidinext}
3745 \gdef\bidistringbefore#1#2{00\fi
3746   \bidicharsbefore#1^^@^^?#2^^ff^^?}%
3747 \gdef\bidicharsbefore#1#2^^?#3#4^^?{%
3748   \ifnum`#1<`#3
3749     \def\bidinext{\csname iftrue\endcsname}%
3750   \else\ifnum`#1>`#3
3751     \def\bidinext{\csname iffalse\endcsname}%
3752   \else\def\bidinext{\bidicharsbefore#2^^?#4^^?}%
3753   \fi\fi
3754   \bidinext}
3755 }
3756
3757 % Null argument test
3758 %
3759 \def\bidieempty{}
3760 \def\bidieifempty#1{00\fi\expandafter\ifx\csname bidi@#1@null\endcsname\bidie@null}
3761 \def\bidieifemptyX#1{\expandafter\ifx\csname bidi@#1@null\endcsname\bidie@null}
3762 %\def\bidieifempty#1{\def\bidiecs@a{#1}\ifx\bidiecs@a\bidieempty}
3763 \def\bidieisemptylist#1{00\fi\def\bidiecs@a{#1}\ifx\cs@a\bidieempty}
3764
3765 % Next character test
3766 %
3767 \def\bidienxtchar#1#2#3{00\fi
3768   \let\bidienxt@ch#1\def\bidienxt@a{#2}\def\bidienxt@b{#3}%
3769   \futurelet\bidienxt@c\@bidieifnxtc}
3770 \def\bidieifnxtchar#1#2#3{%
3771   \let\bidienxt@ch#1\def\bidienxt@a{#2}\def\bidienxt@b{#3}%
3772   \futurelet\bidienxt@c\@bidieifnxtc}
3773 \def\@bidieifnxtc{\ifx\bidienxt@ch\bidienxt@c \expandafter\bidienxt@a

```



```

3774 \else \expandafter\bidinxt@b \fi}
3775
3776 % Test for defined-ness of string as control sequence.
3777 % works inside \edef
3778 %
3779 \def\bididefcs#1{00\fi\bidicsarg\ifx{#1}\relax}
3780
3781 % Define uniquely defined dummy macros,
3782 % usually to serve as bumper blocks at the end of a list
3783 %
3784 \newcount\bididummies
3785 \def\DefNewDummy#1{
3786 \if\bididefcs{#1}\bidicsarg\edef{#1}{\bididum\the\bididummies}
3787 \advance\bididummies\@ne
3788 \else
3789 \bidieerror{Attempt at second definition of `#1'}
3790 \fi}
3791
3792 % string case statement
3793 % use: \bidiswitch \iftest{...} in:
3794 % item1 action1
3795 % ...
3796 % itemn actionn
3797 % default defaultaction [optional]
3798 % \endbidiswitch
3799 % inspired by Jonathan Fine: Some Basic Control Macros
3800 % Tugboat 12 #4
3801 %
3802 \let\@bidifi\fi \let\endbidiswitch\relax \DefNewDummy{\bididef}
3803 \def\bidiswitch@exit #1 \@bidifi #2 \endbidiswitch {\fi #1}
3804 \def\bidiswitch #1#2#3{\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3805 #1{#2}\bidiswitch@exit #3 \@bidifi
3806 \bidiswitch {#1}
3807 }
3808 % this version puts the test object in {}
3809 \def\bidioswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3810 #1{#2}\bidiswitch@exit #3 \@bidifi
3811 \bidiswitch #1 in:
3812 }
3813 % this version assumes that the test object is just one character
3814 \def\bidicswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3815 #1#2\bidiswitch@exit #3 \@bidifi
3816 \bidicswitch #1 in:
3817 }
3818 % this version assumes that the test object can have an optional space
3819 \def\bidibswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3820 #1#2 \bidiswitch@exit #3 \@bidifi
3821 \bidibswitch #1 in:
3822 }
3823 % this version can cope with significant spaces at the start of #3;
3824 % #2 is macro argument
3825 \def\bidimswitch #1 in: #2:#3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3826 #1{#2}\bidiswitch@exit #3 \@bidifi
3827 \bidimswitch #1 in:

```



```

3828 }
3829 % idem; #2 does not have to be enclosed in braces
3830 \def\@bidi@fswitch #1 in: #2:#3; {\@bidi@csarg\ifx{#2}\@bidi@default\@bidi@switch@exit #3 \@bidi@fi}
3831 #1#2 \@bidi@switch@exit #3 \@bidi@fi
3832 \@bidi@fswitch #1 in:
3833 }
3834
3835 % Routines for taking the value of a string:
3836 % if the string is defined as control sequence
3837 % take the value of that, otherwise take the string itself
3838
3839 % String or value of control sequence
3840 %
3841 \def\@bidi@ww#1{\if\@bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3842
3843 % String or control sequence
3844 %
3845 \def\@bidi@ww#1{\if\@bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3846
3847 % String or \noexpand-ed control sequence;
3848 % for use in \edef
3849 %
3850 \newif\ifbidi@in@label
3851 \def\@bidi@ww#1{\if\@bidi@undefinedcs{#1}#1\else
3852 \ifbidi@in@label\noexpand\protect\fi \@bidi@csname{#1}\fi}
3853 \newtoks\@bidi@are@these@correct
3854 \def\@bidi@t@ww#1{%
3855 \if\@bidi@undefinedcs{#1}#1%
3856 \ifdefining\@bidi@append@to@list\@bidi@are@these@correct{#1 }\fi
3857 \else
3858 \ifin@label\noexpand\protect\fi \@bidi@csname{#1}\fi}
3859
3860 % List Manipulation .....
3861 % this assumes that #1 is a list of tokens, #2 is the name of a list
3862 %
3863 % Names of lists (and of items to pop into) are given as strings;
3864 % not as control sequences.
3865 %
3866 \newtoks\@bidi@toks@lista \newtoks\@bidi@toks@listb
3867 % basic append/prepend macro
3868 \long\def\@bidi@append@to@cslist#1#2#3{\begingroup\@bidi@toks@lista=#2{#3}%
3869 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\@bidi@toks@listb}
3870 \long\def\@bidi@prepend@to@cslist#1#2#3{\begingroup\@bidi@toks@lista=#2{#3}%
3871 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\@bidi@toks@listb}
3872 \def\@bidi@append@to@list{\@bidi@csarg\@bidi@append@to@cslist}
3873 \def\@bidi@prepend@to@list{\@bidi@csarg\@bidi@prepend@to@cslist}
3874 % variations:
3875 \long\def\@bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
3876 \long\def\@bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#2}}
3877 \def\@bidi@append@list@to@list#1#2{%
3878 \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\endcsname}
3879 \def\@bidi@prepend@list@to@list#1#2{%
3880 \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\endcsname}
3881 \def\@bidi@append@cslist@to@cslist#1#2{%

```



```

3882 \@bidi@append@to@cslst{#1}\expandafter{\the#2}}
3883 \def\bidi@prepend@cslst@to@cslst#1#2{%
3884 \@bidi@prepend@to@cslst{#1}\expandafter{\the#2}}
3885 \def\bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
3886 \def\bidi@prepend@toks@cs@to@list#1#2{\@bidi@prepend@to@list{#1}\expandafter{\the#2}}
3887
3888 \let\bidi@willbeunhskip\unhskip
3889
3890 % A few list macros for the user
3891 \def\NewTokenList:#1 {\bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3892 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
3893 \long\def\AppendToTokenList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
3894 \long\def\PrependToTokenList:#1=#2 {\@bidi@prepend@to@list{#1}{#2}}
3895 \def\TheTokenList:#1 {\let\bidi@oldwbusekip\bidi@willbeunhskip \let\bidi@willbeunhskip\empty
3896 \if\bidi@undefinedcs{#1}\bidi@error{Token List <#1> undefined}
3897 \else\bidi@csarg\the{#1}\fi
3898 \let\bidi@willbeunhskip\bidi@oldwbusekip}
3899
3900 \def\bidi@del@tok@from@list#1#2{\begingroup
3901 \long\def\bidi@cs@liste##1#2##2\bidi@tok@SM
3902 {\bidi@toks@lista{##1}\bidi@toks@listb{##2}%
3903 \edef\bidi@cs@listb{\global\bidi@csname{#1}=
3904 {\the\bidi@toks@lista\the\bidi@toks@listb}}%
3905 \bidi@cs@listb}%
3906 \edef\bidi@cs@lista{\noexpand\bidi@cs@liste}\expandafter\the\csname#1\endcsname\noexpand
3907 \bidi@cs@lista \endgroup}
3908 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3909 \bidi@in@front@of@cslst\bidi@cs@lista}
3910 \long\def\bidi@in@front@of@cslst#1#2{\begingroup\bidi@toks@lista={#2}%
3911 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@list
3912 \endgroup}
3913 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
3914 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3915 {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3916 \expandafter\the\csname#1\endcsname}%
3917 }
3918 \def\bidi@set@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3919 \bidi@set@cslst\bidi@cs@lista}
3920 \long\def\bidi@set@cslst#1#2{\begingroup\bidi@toks@lista={#2}%
3921 \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
3922
3923 %%%%%%%%%%%%%%% Stack macros
3924 %
3925 % push in terms of prepending of lists
3926 \def\bidi@push@cs@onto@cs#1#2{\@bidi@prepend@to@cslst#1\expandafter{\expandafter\\expandafter
3927 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@cs{#1}}
3928 \def\bidi@push@onto@cs#1#2{\@bidi@prepend@to@cslst#1{\{\{#2}\}}
3929 \def\bidi@local@push@onto#1#2{\let\=\relax
3930 \bidi@local@in@front@of@list{#1}{\{\{#2}\}}
3931 % pop via auxiliary macro: #1 is result, #2 is stack
3932 % two cs arguments
3933 \def\bidi@pop@cs@into#1#2{\edef\bidi@cs@e
3934 {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
3935 % two string arguments

```



```

3936 \def\bidipop@into#1#2{\edef\bidics@e
3937   {\noexpand\@bidipopinto\bidicsname{#1}\bidicsname{#2}\bidicsarg\the{#2}\noexpand\@b
3938 \long\def\@bidipopinto#1#2\#3#4\@bidipop{#1{#3}#2{#4}}
3939 \def\bidicopy@stacktop#1#2{%
3940   \edef\bidics@e{\noexpand\@bidicopy@stacktop
3941     {#1}\bidicsarg\the{#2}\noexpand\@bidipop}%
3942   \bidics@e}
3943 \def\@bidicopy@stacktop#1\#2#3\@bidipop{\csname#1\endcsname#2\relax}
3944 \newcount\bidistack@length \newtoks\bidie@empty@stack \bidie@empty@stack{\{\}}
3945 \def\bidilength@of@stack#1{\bidicsarg\bidilength@of@csstack{#1}}
3946 \def\bidilength@of@csstack#1{\def\##1{\advance\bidistack@length\@ne}%
3947   \bidistack@length\@m@ne \the#1}
3948 % turn a stack upside down
3949 \def\bidinvert@csstack#1{\bidilength@of@csstack{#1}%
3950   \biditempcountb\z@ \biditemptoksa\bidie@empty@stack
3951   \loop\ifnum\biditempcountb<\bidistack@length
3952     \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length\@m@ne
3953     \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
3954 %   \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
3955 %   \biditemptoksa\biditemptoksb
3956   \repeat% copy b to a
3957   #1\biditemptoksa \biditemptoksa\bidie@empty@toks}
3958 % invert a stack into a list
3959 \def\bidix@stack@to@list#1{\bidilength@of@stack{#1}%
3960   \biditempcountb\z@ \biditemptoksa\bidie@empty@toks
3961   \loop\ifnum\biditempcountb<\bidistack@length
3962     \bidipop@into\biditemptoksb{#1}\advance\bidistack@length\@m@ne
3963     \bidipush@list@to@list\biditemptoksb\biditemptoksa\repeat
3964   \csname#1\endcsname\biditemptoksa \biditemptoksa\bidie@empty@toks}
3965
3966
3967 % General loop macro:
3968 % \looprepeat
3969 %   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<en
3970 %   \untilcondition{<cond>} \whilecondition{<cond>}
3971 %   \doloopbody { <loop body> }
3972 % where all control sequences in between \looprepeat and \doloopbody are optional.
3973 %
3974 % var: characters to form a control sequence;
3975 %   after \forvariable{index} you can access the loop counter as \index.
3976 %   This is a count register; to print it use \number\index.
3977 % start,step,end: integers with obvious relations to the loop counter;
3978 %   start and step have a default value of 1
3979 % cond: (sequence of commands ending in) any TeX \if... test.
3980 %
3981 % Count down instead of up with \downtovalue; the increment given in \bystep
3982 % is always positive, and is added or subtracted accordingly.
3983 %
3984 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3985 % at the beginning of the loop body.
3986 %
3987 % Exit from middle of loop: \breaklooprepeat
3988 % use this at any place in the loop; in case of a conditional use
3989 % \ifsomething ... \expandafter \breaklooprepeat \fi

```



```

3990%
3991% Note that the line ends do not cause spaces in the output.
3992%
3993% Technical details:
3994% The loop body is not executed in a group: the braces are those
3995% of a token list.
3996% The 'forvariable' variable is \let to a \count register.
3997
3998
3999
4000% Auxiliary stuff
4001\def\bidilooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
4002\def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
4003\def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@depth\endcsname}
4004
4005\newcount\bidilooprepeat@depth
4006\let\endlooprepeat\relax \def\bidicsprotect{}
4007% Trace switches may later be defined by PAC_utils
4008\let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
4009
4010% Main repeatloop macro
4011% - go to next level and allocate unique counter/toks if this is the
4012%   first time we visit this level
4013% - setup: gather bounds and termination conditions
4014% - scoop up body in token list; after the assignment define and
4015%   execute body
4016\def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
4017  \advance\bidilooprepeat@depth\@ne\relax
4018  \bidilooprepeat@csargromannumeral\ifx\bidilooprepeat@count\relax
4019    \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidilooprepeat@depth}
4020    \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
4021    \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
4022    \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
4023  \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{}\def\bidilooprepeat@comp{>}\bidilooprepeat@comp
4024  \edef\bidilooprepeat@tmp
4025    {\def\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}{\bidilooprepeat@body}%
4026    \afterassignment\bidilooprepeat@dxbody\bidilooprepeat@csromannumeral{\bidilooprepeat@body}%
4027  }
4028% Define and execute loop body
4029% This is done with an \edef to construct the actual sequence
4030\def\bidilooprepeat@dxbody{\bidilooprepeat@csargromannumeral\edef{\bidilooprepeat@body}{%
4031  \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}%
4032  \noexpand\the\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@toks}%
4033  \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@utest}%
4034  \global\bidilooprepeat@csargromannumeral\advance{\bidilooprepeat@count} by \bidilooprepeat@depth\relax
4035  \noexpand\endlooprepeat
4036  \bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}}}%
4037  \bidilooprepeat@csromannumeral{\bidilooprepeat@body}\ignorespaces}
4038
4039% Stop test
4040%% In order to stop, issue a
4041% \breaklooprepeat which scoops up the rest of the body and exits
4042\def\breaklooprepeat#1\endlooprepeat{\bidilooprepeat@zero\bidilooprepeat@csargromannumeral
4043  \advance\bidilooprepeat@depth\@m\@ne \bidilooprepeat@traceexit

```




```

4044 }
4045
4046
4047 % Setup
4048 % gather bounds and termination conditions
4049 \def\ bidi@looprepeat@setup#1{%
4050   \begingroup
4051     \def\forvariable##1{%
4052       \edef\ bidi@looprepeat@tmp{%
4053         \global\let\ bidi@looprepeat@csarg\noexpand{##1}\ bidi@looprepeat@csromannumeral{\ bidi@
4054         \ bidi@looprepeat@tmp}%
4055       \def\fromvalue##1{\ bidi@looprepeat@csargromannumeral\global{\ bidi@looprepeat@count}##1\ig
4056       \def\tovalue##1{%
4057         \edef\ bidi@looprepeat@tmp{\global\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@loop
4058         {\ bidi@looprepeat@csargromannumeral\the{\ bidi@looprepeat@wtest}%
4059         \noexpand\ifnum\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@looprepeat@count}\ bi
4060         \noexpand\expandafter \noexpand\breaklooprepeat
4061         \noexpand\fi}\ignorespaces}%
4062       \ bidi@looprepeat@tmp}%
4063     \def\downtovalue##1{%
4064       \gdef\ bidi@looprepeat@sign{-}\gdef\ bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
4065     \def\bystep##1{\ifnum##1<0 \ bidi@error{LOOPREPEAT: increment has to be a positive value}
4066       \ bidi@looprepeat@csargromannumeral\gdef{\ bidi@looprepeat@inc}{-##1}\else
4067       \ bidi@looprepeat@csargromannumeral\gdef{\ bidi@looprepeat@inc}{##1}\fi\ignoresp
4068     \def\untilcondition##1{%
4069       \edef\ bidi@looprepeat@tmp{\global\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@loop
4070       {\noexpand##1\relax
4071       \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
4072     \ bidi@looprepeat@tmp}%
4073     \def\whilecondition##1{%
4074       \edef\ bidi@looprepeat@tmp{\global\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@loop
4075       {\noexpand##1\relax \noexpand\else
4076       \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
4077     \ bidi@looprepeat@tmp}%
4078     \fromvalue{\@ne}\bystep{\@ne}#1%
4079   \endgroup}
4080 \def\ bidi@looprepeat@zero
4081   {\ bidi@looprepeat@csromannumeral{\ bidi@looprepeat@toks}{}\ bidi@looprepeat@csromannumeral{\ bi
4082   \ bidi@looprepeat@csargromannumeral\def{\ bidi@looprepeat@body}{}}
4083
4084 %\tracingmacros2
4085 %\newcount\tmpcount % used in some examples below
4086
4087 %\looprepeat \forvariable{i}
4088 %      \bystep{2}
4089 %  \doloopbody {%
4090 %    \ifnum i=13 \expandafter\breaklooprepeat \fi
4091 %    \number i}%
4092 %}%
4093
4094 %\looprepeat \forvariable{iii}
4095 %      \tovalue{8}
4096 %  \doloopbody {}
4097 %After loop: \number iii%

```



```

4098
4099 %\looprepeat \forvariable{i}
4100 %      \fromvalue{10}
4101 %      \bystep{2}
4102 %      \downtovalue{0}
4103 %      \doloopbody {\number{i}} }
4104
4105 %\looprepeat \forvariable{x} \whilecondition{\ifnum{x}<7}
4106 %      \doloopbody {\number{x}} }
4107
4108 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
4109
4110 %\looprepeat \forvariable{j}
4111 %      \untilcondition{\tmpcount>j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
4112 %      \doloopbody {\number{j}} }
4113
4114 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
4115 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
4116 %   \doloopbody {(\number{i}.\number{j}) }
4117 % }
4118
4119 % infinite loop
4120 %\looprepeat \doloopbody {}
4121
4122 \renewcommand{\InputIfFileExists}[2]{%
4123   \begingroup\expandafter\expandafter\expandafter\endgroup
4124   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
4125     \expandafter\@secondoftwo
4126   \else
4127     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
4128     \expandafter\@firstoftwo
4129   \fi
4130   {%
4131     \expandafter\InputIfFileExists\expandafter{\csname
4132       #1-@bidi@alias\endcsname}{#2}%
4133   }%
4134   {\IfFileExists{#1}{%
4135     \bidi@load@hook{before}{#1}%
4136     #2\@addtofilelist{#1}%
4137     \@input \@filef@und
4138     \bidi@load@hook{after}{#1}%
4139   }}%
4140 }
4141
4142 \newcommand*{\bidi@loadwithoptions}{ }
4143 \newcommand*{\bidi@loadwithoptions}{ }
4144 \let\bidi@loadwithoptions\@loadwithoptions
4145
4146 \renewcommand*{\@loadwithoptions}[3]{%
4147   \begingroup\expandafter\expandafter\expandafter\endgroup
4148   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
4149     \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
4150   \else
4151     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%

```



```

4152 \def\bidid@loadwithoptions{%
4153 \loadwithoptions{#1}{#2}{\csname #3.#1-@bidid@aliasname\endcsname}%
4154 }%
4155 \fi
4156 \bidid@loadwithoptions
4157 }
4158
4159 \newcommand*{\bidid@onefilewithoptions}{%
4160 \let\bidid@onefilewithoptions\onefilewithoptions
4161 \def\@onefilewithoptions#1[#2][#3]#4{%
4162 \begin{group}\expandafter\expandafter\expandafter\endgroup
4163 \expandafter\ifx\csname #1.#4-@bidid@aliasname\endcsname\relax
4164 \def\bidid@onefilewithoptions{\bidid@onefilewithoptions{#1}}%
4165 \else
4166 \bidid@replacefile@msg{\csname #1.#4-@bidid@aliasname\endcsname.#4}{#1.#4}%
4167 \edef\bidid@onefilewithoptions{%
4168 \noexpand\@onefilewithoptions{\csname #1.#4-@bidid@aliasname\endcsname}}%
4169 \fi
4170 \bidid@onefilewithoptions[{#2}][{#3}]{#4}%
4171 \bidid@load@hook{lateafter}{#1.#4}%
4172 }
4173
4174 \newcommand*{\bidid@ReplaceInput}[2]{%
4175 \expandafter\edef\csname #1-@bidid@alias\endcsname{#2}%
4176 }
4177
4178 \newcommand*{\bidid@UnReplaceInput}[1]{%
4179 \ifcsname #1-@bidid@alias\endcsname
4180 \expandafter\let\csname #1-@bidid@alias\endcsname\relax
4181 \fi
4182 }
4183
4184 \newcommand*{\@bidid@replacefilewithext}[3]{%
4185 \expandafter\edef\csname #1.#3-@bidid@aliasname\endcsname{#2}%
4186 }
4187 \newcommand*{\bidid@ReplacePackage}[2]{%
4188 \@bidid@replacefilewithext{#1}{#2}\@pkgextension
4189 }
4190 \newcommand*{\bidid@ReplaceClass}[2]{%
4191 \@bidid@replacefilewithext{#1}{#2}\@clsextension
4192 }
4193 \newcommand*{\@bidid@unreplacefilewithext}[2]{%
4194 \ifcsname #1.#2-@bidid@aliasname\endcsname
4195 \expandafter\let\csname #1.#2-@bidid@aliasname\endcsname\relax
4196 \fi
4197 }
4198 \newcommand*{\bidid@UnReplacePackage}[1]{%
4199 \@bidid@unreplacefilewithext{#1}\@pkgextension
4200 }
4201 \newcommand*{\bidid@UnReplaceClass}[1]{%
4202 \@bidid@unreplacefilewithext{#1}\@clsextension
4203 }
4204 \newcommand*{\bidid@replacefile@msg}[2]{%
4205 \PackageInfo{biditools}{inputing `#1' instead of `#2'}%

```



```

4206 }
4207
4208 \newcommand*{\bidi@load@hook}[2]{%
4209   \@ifundefined{#2-@#1}{}%
4210   \@nameuse{#2-@#1}%
4211   \expandafter\let\csname #2-@#1\endcsname=\relax}}
4212 \newcommand*{\bidi@set@load@hook}[2]{%
4213   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}}%
4214   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
4215 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
4216 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
4217 \newcommand*{\bidi@BeforeClass}[1]{%
4218   \bidi@set@load@hook{before}{#1.\@clsextension}}
4219 \newcommand*{\bidi@AfterClass}{%
4220   \ifstar {\@s@bidi@AfterClass}{%
4221     \ifnextchar +\@@bidi@AfterClass{%
4222       \ifnextchar !\@@@bidi@AfterClass\@bidi@AfterClass
4223     }%
4224   }%
4225 }
4226
4227 \newcommand*{\@@@bidi@AfterClass}[2]{%
4228   \begingroup\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
4229     \aftergroup\@s@bidi@AfterClass
4230   \else
4231     \aftergroup\bidi@AfterAtEndOfClass
4232   \fi
4233   \endgroup{#2}%
4234 }
4235
4236 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
4237   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
4238 \newcommand*{\@@@bidi@AfterClass}[2]{%
4239   \begingroup
4240     \expandafter\ifx\csname #2.\@clsextension-h@@k\endcsname\relax
4241       \aftergroup\@s@bidi@AfterClass
4242     \else
4243       \aftergroup\@bidi@AfterClass
4244     \fi
4245   \endgroup{#2}%
4246 }
4247
4248 \newcommand*{\@bidi@AfterClass}[1]{%
4249   \bidi@set@load@hook{after}{#1.\@clsextension}}
4250 \newcommand*{\@s@bidi@AfterClass}[1]{%
4251   \begingroup
4252     \@ifclassloaded{#1}{%
4253       \aftergroup\@secondoftwo
4254     }{%
4255       \aftergroup\@bidi@AfterClass
4256     }%
4257   \endgroup
4258   {#1}%
4259 }

```



```

4260
4261
4262 \newcommand*{\bidi@BeforePackage}[1]{%
4263   \bidi@set@load@hook{before}{#1.\@pkgextension}}
4264 \newcommand*{\bidi@AfterPackage}{%
4265   \ifstar {\@s@bidi@AfterPackage}{%
4266     \ifnextchar +\@@bidi@AfterPackage{%
4267       \ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage
4268     }%
4269   }%
4270 }
4271 \newcommand*{\@@@bidi@AfterPackage}[2]{%
4272   \begingroup\ifx\cname #2.\@pkgextension-h@@k\endcname\relax
4273     \aftergroup\@s@bidi@AfterPackage
4274   \else
4275     \aftergroup\bidi@AfterAtEndOfPackage
4276   \fi
4277   \endgroup{#2}%
4278 }
4279 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
4280   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
4281 \newcommand*{\@@@bidi@AfterPackage}[2]{%
4282   \begingroup
4283     \expandafter\ifx\cname #2.\@pkgextension-h@@k\endcname\relax
4284     \aftergroup\@s@bidi@AfterPackage
4285   \else
4286     \aftergroup\bidi@AfterPackage
4287   \fi
4288   \endgroup{#2}%
4289 }
4290 \newcommand*{\@bidi@AfterPackage}[1]{%
4291   \bidi@set@load@hook{after}{#1.\@pkgextension}}
4292 \newcommand*{\@s@bidi@AfterPackage}[1]{%
4293   \begingroup
4294     \ifpackageloaded{#1}{%
4295       \aftergroup\@secondoftwo
4296     }{%
4297       \aftergroup\bidi@AfterPackage
4298     }%
4299   \endgroup
4300   {#1}%
4301 }
4302
4303 \newcommand*{\bidi@excludedpackages}{%
4304   \let\bidi@excludedpackages\@empty
4305 \newcommand*{\bidi@saves@RequirePackage}{%
4306 \newcommand*{\bidi@PreventPackageFromLoading}{%
4307   \ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}{%
4308     {\@bidi@PreventPackageFromLoading\PackageWarning}%
4309 }
4310 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
4311   \ifnextchar [%]
4312     {\@@@bidi@PreventPackageFromLoading#1}{\@@bidi@PreventPackageFromLoading#1 []}%
4313 }

```



```

4314 \newcommand*{\@@bidi@PreventPackageFromLoading}{%
4315
4316 \def\@@bidi@PreventPackageFromLoading#1[#2]#3{%
4317   \edef\reserved@b{\zap@space#3 \@empty}%
4318   \ifx \reserved@b\@empty
4319     #1{biditools}{%
4320       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
4321       argument ignored%
4322     }%
4323   \else
4324     \ifx\bidi@excludedpackages\@empty
4325       \let\bidi@saved@RequirePackage\RequirePackage
4326       \let\RequirePackage\bidi@RequirePackage
4327       \def\reserved@a##1##{%
4328         \@latex@error
4329         {\noexpand \usepackage before \string\documentclass}%
4330         {\noexpand \usepackage may only appear in the document
4331          preamble, i.e.,\MessageBreak
4332          between \noexpand\documentclass and
4333          \string\begin{document}.}%
4334         \@gobble}%
4335       \ifx\reserved@a\usepackage\else
4336         \ifx\usepackage\bidi@saved@RequirePackage\else
4337           \PackageWarning{biditools}{%
4338             Maybe serious problem: unexpected definition of\MessageBreak
4339             \string\usepackage
4340           }%
4341         \fi
4342         \let\usepackage\RequirePackage
4343       \fi
4344     \fi
4345     \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
4346     \reserved@b\do {%
4347       \ifx\reserved@a\@empty
4348         #1{biditools}{%
4349           empty package argument for
4350           \string\bidi@PreventPackageFromLoading\MessageBreak
4351           ignored%
4352         }%
4353       \else
4354         \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
4355           #1{biditools}{%
4356             package '\reserved@a' already loaded.\MessageBreak
4357             Cannot prevent it from being loaded%
4358           }%
4359         }{%
4360           \edef\bidi@excludedpackages{\bidi@excludedpackages,%
4361             \reserved@a}%
4362           \if\relax\detokenize{#2}\relax\else
4363             \ifundefined\bidi@exclude@package@\reserved@a @do{%
4364               \namedef\bidi@exclude@package@\reserved@a @do}{%
4365             }{}%
4366             \expandafter\def
4367             \csname bidi@exclude@package@\reserved@a

```



```

4368             @do\expandafter\expandafter\expandafter\endcsname
4369             \expandafter\expandafter\expandafter{%
4370             \csname bidi@exclude@package@\reserved@a @do\endcsname
4371             #2%
4372             }%
4373         \fi
4374     }%
4375 \fi
4376 }%
4377 \ifx\bidi@excludedpackages\@empty
4378 \bidi@ResetPreventPackageFromLoading
4379 \fi
4380 \fi
4381 }
4382
4383 \@onlypreamble\bidi@PreventPackageFromLoading
4384 \newcommand*{\bidi@ResetPreventPackageFromLoading}{%
4385 \let\bidi@excludedpackages\@empty
4386 \ifx\RequirePackage\bidi@RequirePackage
4387 \ifx\usepackage\RequirePackage
4388 \let\usepackage\bidi@saved@RequirePackage
4389 \fi
4390 \let\RequirePackage\bidi@saved@RequirePackage
4391 \fi
4392 }
4393 \@onlypreamble\bidi@ResetPreventPackageFromLoading
4394 \newcommand*{\bidi@StorePreventPackageFromLoading}[1]{%
4395 \let#1\bidi@excludedpackages
4396 }
4397 \@onlypreamble\bidi@StorePreventPackageFromLoading
4398 \newcommand*{\bidi@UnPreventPackageFromLoading}{%
4399 \@ifstar {\@tempwattrue\bidi@UnPreventPackageFromLoading}%
4400 {\@tempwafalse\bidi@UnPreventPackageFromLoading}%
4401 }
4402
4403 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
4404 \edef\reserved@b{\zap@space#1 \@empty}%
4405 \if@tempswa
4406 \@for\reserved@a:=\reserved@b\do {%
4407 \ifx\reserved@a\@empty \else
4408 \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
4409 \expandafter\let
4410 \csname bidi@exclude@package@\reserved@a @do\endcsname
4411 \undefined
4412 \fi
4413 \fi
4414 }%
4415 \fi
4416 \ifcsname bidi@excludedpackages\endcsname
4417 \let\reserved@a\bidi@excludedpackages
4418 \let\bidi@excludedpackages\@empty
4419 \expandafter\@for\expandafter\reserved@c
4420 \expandafter:\expandafter=\reserved@a
4421 \do{%

```



```

4422     \ifx\reserved@c\@empty\else
4423         \@expandtwoargs\in{,\reserved@c,}{,\reserved@b,}%
4424         \ifin@
4425         \else
4426             \edef\bidix@excludedpackages{%
4427                 \bidix@excludedpackages,\reserved@c
4428             }%
4429         \fi
4430     \fi
4431 }%
4432 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
4433 \fi
4434 }
4435
4436
4437 \newcommand*{\bidix@RequirePackage}[2][\]{%
4438     \let\reserved@c\@empty
4439     \let\reserved@d\@empty
4440     \edef\reserved@b{\zap@space#2 \@empty}%
4441     \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
4442     \do {%
4443         \begingroup
4444         \@tempswatrue
4445         \@for\reserved@a:=\bidix@excludedpackages\do {%
4446             \ifx\reserved@a\reserved@b
4447                 \@tempswafalse
4448             \fi
4449         }%
4450         \if@tempswa
4451             \xdef\reserved@c{\reserved@c,\reserved@b}%
4452         \else
4453             \ifx\reserved@b\@empty\else
4454                 \PackageInfo{biditools}{Excluding package `'\reserved@b'\MessageBreak
4455                     from loading}%
4456                 \@ifundefined{bidix@exclude@package@\reserved@b @do}{%
4457                     }{%
4458                         \expandafter\g@addto@macro\expandafter\reserved@d
4459                         \csname bidix@exclude@package@\reserved@b @do\endcsname
4460                     }%
4461             \fi
4462         \fi
4463     \endgroup
4464 }%
4465 \ifx\reserved@c\@empty
4466     \let\reserved@a\bidix@gobbleopt
4467 \else
4468     \edef\reserved@a{\noexpand\bidix@saves@RequirePackage[#1]{%
4469         \expandafter\@gobble\reserved@c\@empty}}%
4470 \fi
4471 \expandafter\reserved@d
4472 \reserved@a
4473 }
4474
4475 \newcommand{\bidix@gobbleopt}[1][\]{%

```




```

4476 \AtEndDocument{%
4477   \let\bidisaved@checkend=\@checkend
4478   \renewcommand*{\@checkend}[1]{%
4479     \def\reserved@a{#1}\def\reserved@b{document}%
4480     \bidisaved@checkend{#1}%
4481     \ifx\reserved@a\reserved@b
4482       \let\bidisaved@clearpage=\clearpage
4483       \renewcommand*{\clearpage}{\bidisaved@clearpage
4484         \bidi@hook@bcma
4485         \bidi@restore@newpage
4486         \let\clearpage=\bidisaved@clearpage}%
4487     \fi%
4488     \let\bidisaved@dofilelist\@dofilelist
4489     \def\@dofilelist{%
4490       \bidi@hook@acma
4491       \let\@dofilelist\bidisaved@dofilelist
4492       \bidisaved@dofilelist
4493     }%
4494   }%
4495 }
4496
4497
4498 \newcommand*{\bidisaved@checkend}{}
4499 \newcommand*{\bidisaved@dofilelist}{}
4500 \newcommand*{\bidi@redefine@newpage}{%
4501   \let\bidisaved@newpage\newpage
4502   \def\bidi@restore@newpage{%
4503     \renewcommand*{\newpage}{%
4504       \PackageWarningNoLine{%
4505         biditools%
4506       }{%
4507         \string\newpage\space at main aux file!\MessageBreak
4508         You have output material at the main aux file.\MessageBreak
4509         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
4510         are processed before the output from aux file%
4511       }%
4512       \let\newpage\bidisaved@newpage
4513       \newpage
4514     }%
4515   }%
4516   \renewcommand*{\newpage}{%
4517     \PackageError{%
4518       biditools%
4519     }{%
4520       \string\newpage\space at \string\bidi@BeforeClosingMainAux
4521     }{%
4522       You should never use \string\newpage\space or
4523       \string\clear(double)page or other output material at the\MessageBreak
4524       argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
4525       If you'll continue, the \string\newpage\space will be ignored to
4526       avoid corruption of\MessageBreak
4527       every prior use of \string\bidi@BeforeClosingMainAux.
4528     }%
4529   }%

```



```

4530 }
4531
4532 \newcommand*{\bidi@restore@newpage}{}
4533 \newcommand*{\bidi@hook@bcma}{}
4534 \newcommand*{\bidi@hook@acma}{}
4535 \newcommand*{\bidi@BeforeClosingMainAux}{%
4536   \ifx\bidi@hook@bcma\@empty
4537     \gdef\bidi@hook@bcma{%
4538       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{####1}%
4539       \let\protected@write\bidi@protected@immediate@write
4540       \bidi@redefine@newpage
4541     }%
4542   \fi
4543   \g@addto@macro\bidi@hook@bcma%
4544 }
4545
4546 \newcommand*{\bidi@AfterReadingMainAux}{%
4547   \ifx\bidi@hook@acma\@empty
4548     \gdef\bidi@hook@acma{%
4549       \renewcommand*{\bidi@AfterReadingMainAux}[1]{####1}%
4550       \let\protected@write\bidi@protected@immediate@write
4551     }%
4552   \fi
4553   \g@addto@macro\bidi@hook@acma%
4554 }
4555
4556 \long\def\bidi@protected@immediate@write#1#2#3{%
4557   \begingroup
4558     #2%
4559     \let\protect\@unexpandable@protect
4560     \edef\reserved@a{\immediate\write#1{#3}}%
4561     \reserved@a
4562   \endgroup
4563   \if@nobreak\ifvmode\nobreak\fi\fi
4564 }
4565
4566 \def\bidi@patch@counter{0}%
4567 \if@bidi@csundef{numexpr}{%
4568   \def\bidi@patch@stepcounter{%
4569     \begingroup
4570       \count@\bidi@patch@counter\relax
4571       \advance\count@\@ne\relax
4572     \edef\x{\endgroup
4573       \noexpand\def\noexpand\bidi@patch@counter{\the\count@}%
4574     }%
4575     \x
4576   }%
4577 }{%
4578   \def\bidi@patch@stepcounter{%
4579     \edef\bidi@patch@counter{%
4580       \the\numexpr\bidi@patch@counter+\@ne\relax
4581     }%
4582   }%
4583 }

```



```

4584 \def\bidipatch@list{}
4585 \def\bidipatch@Add{%
4586   \bidipatch@list
4587 }
4588 \def\bidipatch@AfterPackage#1{%
4589   \ifpackageloaded{#1}{%
4590     \@firstofone
4591   }{%
4592     \bidipatch@AfterPackage{#1}%
4593   }%
4594 }
4595 \def\@bidipatch@AfterPackage#1{%
4596   \edef\bidipatch@temp{#1}%
4597   \bidipatch@stepcounter
4598   \expandafter\bidipatch@@AfterPackage
4599   \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
4600     \bidipatch@temp
4601   }%
4602 }
4603 \def\bidipatch@@AfterPackage#1#2#3{%
4604   \begingroup
4605     \toks@{#3}%
4606     \xdef\bidipatch@gtemp{%
4607       \noexpand\@ifpackageloaded{#2}{%
4608         \noexpand\let\noexpand#1\noexpand\relax
4609         \the\toks@
4610       }{%
4611       }%
4612     }
4613     \let#1\bidipatch@gtemp
4614     \bidipatch@Add#1%
4615     \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
4616 }
4617
4618 \def\bidipatch@try#1#2#3{%
4619   \if@bidicsundef{#1}{%
4620     \csname #1\endcsname{#2}{#3}%
4621   }%
4622 }
4623
4624 \AtBeginDocument{\bidipatch@list}
4625
4626 \bidipatch@AtEndPreamble{\bidipatch@list}%
4627
4628 \bidipatch@AfterEndPreamble{%
4629   \let\bidipatch@OrgIfPackageLoaded\@ifpackageloaded
4630   \let\bidipatch@OrgIfPackageLater\@ifpackagelater
4631   \let\bidipatch@OrgIfClassLoaded\@ifclassloaded
4632   \let\bidipatch@OrgIfClassLater\@ifclasslater
4633   \bidipatch@list
4634   \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded
4635   \let\@ifpackagelater\bidipatch@OrgIfPackageLater
4636   \let\@ifclassloaded\bidipatch@OrgIfClassLoaded
4637   \let\@ifclasslater\bidipatch@OrgIfClassLater

```



4638 }%

22 File `bidituftefloat.sty`

```
4639 \NeedsTeXFormat{LaTeX2e}
4640 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
4641 bidi implementation of tufte float]
4642 \RequirePackage{xifthen}
4643 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
4644 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
4645 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{@bidituftefloat@debug}}{\bid
4646 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
4647 \newboolean{@bidituftefloat@reversegeometry}
4648 \setboolean{@bidituftefloat@reversegeometry}{false}
4649 \DeclareOption{reversegeometry}{\setboolean{@bidituftefloat@reversegeometry}{true}}
4650 \newboolean{@bidituftefloat@a4paper}
4651 \DeclareOption{a4paper}{\setboolean{@bidituftefloat@a4paper}{true}}
4652 \newboolean{@bidituftefloat@b5paper}
4653 \DeclareOption{b5paper}{\setboolean{@bidituftefloat@b5paper}{true}}
4654 \newboolean{@bidituftefloat@symmetric}
4655 \newboolean{@bidituftefloat@twoside}
4656 \DeclareOption{twoside}{%
4657 \@twoside true \mparswitch true%
4658 \setboolean{@bidituftefloat@twoside}{true}%
4659 \setboolean{@bidituftefloat@symmetric}{true}%
4660 }
4661 \DeclareOption{oneside}{%
4662 \@twoside false \mparswitch false%
4663 \setboolean{@bidituftefloat@twoside}{false}%
4664 \setboolean{@bidituftefloat@symmetric}{false}%
4665 }
4666 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4667 \newboolean{@bidituftefloat@debug}
4668 \newcommand*{\@bidituftefloat@caption@justification}{\@bidituftefloat@justification@autodete
4669 \ProcessOptions
4670 %% Globally sets the length
4671 \newcommand*{\gsetlength}[2]{%
4672 \setlength{#1}{#2}%
4673 \global#1=#1\relax%
4674 }
4675
4676 %% Set the font sizes and baselines to match bidituftefloat's books
4677 \renewcommand\normalsize{%
4678 \setfontsize\normalsize\@xpt{14}%
4679 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4680 \abovedisplayshortskip \z@ \@plus3\p@
4681 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4682 \belowdisplayskip \abovedisplayskip
4683 \let\@listi\@listI}
4684 \normalbaselineskip=14pt
4685 \normalsize
4686 \renewcommand\footnotesize{%
4687 \setfontsize\footnotesize\@viipt{10}%
4688 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
```



```

4689 \abovedisplayskip \z@ \@plus\p@
4690 \belowdisplayskip 3\p@ \@plus\p@ \@minus2\p@
4691 \def\@listi{\leftmargin\leftmargin
4692         \topsep 3\p@ \@plus\p@ \@minus\p@
4693         \parsep 2\p@ \@plus\p@ \@minus\p@
4694         \itemsep \parsep}%
4695 \belowdisplayskip \abovedisplayskip
4696 }
4697 %% Paragraph indentation and separation for marginal text
4698 \newcommand{\@bittuftefloat@margin@par}{%
4699 \setlength{\RaggedRightParindent}{0.5pc}%
4700 \setlength{\JustifyingParindent}{0.5pc}%
4701 \setlength{\parindent}{0.5pc}%
4702 \setlength{\parskip}{0pt}%
4703 }
4704 \RequirePackage{ragged2e}
4705 \ifthenelse{\boolean{@bittuftefloat@reversegeometry}}{%
4706 \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
4707 \ifthenelse{\boolean{@bittuftefloat@a4paper}}
4708 {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
4709 {}
4710 \ifthenelse{\boolean{@bittuftefloat@b5paper}}
4711 {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm
4712 {}}%
4713 \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar
4714 \ifthenelse{\boolean{@bittuftefloat@a4paper}}
4715 {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar
4716 {}
4717 \ifthenelse{\boolean{@bittuftefloat@b5paper}}
4718 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,
4719 {}
4720 \ifthenelse{\boolean{@bittuftefloat@symmetric}}
4721 {}
4722 {\geometry{asymmetric}}% forces internal LaTeX `twoside'
4723 \setlength{\marginparpush}{10pt}
4724 %% Font for margin items
4725 \newcommand{\@bittuftefloat@marginfont}{\normalfont\footnotesize}
4726 \newcommand*{\@bittuftefloat@captionfont}{\@bittuftefloat@marginfont}
4727 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@bittuftefloat@captionfont}{#1}}
4728 \newcommand{\@bittuftefloat@justification}{\justifying}%
4729 \setlength{\abovedisplayskip}{6pt plus 2pt minus 4pt}
4730 \setlength{\belowdisplayskip}{6pt plus 2pt minus 4pt}
4731 \newboolean{@bittuftefloat@changepage}
4732 \IfFileExists{changepage.sty}{%
4733 \bittuftefloatDebugInfoNL{Found changepage.sty}
4734 \RequirePackage[strict]{changepage}
4735 \setboolean{@bittuftefloat@changepage}{true}
4736 }{%
4737 \bittuftefloatDebugInfoNL{Found chngpage.sty}
4738 \RequirePackage[strict]{chngpage}
4739 \setboolean{@bittuftefloat@changepage}{false}
4740 }
4741 \newboolean{@bittuftefloat@odd@page}
4742 \setboolean{@bittuftefloat@odd@page}{true}

```



```

4743 \newcommand*{\@biditytfloat@checkoddpages}{%
4744 \checkoddpages%
4745 \ifthenelse{\boolean{@biditytfloat@changepages}}{%
4746 \ifoddpages%
4747 \setboolean{@biditytfloat@oddpages}{true}%
4748 \else%
4749 \setboolean{@biditytfloat@oddpages}{false}%
4750 \fi%
4751 }{%
4752 \ifcpoddpages%
4753 \setboolean{@biditytfloat@oddpages}{true}%
4754 \else%
4755 \setboolean{@biditytfloat@oddpages}{false}%
4756 \fi%
4757 }%
4758 }
4759 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
4760 \newlength{\@biditytfloat@fullwidth}
4761 \newlength{\@biditytfloat@caption@fill}
4762 \newcommand{\@biditytfloatRecalculate}{%
4763 \setlength{\@biditytfloat@overhang}{\marginparwidth}
4764 \addtolength{\@biditytfloat@overhang}{\marginparsep}
4765
4766 \setlength{\@biditytfloat@fullwidth}{\textwidth}
4767 \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
4768 \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
4769
4770 \setlength{\@biditytfloat@caption@fill}{\textwidth}
4771 \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
4772 }
4773 \AtBeginDocument{\@biditytfloatRecalculate}
4774 \RequirePackage{optargs}% provides multiple optional arguments for commands
4775 \RequirePackage{placeins}
4776 \newsavebox{\@biditytfloat@margin@floatbox}
4777 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
4778 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in o
4779 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
4780 \begin{minipage}{\marginparwidth}%
4781 \@biditytfloat@caption@font%
4782 \def\@capytype{#2}%
4783 \hbox{\vspace*{#1}%
4784 \@biditytfloat@caption@justification%
4785 \@biditytfloat@margin@par%
4786 \noindent%
4787 }
4788 {\end{minipage}%
4789 \end{lrbox}%
4790 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
4791 }
4792 \newenvironment{marginfigure}[1][-1.2ex]%
4793 {\begin{@biditytfloat@margin@float}[#1]{figure}}
4794 {\end{@biditytfloat@margin@float}}
4795 \newenvironment{margintable}[1][-1.2ex]%
4796 {\begin{@biditytfloat@margin@float}[#1]{table}}

```



```

4797   {\end{@bidituftefloat@margin@float}}
4798 \newcommand*{\@bidituftefloat@justification@autodetect}{\justifying}%
4799
4800 \newcommand{\@bidituftefloat@float@debug@info}{}% contains debug info generated as the float
4801 \newcommand{\@bidituftefloat@float@debug}[1]{% adds debug info to the queue for output
4802   \ifthenelse{\equal{\@bidituftefloat@float@debug@info}{}}{%
4803     {\def\@bidituftefloat@float@debug@info{#1}}%
4804     {\g@addto@macro\@bidituftefloat@float@debug@info{\MessageBreak#1}}%
4805   }
4806 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4807 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidituftefloat@float@debug{
4808 \newboolean{@bidituftefloat@float@recto}
4809 \newcommand{\forcerectoofloat}{\GlobalSetBoolean{@bidituftefloat@float@recto}{true}\@bidituf
4810 \newcommand{\forceversoofloat}{\GlobalSetBoolean{@bidituftefloat@float@recto}{false}\@bidituf
4811 \newsavebox{\@bidituftefloat@figure@box}
4812 \newsavebox{\@bidituftefloat@caption@box}
4813 \let\@bidituftefloat@orig@float\@float
4814 \let\@bidituftefloat@orig@endfloat\endfloat
4815 \newlength{\@bidituftefloat@caption@vertical@offset}
4816 \setlength{\@bidituftefloat@caption@vertical@offset}{0pt}
4817 \newcommand{\@bidituftefloat@stored@shortcaption}{%
4818 \newcommand{\@bidituftefloat@stored@caption}{%
4819 \newcommand{\@bidituftefloat@stored@label}{%
4820 \long\def\@bidituftefloat@caption[#1][#2]#3{%
4821   \ifthenelse{\isempty{#1}}{%
4822     {\gdef\@bidituftefloat@stored@shortcaption{#3}}%
4823     {\gdef\@bidituftefloat@stored@shortcaption{#1}}%
4824     \gsetlength{\@bidituftefloat@caption@vertical@offset}{-#2}% we want a positive offset to l
4825     \gdef\@bidituftefloat@stored@caption{#3}%
4826   }
4827 \newcommand{\@bidituftefloat@label}[1]{%
4828   \gdef\@bidituftefloat@stored@label{#1}%
4829 }
4830 \newcommand{\@bidituftefloat@fps}{%
4831 \newboolean{@bidituftefloat@float@star}
4832 \newlength{\@bidituftefloat@float@contents@width}
4833 \newenvironment{@bidituftefloat@float}[3][htbp]%
4834   {% begin @bidituftefloat@float
4835     % Should this float be full-width or just text-width?
4836     \ifthenelse{\equal{#3}{star}}{%
4837       {\GlobalSetBoolean{@bidituftefloat@float@star}{true}}%
4838       {\GlobalSetBoolean{@bidituftefloat@float@star}{false}}%
4839     % Check page side (recto/verso) and store detected value -- can be overridden in environm
4840     \@bidituftefloat@checkoddpage%
4841     \ifthenelse{\boolean{@bidituftefloat@odd@page}}{%
4842       {\GlobalSetBoolean{@bidituftefloat@float@recto}{true}\@bidituftefloat@float@debug{Dete
4843       {\GlobalSetBoolean{@bidituftefloat@float@recto}{false}\@bidituftefloat@float@debug{Det
4844     % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages
4845     \renewcommand{\@bidituftefloat@fps}{#1}%
4846     \@bidituftefloat@float@debug{Allowed positions: [ #1 ]}%
4847     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
4848       {\renewcommand{\floatalignment}{b}\@bidituftefloat@float@debug{Presumed position: [bot
4849       {\renewcommand{\floatalignment}{t}\@bidituftefloat@float@debug{Presumed position: [top
4850     % Capture the contents of the \caption and \label commands to use later

```



```

4851 \global\let\@biditytfloat@orig@caption\caption%
4852 \global\let\@biditytfloat@orig@label\label%
4853 \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[] [Opt]}}%
4854 \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4855 % Handle subfigure package compatibility
4856 \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
4857   \bidi@patchcmd{\subfigure}{%
4858     \let\subfig@oldlabel=\label
4859   }{%
4860     \let\subfig@oldlabel=\@biditytfloat@orig@label
4861   }
4862 }{}
4863 {}
4864 \let\subtable=\subfigure
4865 }{}% subfigure package is not loaded
4866 \@biditytfloat@orig@float{#2}[#1]%
4867 \ifthenelse{\boolean{\@biditytfloat@float@star}}{%
4868   {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4869   {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4870 \begin{lrbox}{\@biditytfloat@figure@box}%
4871   \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4872 }{% end \@biditytfloat@float
4873   \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% a
4874   \end{minipage}%
4875 \end{lrbox}%
4876 % build the caption box
4877 \begin{lrbox}{\@biditytfloat@caption@box}%
4878   \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4879     \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@cap
4880     \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label
4881     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4882   \end{minipage}%
4883 \end{lrbox}%
4884 % now typeset the stored boxes
4885 \begin{fullwidth}%
4886   \begin{minipage}[\floatalignment]{\linewidth}%
4887     \ifthenelse{\boolean{\@biditytfloat@float@star}}{%
4888       {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
4889       {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidi
4890     \end{minipage}%
4891   \end{fullwidth}%
4892 \@biditytfloat@orig@endfloat% end original LaTeX float environment
4893 % output debug info
4894 \ifthenelse{\boolean{\@biditytfloat@debug}}{%
4895   \typeout{^^J^^J----- biditytfloat package float information -----}%
4896   \ifthenelse{\equal{\@biditytfloat@stored@label}{}}{%
4897     {\typeout{Warning: Float unlabeled!}}%
4898     {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4899   \typeout{Page number: [\thepage]}%
4900   \def\MessageBreak{^^J}%
4901   \typeout{\@biditytfloat@float@debug@info}%
4902   \ifthenelse{\boolean{\@biditytfloat@symmetric}}{%
4903     {\typeout{Symmetric: [true]}}%
4904     {\typeout{Symmetric: [false]}}%

```




```

4905 \typeout{-----^^J^^J}%
4906 }{}%
4907 % reset commands and temp boxes and captions
4908 \gdef\@biditytfloat@float@debug@info{}%
4909 \let\caption\@biditytfloat@orig@caption%
4910 \let\label\@biditytfloat@orig@label%
4911 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4912 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4913 \gdef\@biditytfloat@stored@shortcaption{}%
4914 \gdef\@biditytfloat@stored@caption{}%
4915 \gdef\@biditytfloat@stored@label{}%
4916 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4917 }
4918 \newcommand{\@biditytfloat@float@textwidth}[3][Opt]{%
4919 \ifthenelse{NOT\boolean{@biditytfloat@symmetric}}OR\boolean{@biditytfloat@float@recto}
4920 % asymmetric or page is odd, so caption is on the right
4921 \hbox{%
4922 \usebox{#2}%
4923 \hspace{\marginparsep}%
4924 \smash{\raisebox{#1}{\usebox{#3}}}%
4925 }
4926 \@biditytfloat@float@debug{Caption position: [right]}%
4927 }{% symmetric pages and page is even, so caption is on the left
4928 \hbox{%
4929 \smash{\raisebox{#1}{\usebox{#3}}}%
4930 \hspace{\marginparsep}%
4931 \usebox{#2}%
4932 }
4933 \@biditytfloat@float@debug{Caption position: [left]}%
4934 }%
4935 }
4936 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4937 \ifthenelse{\equal{\floatalignment}{b}}{%
4938 % place caption above figure
4939 \ifthenelse{NOT\boolean{@biditytfloat@symmetric}}OR\boolean{@biditytfloat@float@recto}
4940 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug
4941 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug
4942 }{% place caption below figure
4943 \ifthenelse{NOT\boolean{@biditytfloat@symmetric}}OR\boolean{@biditytfloat@float@recto}
4944 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug
4945 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug
4946 }%
4947 }
4948 \renewenvironment{figure}[1][htbp]%
4949 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4950 {\end{@biditytfloat@float}}
4951 \renewenvironment{table}[1][htbp]
4952 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4953 {\end{@biditytfloat@float}}
4954 \renewenvironment{figure*}[1][htbp]%
4955 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4956 {\end{@biditytfloat@float}}
4957 \renewenvironment{table*}[1][htbp]%
4958 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}

```



```

4959 {\end{@biditytfloat@float}}
4960 \newenvironment{fullwidth}
4961 {\ifthenelse{\boolean{@biditytfloat@symmetric}}}%
4962   {\ifthenelse{\boolean{@biditytfloat@change page}}{\begin{adjustwidth*}{-}\@biditytfloat@
4963     {\begin{adjustwidth}{-}\@biditytfloat@overhang}}}%
4964   }%
4965 {\ifthenelse{\boolean{@biditytfloat@symmetric}}}%
4966   {\ifthenelse{\boolean{@biditytfloat@change page}}{\end{adjustwidth*}}{\end{adjustwidth}}
4967   {\end{adjustwidth}}}%
4968 }
4969 \long\def\@caption#1[#2]#3{%
4970   \par%
4971   \addcontentsline{\csname ext@#1\endcsname}{#1}%
4972     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4973   \begingroup%
4974     \@parboxrestore%
4975     \if@minipage%
4976       \setminipage%
4977     \fi%
4978     \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4979     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4980     \%@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4981   \endgroup}
4982 %%
4983 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4984 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
4985   \ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
4986 }
4987 \def\@biditytfloat@newlinetospace@i{%
4988   \ifdim\lastskip>z@\else\space\fi
4989   \ignorespaces%
4990 }
4991 \DeclareRobustCommand{\newlinetospace}[1]{%
4992   \let\@biditytfloat@orig@cr\% save the original meaning of \
4993   \def\@biditytfloat@newlinetospace{% turn \ and \* into \space
4994   \let\newline\% turn \newline into \space
4995   #1%
4996   \let\@biditytfloat@orig@cr% revert to original meaning of \
4997 }
4998 \RequirePackage{fancyhdr}
4999 \pagestyle{fancy}
5000 \AtBeginDocument{%
5001   \ifthenelse{\boolean{@biditytfloat@symmetric}}
5002     {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
5003     {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
5004 }
5005 % The running heads/feet don't have rules
5006 \renewcommand{\headrulewidth}{0pt}
5007 \renewcommand{\footrulewidth}{0pt}
5008 % The 'fancy' page style is the default style for all pages.
5009 \fancyhf{} % clear header and footer fields
5010   \ifthenelse{\boolean{@biditytfloat@symmetric}}
5011     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
5012     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%

```



```

5013    {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
5014% The `plain' page style is used on chapter opening pages.
5015% In Tufte's /Beautiful Evidence/ he never puts page numbers at the
5016% bottom of pages -- the folios are unexpressed.
5017\fancypagestyle{plain}{
5018  \fancyhf{} % clear header and footer fields
5019  % Uncomment the following five lines of code if you want the opening page
5020  % of the chapter to express the folio in the lower outside corner.
5021  % \ifthenelse{\boolean{@biditytuftefloat@symmetric}}{
5022  %   {\fancyfoot[LE,RO]{\thepage}}
5023  %   {\fancyfoot[RE,RO]{\thepage}}
5024  }
5025% The `empty' page style suppresses all headers and footers.
5026% It's used on title pages and `intentionally blank' pages.
5027\fancypagestyle{empty}{
5028  \fancyhf{} % clear header and footer fields
5029  }
5030\def\morefloats{% provides a total of 52 floats
5031  \ifthenelse{\isundefined{\bx@S}}{%
5032    \biditytuftefloatDebugInfoNL{Adding 34 more float slots.}
5033    \newinsert\bx@S
5034    \newinsert\bx@T
5035    \newinsert\bx@U
5036    \newinsert\bx@V
5037    \newinsert\bx@W
5038    \newinsert\bx@X
5039    \newinsert\bx@Y
5040    \newinsert\bx@Z
5041    \newinsert\bx@a
5042    \newinsert\bx@b
5043    \newinsert\bx@c
5044    \newinsert\bx@d
5045    \newinsert\bx@e
5046    \newinsert\bx@f
5047    \newinsert\bx@g
5048    \newinsert\bx@h
5049    \newinsert\bx@i
5050    \newinsert\bx@j
5051    \newinsert\bx@k
5052    \newinsert\bx@l
5053    \newinsert\bx@m
5054    \newinsert\bx@n
5055    \newinsert\bx@o
5056    \newinsert\bx@p
5057    \newinsert\bx@q
5058    \newinsert\bx@r
5059    \newinsert\bx@s
5060    \newinsert\bx@t
5061    \newinsert\bx@u
5062    \newinsert\bx@v
5063    \newinsert\bx@w
5064    \newinsert\bx@x
5065    \newinsert\bx@y
5066    \newinsert\bx@z

```



```

5067 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
5068 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
5069 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
5070 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
5071 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
5072 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
5073 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
5074 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
5075 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
5076 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
5077 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
5078 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
5079 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
5080 \ifthenelse{\isundefined{\bx@AA}}{%
5081 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
5082 \newinsert\bx@AA
5083 \newinsert\bx@BB
5084 \newinsert\bx@CC
5085 \newinsert\bx@DD
5086 \newinsert\bx@EE
5087 \newinsert\bx@FF
5088 \newinsert\bx@GG
5089 \newinsert\bx@HH
5090 \newinsert\bx@II
5091 \newinsert\bx@JJ
5092 \newinsert\bx@KK
5093 \newinsert\bx@LL
5094 \newinsert\bx@MM
5095 \newinsert\bx@NN
5096 \newinsert\bx@OO
5097 \newinsert\bx@PP
5098 \newinsert\bx@QQ
5099 \newinsert\bx@RR
5100 \newinsert\bx@SS
5101 \newinsert\bx@TT
5102 \newinsert\bx@UU
5103 \newinsert\bx@VV
5104 \newinsert\bx@WW
5105 \newinsert\bx@XX
5106 \newinsert\bx@YY
5107 \newinsert\bx@ZZ
5108 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
5109 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
5110 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
5111 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
5112 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
5113 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
5114 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
5115 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
5116 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
5117 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
5118 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
5119 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
5120 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE

```



```

5121         \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
5122         \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
5123         \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
5124         \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
5125         \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
5126     }{%
5127     \biditytfloatError{You may only call \string\morefloats\space twice. See the\Message
5128     {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or
5129     }%
5130 }%
5131 }
5132 \newboolean{@biditytfloat@packages@subfigure}
5133 \setboolean{@biditytfloat@packages@subfigure}{false}
5134 \AtBeginDocument{%
5135     \ifpackageloaded{subfigure}
5136     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
5137     {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
5138 }
5139 \AtBeginDocument{%
5140     \ifpackageloaded{float}{%
5141         % Save the redefined float environment (instead of the LaTeX float environment)
5142         \let@biditytfloat@orig@float\@float
5143         \let@biditytfloat@orig@endfloat\endfloat
5144
5145         % Define Tufte float styles (with the caption in the margin)
5146         \newcommand{\floatc@biditytfloatplain}[2]{%
5147             \begin{lrbox}{\@biditytfloat@caption@box}%
5148                 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
5149                     \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
5150                 }
5151             \end{lrbox}%
5152             \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
5153     }
5154     \newcommand{\fs@biditytfloatplain}{%
5155         \def\@fs@cfont{\@biditytfloat@caption@font}%
5156         \let\@fs@capt\floatc@biditytfloatplain%
5157         \def\@fs@pre{%
5158             \def\@fs@post{%
5159                 \def\@fs@mid{%
5160                     \let\@fs@iftopcapt\iftrue%
5161                 }
5162                 \let\fs@biditytfloatplaintop=\fs@biditytfloatplain
5163                 \let\floatc@biditytfloatplaintop=\floatc@biditytfloatplain
5164                 \newcommand\floatc@biditytfloatruled[2]{%
5165                     {\@fs@cfont #1} #2\par%
5166                 }
5167                 \newcommand\fs@biditytfloatruled{%
5168                     \def\@fs@cfont{\@biditytfloat@caption@font}%
5169                     \let\@fs@capt\floatc@biditytfloatplain%
5170                     \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
5171                     \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
5172                     \def\@fs@mid{%
5173                         \let\@fs@iftopcapt\iftrue%
5174                     }

```



```

5175 \newcommand\fs@biditytuftefloatboxed{%
5176 \def\@fs@cfont{}}%
5177 \let\@fs@capt\floatc@biditytuftefloatplain%
5178 \def\@fs@pre{%
5179 \setbox\@currbox\vbox{\hbadness10000
5180 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
5181 \hrule \hbox to\hsize{\vrule\kern3pt
5182 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
5183 }%
5184 \def\@fs@mid{\kern2pt}%
5185 \def\@fs@post{}}%
5186 \let\@fs@iftopcapt\iftrue%
5187 }
5188 }{%
5189 % Nothing to do
5190 }
5191 }
5192 \AtBeginDocument{%
5193 \@ifpackageloaded{algorithm}{%
5194 % Set the float style to the Tufte version
5195 \ifthenelse{\equal{\ALG@floatstyle}{plain}}{OR\equal{\ALG@floatstyle}{ruled}}{OR\equal{\AL
5196 \biditytuftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBrea
5197 \floatstyle{biditytuftefloat\ALG@floatstyle}%
5198 \restylefloat{algorithm}%
5199 }{}%
5200 }{%
5201 % Nothing to do
5202 }
5203 }
5204 \PassOptionsToPackage{caption=false}{subfig}

```

23 File biditytuftesidenote.sty

```

5205 \NeedsTeXFormat{LaTeX2e}
5206 \ProvidesPackage{biditytuftesidenote}[2017/08/09 v0.4
5207 bidi implementation of tufte sidenote]
5208 \RequirePackage{xifthen}
5209 \RequirePackage{ragged2e}
5210 \RequirePackage{setspace}
5211 \RequirePackage{biditytools}
5212 \def\biditytuftesidenotemarginpar{%
5213 \ifhmode
5214 \@bsphack
5215 \@floatpenalty -\@Mii
5216 \else
5217 \@floatpenalty -\@Miii
5218 \fi
5219 \ifinner
5220 \@parmoderr
5221 \@floatpenalty\z@
5222 \else
5223 \@next\@currbox\@freelist{}{}%
5224 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5225 {\@floatpenalty\z@

```



```

5226      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5227  \fi
5228  \@ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteympar}
5229  \long\def\@bidityftesidenotexmpar[#1]#2{%
5230    \@bidityftesidenotesavemarbox\@marbox{#1}%
5231    \@bidityftesidenotesavemarbox\@currbox{#2}%
5232    \@xympar}
5233  \long\def\@bidityftesidenoteympar#1{%
5234    \@bidityftesidenotesavemarbox\@marbox{#1}%
5235    \global\setbox\@currbox\copy\@marbox
5236    \@xympar}
5237  \long\def \@bidityftesidenotesavemarbox #1#2{%
5238    \global\setbox #1%
5239      \color@vbox
5240      \vtop{%
5241        \hsize\marginparwidth
5242        \@parboxrestore
5243        \@bidityftesidenotemarginparreset
5244        #2%
5245        \@minipagefalse
5246        \outer@nobreak
5247      }%
5248    \color@endbox
5249  }
5250  \def \@bidityftesidenotemarginparreset {%
5251    \reset@font
5252    \normalsize
5253    \@minipagetrue
5254    \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
5255  }
5256  \def\LTRbidityftesidenotemarginpar{%
5257    \ifhmode
5258      \@bsphack
5259      \@floatpenalty -\@Mii
5260    \else
5261      \@floatpenalty-\@Miii
5262    \fi
5263    \ifinner
5264      \@parmoderr
5265      \@floatpenalty\z@
5266    \else
5267      \@next\@currbox\@freelist{}\{}%
5268      \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5269      {\@floatpenalty\z@
5270      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5271    \fi
5272    \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
5273    \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
5274      \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
5275      \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
5276      \@xympar}
5277    \long\def\@LTRbidityftesidenoteympar#1{%
5278      \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
5279      \global\setbox\@currbox\copy\@marbox

```



```

5280 \xympar}
5281 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
5282 \global\setbox #1%
5283 \color@vbox
5284 \vtop{%
5285 \hsize\marginparwidth
5286 \@parboxrestore
5287 \@LTRbidityftesidenotemarginparreset
5288 #2%
5289 \@minipagefalse
5290 \outer@nobreak
5291 }%
5292 \color@endbox
5293 }
5294 \def \@LTRbidityftesidenotemarginparreset {%
5295 \reset@font
5296 \normalsize
5297 \@minipagetrue
5298 \everypar{\@minipagefalse\everypar{}\beginL}%
5299 }
5300 \def\RTLbidityftesidenotemarginpar{%
5301 \ifhmode
5302 \@bsphack
5303 \@floatpenalty -\@Mii
5304 \else
5305 \@floatpenalty-\@Miii
5306 \fi
5307 \ifinner
5308 \@parmoderr
5309 \@floatpenalty\z@
5310 \else
5311 \@next\@currbox\@freelist{}\{}%
5312 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5313 {\@floatpenalty\z@
5314 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5315 \fi
5316 \ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
5317 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
5318 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
5319 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
5320 \xympar}
5321 \long\def\@RTLbidityftesidenoteympar#1{%
5322 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
5323 \global\setbox\@currbox\copy\@marbox
5324 \xympar}
5325 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
5326 \global\setbox #1%
5327 \color@vbox
5328 \vtop{%
5329 \hsize\marginparwidth
5330 \@parboxrestore
5331 \@RTLbidityftesidenotemarginparreset
5332 #2%
5333 \@minipagefalse

```




```

5334         \outer@nobreak
5335     }%
5336     \color@endbox
5337 }
5338 \def \@RTLbidityftesidenotemarginparreset {%
5339     \reset@font
5340     \normalsize
5341     \@minipagetrue
5342     \everypar{\@minipagefalse\everypar{}\beginR}%
5343 }
5344 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
5345 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
5346 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
5347 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
5348 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
5349 \newcommand*{\@bidityftesidenote@RTLsidenote@font}{\@bidityftesidenote@RTLmarginfont}
5350 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
5351 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
5352 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
5353 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
5354 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
5355 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
5356 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
5357 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
5358 \newcommand*{\setRTLsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLsidenote@font}{#1}}
5359 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
5360 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
5361 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}
5362 \newcommand*{\setcitation@font}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
5363 \newcommand*{\setLTRcitation@font}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
5364 \newcommand*{\setRTLcitation@font}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
5365 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@auto}
5366 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@auto}
5367 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@auto}
5368 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
5369 \newcommand{\@bidityftesidenote@margin@par}{%
5370     \setlength{\RaggedRightParindent}{0.5pc}%
5371     \setlength{\JustifyingParindent}{0.5pc}%
5372     \setlength{\parindent}{0.5pc}%
5373     \setlength{\parskip}{0pt}%
5374 }
5375 %%
5376 % Globally sets the length
5377 \ifundefined{gsetlength}{%
5378     \newcommand*{gsetlength}[2]{%
5379         \setlength{#1}{#2}%
5380         \global#1=#1\relax%
5381     }%
5382 }{}
5383
5384 %%
5385 % A function that removes leading and trailing spaces from the supplied macro.
5386 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
5387 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy

```



```

5388% being trimmed of leading and trailing white space.
5389\catcode\Q=3
5390\def\@bidityftesidenote@trim@spaces#1{%
5391  % Use grouping to emulate a multi-token afterassignment queue
5392  \begingroup%
5393  % Put \toks 0 {' into the afterassignment queue
5394  \aftergroup\toks\aftergroup0\aftergroup{%
5395  % Apply \trimb to the replacement text of #1, adding a leading
5396  % \noexpand to prevent brace stripping and to serve another purpose
5397  % later.
5398  \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
5399  % Transfer the trimmed text back into #1.
5400  \edef#1{\the\toks0}%
5401 }
5402 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
5403 % clean up any leftover bizarre Qs, and trim a leading space. In
5404 % order for \trimc to work properly we need to put back a Q first.
5405 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
5406 % Execute \vfuzz assignment to remove leading space; the \noexpand
5407 % will now prevent unwanted expansion of a macro or other expandable
5408 % token at the beginning of the trimmed text. The \endgroup will feed
5409 % in the \aftergroup tokens after the \vfuzz assignment is completed.
5410 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
5411 \catcode\Q=11
5412 %%
5413 % Citations should go in the margin as sidenotes
5414
5415 \RequirePackage{natbib}
5416 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography env
5417 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
5418 \renewcommand\BR@b@bibitem[2] [] {%
5419   \ifthenelse{\isempty{#1}}{%
5420     {\BR@bibitem{#2}}%
5421     {\BR@bibitem{#1}{#2}}%
5422   \BR@c@bibitem{#2}%
5423 }
5424 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
5425 %%
5426 % Normal \cite behavior
5427 \newcounter{@bidityftesidenote@num@bibkeys}%
5428 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt] {%
5429   % Snag the last bibentry in the list for later comparison
5430   \let\@temp@last@bibkey\@empty%
5431   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5432   \sidenote[] [#1] {%
5433     % Loop through all the bibentries, separating them with semicolons and spaces
5434     \normalsize\normalfont\@bidityftesidenote@citation@font%
5435     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5436     \@for\@temp@bibkeyx:=#2\do{%
5437       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5438         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{-}{and\ }}%
5439         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5440         \bibentry{\@temp@bibkeyx}}%
5441         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey

```



```

5442         \bibentry{\@temp@bibkeyx};\ }%
5443         \stepcounter{@bidituftesidenote@num@bibkeys}%
5444     }%
5445 }%
5446 }
5447 \newcommand{\@bidituftelTRsidenote@normal@cite}[2][Opt]{%
5448 % Snag the last bibentry in the list for later comparison
5449 \let\@temp@last@bibkey\@empty%
5450 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5451 \LTRsidenote[] [#1]{%
5452 % Loop through all the bibentries, separating them with semicolons and spaces
5453 \normalsize\normalfont\@bidituftesidenote@LTRcitation@font%
5454 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
5455 \@for\@temp@bibkeyx:=#2\do{%
5456 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5457     {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\}{and\ }%
5458     \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5459     \bibentry{\@temp@bibkeyx}}%
5460     {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5461     \bibentry{\@temp@bibkeyx};\ }%
5462     \stepcounter{@bidituftesidenote@num@bibkeys}%
5463     }%
5464 }%
5465 }
5466 \newcommand{\@biditufterTLsidenote@normal@cite}[2][Opt]{%
5467 % Snag the last bibentry in the list for later comparison
5468 \let\@temp@last@bibkey\@empty%
5469 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5470 \RTLsidenote[] [#1]{%
5471 % Loop through all the bibentries, separating them with semicolons and spaces
5472 \normalsize\normalfont\@bidituftesidenote@citation@font%
5473 \setcounter{@bidituftesidenote@num@bibkeys}{0}%
5474 \@for\@temp@bibkeyx:=#2\do{%
5475 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5476     {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\}{and\ }%
5477     \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5478     \bibentry{\@temp@bibkeyx}}%
5479     {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5480     \bibentry{\@temp@bibkeyx};\ }%
5481     \stepcounter{@bidituftesidenote@num@bibkeys}%
5482     }%
5483 }%
5484 }
5485 %%
5486 % Macros for holding the list of cite keys until after the \sidenote
5487 \gdef\@bidituftesidenote@citations{}% list of cite keys
5488 \newcommand\@bidituftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
5489 \ifx\@bidituftesidenote@citations\@empty\else
5490 \g@addto@macro\@bidituftesidenote@citations{,}% separate by commas
5491 \fi
5492 \g@addto@macro\@bidituftesidenote@citations{#1}
5493 }
5494 \newcommand{\@bidituftesidenote@print@citations}[1][Opt]{% puts the citations in a margin no
5495 % Snag the last bibentry in the list for later comparison

```



```

5496 \let\@temp@last@bibkey\@empty%
5497 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
5498 \marginpar{%
5499   \hbox{}\vspace*{#1}%
5500   \@bidityftesidenote@citation@font%
5501   \@bidityftesidenote@citation@justification%
5502   \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5503   \vspace*{-1\baselineskip}%
5504   % Loop through all the bibentries, separating them with semicolons and spaces
5505   \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
5506   \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
5507     \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5508       {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5509        \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5510        \bibentry{\@temp@bibkeyx}}%
5511       {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5512        \bibentry{\@temp@bibkeyx};\ }%
5513       \stepcounter{\@bidityftesidenote@num@bibkeys}%
5514     }%
5515   }%
5516 }
5517 %%
5518 % \cite behavior when executed within a sidenote
5519 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
5520 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
5521   \@bidityftesidenote@add@citation{#1}
5522 }
5523 %%
5524 % Set the default \cite style. This is set and reset by the \sidenote command.
5525 \let\cite\@bidityftesidenote@normal@cite
5526 \let\LTRcite\@bidityftesidenote@normal@cite
5527 \let\RTLcite\@bidityftesidenote@normal@cite
5528 %%
5529 % Transform existing \footnotes into \sidenotes
5530 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
5531 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5532 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5533 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
5534 % Override footmisc's definition to set the sidenote marks (numbers) inside the
5535 % sidenote's text block.
5536 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@sidenote@font}}}%
5537 % Set the in-text footnote mark in the same typeface as the body text itself.
5538 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnote@font}}}%
5539 \providecommand*\multiplefootnotemark}{3sp}
5540 \providecommand*\multfootsep}{,}%
5541 \bidi@patch@AfterPackage{bidi}{%
5542 \renewcommand{\footnotemark}{%
5543   \leavevmode%
5544   \ifhmode%
5545     \edef\x{\the\spacefactor}%
5546     \@bidityftesidenote@check@multiple@sidenotes%
5547     \nobreak%
5548   \fi%
5549   \@makefnmark%

```



```

5550 \ifhmode\spacefactor\@x@sf\fi%
5551 \relax%
5552 }%
5553 }
5554 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
5555 \ifdim\lastkern=\multiplefootnotemarker\relax%
5556 \edef\@x@sf{\the\spacefactor}%
5557 \unkern%
5558 \textsuperscript{\multfootsep}%
5559 \spacefactor\@x@sf\relax%
5560 \fi
5561 }
5562 \bidi@patch@AfterPackage{bidi}{%
5563 \renewcommand\@footnotetext[2][Opt]{%
5564 \bidityftesidenotemarginpar{%
5565 \hbox{}}\vspace*{#1}%
5566 \def\baselinestretch {\setspace@singlespace}%
5567 \reset@font%
5568 \bidi@@footnotetext@font% \reset@font\footnotesize%
5569 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5570 \vspace*{-1\baselineskip}\noindent%
5571 \protected@edef\@currentlabel{%
5572 \csname p@footnote\endcsname\@thefnmark%
5573 }%
5574 \color@begingroup%
5575 \makefnintext{%
5576 \ignorespaces#2%
5577 }%
5578 \color@endgroup%
5579 }%
5580 }%
5581 \renewcommand\@LTRfootnotetext[2][Opt]{%
5582 \LTRbidityftesidenotemarginpar{%
5583 \hbox{}}\vspace*{#1}%
5584 \def\baselinestretch {\setspace@singlespace}%
5585 \reset@font%
5586 \bidi@@LTRfootnotetext@font% \reset@font\footnotesize%
5587 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5588 \vspace*{-1\baselineskip}\noindent%
5589 \protected@edef\@currentlabel{%
5590 \csname p@footnote\endcsname\@thefnmark%
5591 }%
5592 \color@begingroup%
5593 \makefnintext{%
5594 \ignorespaces#2%
5595 }%
5596 \color@endgroup%
5597 }%
5598 }%
5599 \renewcommand\@RTLfootnotetext[2][Opt]{%
5600 \RTLbidityftesidenotemarginpar{%
5601 \hbox{}}\vspace*{#1}%
5602 \def\baselinestretch {\setspace@singlespace}%
5603 \reset@font%

```



```

5604 \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5605 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5606 \vspace*{-1\baselineskip}\noindent%
5607 \protected@edef\@currentlabel{%
5608     \csname p@footnote\endcsname\@thefnmark%
5609 }%
5610 \color@begingroup%
5611     \@makefnintext{%
5612         \ignorespaces#2%
5613     }%
5614 \color@endgroup%
5615 }%
5616 }%
5617 }
5618 %
5619 % Define \sidenote command. Can handle \cite.
5620 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
5621 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
5622 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5623 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
5624     \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5625     \gdef\@bidityftesidenote@citations{}% clear out any old citations
5626     \ifthenelse{\NOT\isempty{#2}}{%
5627         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5628     }{%
5629         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5630     }%
5631     \ifthenelse{\isempty{#1}}{%
5632         % no specific footnote number provided
5633         \stepcounter\@mpfn%
5634         \protected@xdef\@thefnmark{\thempfn}%
5635         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5636     }{%
5637         % specific footnote number provided
5638         \begingroup%
5639         \csname c@\@mpfn\endcsname #1\relax%
5640         \unrestored@protected@xdef\@thefnmark{\thempfn}%
5641         \endgroup%
5642         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5643     }%
5644     \@bidityftesidenote@print@citations% print any citations
5645     \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
5646     \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
5647     \let\RTLCite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
5648     \unskip\ignorespaces% remove extra white space
5649     \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5650     \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5651 }
5652 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
5653     \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5654     \gdef\@bidityftesidenote@citations{}% clear out any old citations
5655     \ifthenelse{\NOT\isempty{#2}}{%
5656         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5657     }{%

```



```

5658 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5659 }%
5660 \ifthenelse{\isempty{#1}}{%
5661 % no specific footnote number provided
5662 \stepcounter\@mpfn%
5663 \protected@xdef\@thefnmark{\thempfn}%
5664 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5665 }{%
5666 % specific footnote number provided
5667 \begingroup%
5668 \csname c@\@mpfn\endcsname #1\relax%
5669 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5670 \endgroup%
5671 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5672 }%
5673 \@bidityftesidenote@print@citations% print any citations
5674 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
5675 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
5676 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
5677 \unskip\ignorespaces% remove extra white space
5678 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5679 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5680 }
5681 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5682 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5683 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5684 \ifthenelse{\NOT\isempty{#2}}{%
5685 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5686 }{%
5687 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5688 }%
5689 \ifthenelse{\isempty{#1}}{%
5690 % no specific footnote number provided
5691 \stepcounter\@mpfn%
5692 \protected@xdef\@thefnmark{\thempfn}%
5693 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5694 }{%
5695 % specific footnote number provided
5696 \begingroup%
5697 \csname c@\@mpfn\endcsname #1\relax%
5698 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5699 \endgroup%
5700 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5701 }%
5702 \@bidityftesidenote@print@citations% print any citations
5703 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite comm
5704 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
5705 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
5706 \unskip\ignorespaces% remove extra white space
5707 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5708 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5709 }
5710 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
5711 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}

```




```

5712 \newcommand{\RTLsidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
5713 \bidi@patch@AfterPackage{bidi}{%
5714 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
5715 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
5716 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
5717 }
5718 %%
5719 % Sidenote without the footnote mark
5720 \newcommand\marginnote[2] [Opt]{%
5721 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5722 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5723 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations% print any citations
5724 \@bidityftesidenote@print@citations%
5725 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5726 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
5727 \let\RLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
5728 }
5729 \newcommand\LTRmarginnote[2] [Opt]{%
5730 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5731 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5732 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@print@citations% print any citations
5733 \@bidityftesidenote@print@citations%
5734 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5735 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
5736 \let\RLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
5737 }
5738 \newcommand\RTLmarginnote[2] [Opt]{%
5739 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5740 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5741 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@bidityftesidenote@print@citations% print any citations
5742 \@bidityftesidenote@print@citations%
5743 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5744 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTR
5745 \let\RLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTL
5746 }

```

24 File bidityftetoc.sty

```

5747 \NeedsTeXFormat{LaTeX2e}
5748 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5749 bidi implementation of tufte toc]
5750 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5751 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5752 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5753 %%
5754 % Turn off section numbering
5755 \setcounter{secnumdepth}{-1}
5756 \newboolean{@bidityftetoc@toc}
5757 \setboolean{@bidityftetoc@toc}{true}
5758 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
5759 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
5760 \ProcessOptions
5761 %%
5762 % Make Tuftean-style section headings and TOC formatting

```




```

5763 \bidi@patch@AfterPackage{bidi}{%
5764 \titleformat{\chapter}%
5765 [display]% shape
5766 {\relax\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\begin{fullwidth}}{}}% format
5767 {\itshape\huge\thechapter}% label
5768 {0pt}% horizontal separation between label and title body
5769 {\huge\rmfamily\itshape}% before the title body
5770 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}}% after the title
5771 \titleformat{\section}%
5772 [hang]% shape
5773 {\normalfont\Large\itshape}% format applied to label+text
5774 {\thesection}% label
5775 {1em}% horizontal separation between label and title body
5776 {}% before the title body
5777 []% after the title body
5778 \titleformat{\subsection}%
5779 [hang]% shape
5780 {\normalfont\large\itshape}% format applied to label+text
5781 {\thesubsection}% label
5782 {1em}% horizontal separation between label and title body
5783 {}% before the title body
5784 []% after the title body
5785 \titleformat{\paragraph}%
5786 [runin]% shape
5787 {\normalfont\itshape}% format applied to label+text
5788 {\theparagraph}% label
5789 {1em}% horizontal separation between label and title body
5790 {}% before the title body
5791 []% after the title body
5792 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5793 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5794 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5795 }
5796 % Subsubsection and following section headings shouldn't be used.
5797 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5798 \renewcommand\subsubsection{%
5799 \biditytetocError{\noexpand\subsubsection is undefined by this class.%
5800 \MessageBreak See Robert Bringhurst's _The Elements of
5801 \MessageBreak Typographic Style_, section 4.2.2.
5802 \MessageBreak \noexpand\subsubsection was used}
5803 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5804 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
5805 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5806 }
5807 \renewcommand\subparagraph{%
5808 \biditytetocError{\noexpand\subparagraph is undefined by this class.%
5809 \MessageBreak See Robert Bringhurst's _The Elements of
5810 \MessageBreak Typographic Style_, section 4.2.2.
5811 \MessageBreak \noexpand\subparagraph was used}
5812 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5813 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the m
5814 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5815 }
5816 % Formatting for main TOC (printed in front matter)

```



```

5817% {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5818\ifthenelse{\boolean{@biditytftoc@toc}}{%
5819 \bidi@patch@AfterPackage{bidi}{%
5820 \titlecontents{part}% FIXME
5821 [0em] % distance from left margin
5822 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5823 {\contentslabel{2em}} % before w/label (label = ``II'')
5824 {} % before w/o label
5825 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5826 [\end{fullwidth}] % after
5827 \titlecontents{chapter}%
5828 [0em] % distance from left margin
5829 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5830 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5831 {\hspace*{0em}} % before w/o label
5832 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5833 [\end{fullwidth}] % after
5834 \titlecontents{section}% FIXME
5835 [0em] % distance from left margin
5836 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5837 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5838 {\hspace*{2em}} % before w/o label
5839 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5840 [\end{fullwidth}] % after
5841 \titlecontents{subsection}% FIXME
5842 [0em] % distance from left margin
5843 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5844 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5845 {\hspace*{4em}} % before w/o label
5846 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5847 [\end{fullwidth}] % after
5848 \titlecontents{paragraph}% FIXME
5849 [0em] % distance from left margin
5850 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global format
5851 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5852 {\hspace*{6em}} % before w/o label
5853 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5854 [\end{fullwidth}] % after
5855}%
5856}{%
5857%%
5858% Format lists of figures/tables
5859\renewcommand\listoffigures{%
5860 \@ifundefined{chapter}%
5861 {\section*{\listfigurename}}%
5862 {\chapter*{\listfigurename}}%
5863% \begin{fullwidth}%
5864 \@starttoc{lof}%
5865% \end{fullwidth}%
5866}%
5867\renewcommand\listoftables{%
5868 \@ifundefined{chapter}%
5869 {\section*{\listtablename}}%
5870 {\chapter*{\listtablename}}%

```



```

5871 % \begin{fullwidth}%
5872 \starttoc{lot}%
5873 % \end{fullwidth}%
5874 }
5875 \newcommand{\@bidityfttoc@lof@line}[2]{%
5876 % #1 is the figure/table number and its caption text
5877 % #2 is the page number on which the figure/table appears
5878 \leftskip 0.0em
5879 \rightskip 0em
5880 \parfillskip 0em plus 1fil
5881 \parindent 0.0em
5882 \@afterindenttrue
5883 \interlinepenalty\M
5884 \leavevmode
5885 \@tempdima 2.0em
5886 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5887 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5888 {#1}\nobreak\qqquad\nobreak#2%
5889 \par%
5890 }
5891 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
5892 \let\l@table\l@figure

```

25 File bidityftgeneralstructure.sty

```

5893 \NeedsTeXFormat{LaTeX2e}
5894 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5895 bidi implementation of tufte general structure]
5896 \renewcommand\small{%
5897 \setfontsize\small\@ixpt{12}%
5898 \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5899 \abovedisplayshortskip \z@ \@plus2\p@
5900 \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5901 \def\@listi{\leftmargin\leftmargini
5902 \topsep 4\p@ \@plus2\p@ \@minus2\p@
5903 \parsep 2\p@ \@plus\p@ \@minus\p@
5904 \itemsep \parsep}%
5905 \belowdisplayskip \abovedisplayskip
5906 }
5907 \renewcommand\scriptsize{\setfontsize\scriptsize\@viipt\@viiipt}
5908 \renewcommand\tiny{\setfontsize\tiny\@vpt\@vipt}
5909 \renewcommand\large{\setfontsize\large\@xipt{15}}
5910 \renewcommand\Large{\setfontsize\Large\@xiipt{16}}
5911 \renewcommand\LARGE{\setfontsize\LARGE\@xivpt{18}}
5912 \renewcommand\huge{\setfontsize\huge\@xxpt{30}}
5913 \renewcommand\Huge{\setfontsize\Huge{24}{36}}
5914 \setlength\leftmargini {1pc}
5915 \setlength\leftmarginii {1pc}
5916 \setlength\leftmarginiii {1pc}
5917 \setlength\leftmarginiv {1pc}
5918 \setlength\leftmarginv {1pc}
5919 \setlength\leftmarginvi {1pc}
5920 \setlength\labelsep {0.5pc}
5921 \setlength\labelwidth {\leftmargini}

```



```

5922 \addtolength\labelwidth{-\labelsep}
5923 \setlength{\parindent}{1.0pc}%
5924 \setlength{\parskip}{0pt}%
5925 \RequirePackage{ragged2e}
5926 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5927 % Paragraph indentation and separation for normal text
5928 \newcommand{\@biditytgeneralstructure@reset@par}{%
5929   \setlength{\RaggedRightParindent}{1.0pc}%
5930   \setlength{\JustifyingParindent}{1.0pc}%
5931   \setlength{\parindent}{1pc}%
5932   \setlength{\parskip}{0pt}%
5933 }
5934 \@biditytgeneralstructure@reset@par
5935 % Require paralist package for tighter lists
5936 \RequirePackage{paralist}
5937 % Add rightmargin to compactenum
5938 \def\@compactenum{%
5939   \expandafter\list\csname label\@enumctr\endcsname{%
5940     \usecounter{\@enumctr}%
5941     \rightmargin=2em% added this
5942     \parsep\plparsep
5943     \itemsep\plitemsep
5944     \topsep\pltopsep
5945     \partopsep\plpartopsep
5946     \def\makelabel##1{\hss\llap{##1}}}%
5947 %%
5948 % An environment for paragraph-style section
5949 \providecommand\newthought[1]{%
5950   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5951   \noindent\textbf{#1}%
5952 }
5953 %%
5954 % Redefine the display environments (quote, quotation, etc.)
5955 \renewenvironment{verse}
5956   {\let\\\@centercr
5957    \list{}{\itemsep \z@
5958             \itemindent -1pc%
5959             \listparindent\itemindent
5960             \rightmargin \leftmargin
5961             \advance\leftmargin 1pc}%
5962    \small%
5963    \item\relax}
5964   {\endlist}
5965 \renewenvironment{quotation}
5966   {\list{}{\listparindent 1pc%
5967            \itemindent \listparindent
5968            \rightmargin \leftmargin
5969            \parsep \z@ \@plus\p@}%
5970    \small%
5971    \item\relax\noindent\ignorespaces}
5972   {\endlist}
5973 \renewenvironment{quote}
5974   {\list{}{\rightmargin\leftmargin}%
5975    \small%

```



```

5976             \item\relax}
5977         {\endlist}
5978 % Italicize description run-in headings (instead of the default bold)
5979 \renewcommand*{\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
5980 %%
5981 % Redefine \bibsection to not mark the running heads.
5982 % (Code modified from natbib.sty.)
5983 \@ifundefined{chapter}%
5984   {\renewcommand\bibsection{\section*{\refname}}}
5985   {\@ifundefined{NAT@sectionbib}%
5986     {\renewcommand\bibsection{\chapter{\bibname}}}
5987     {\renewcommand\bibsection{\section*{\bibname}}}}
5988 \RequirePackage{multicol}
5989 \renewenvironment{theindex}{%
5990   \@ifundefined{chapter}%
5991     {\section*{\indexname}}%
5992     {\chapter{\indexname}}%
5993   \begin{fullwidth}%
5994     \small%
5995     \parskip0pt%
5996     \parindent0pt%
5997     \let\item\@idxitem%
5998     \begin{multicols}{3}%
5999   }{%
6000     \end{multicols}%
6001     \end{fullwidth}%
6002 }
6003 \AtBeginDocument{%
6004 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
6005 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
6006 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
6007 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
6008 \newcommand{\lettergroup}[1]{% swallow the letter heading in the index

```

26 File `bidituftehyperref.sty`

```

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

```



```

6027 %    pagecolor = DarkBlue,
6028     urlcolor = DarkGreen,
6029 }%
6030 }
6031 \ifthenelse{\boolean{@biditytftt@loadhyper}}{%
6032   \biditytftt@loadhyperref%
6033 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
6034   \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
6035 }

```

27 File biditytftt.sty

```

6036 \NeedsTeXFormat{LaTeX2e}
6037 \ProvidesPackage{biditytftt}[2011/06/18 v0.1
6038   bidi implementation of tufte title]
6039 \RequirePackage{biditytools}
6040 %%
6041 % 'titlepage' option -- creates a full title page with \maketitle
6042 \newboolean{@biditytftt@titlepage}
6043 \DeclareOption{titlepage}{\setboolean{@biditytftt@titlepage}{true}}
6044 \DeclareOption{notitlepage}{\setboolean{@biditytftt@titlepage}{false}}
6045 % Default 'book' and 'handout' options
6046 \ifclassloaded{book}{%
6047   \ExecuteOptions{titlepage}}{%
6048   \ifclassloaded{article}{%
6049     \ExecuteOptions{notitlepage}}%
6050 {}%
6051 \ProcessOptions
6052 %%
6053 % Modified \title, \author, and \date commands. These store the
6054 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
6055 \newcommand{\plaintitle}{}% plain-text-only title
6056 \newcommand{\plainauthor}{}% plain-text-only author
6057 \newcommand{\plainpublisher}{}% plain-text-only publisher
6058 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
6059 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
6060 \newcommand{\thanklesspublisher}{}% full publisher text minus \thanks{}
6061 \newcommand{\@publisher}{}% full publisher with \thanks{}
6062 \newcommand{\thedata}{\today}
6063 \bidity@patch@AfterPackage{bidi}{%
6064   \renewcommand{\thanks}[1]{\footnote{#1}}
6065   \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
6066   \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
6067 }
6068 \renewcommand{\title}[2]{}%
6069 \gdef\@title{#2}%
6070 \begingroup%
6071   % TODO store contents of \thanks command
6072   \renewcommand{\thanks}[1]{}% swallow \thanks contents
6073   \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6074   \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6075   \protected@xdef\thanklesstitle{#2}%
6076 \endgroup%
6077 \ifthenelse{\isempty{#1}}%

```



```

6078     {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
6079     {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
6080 \@ifundefined{hypersetup}%
6081 {}% hyperref is not loaded; do nothing
6082     {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
6083 }
6084 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
6085 \renewcommand{\author}[2][]{%
6086     \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
6087     \begingroup%
6088         % TODO store contents of \thanks command
6089         \renewcommand{\thanks}[1]{}% swallow \thanks contents
6090         \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6091         \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6092         \protected@xdef\thanklessauthor{#2}%
6093     \endgroup%
6094     \ifthenelse{\isempty{#1}}%
6095         {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
6096         {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
6097     \@ifundefined{hypersetup}%
6098     {}% hyperref is not loaded; do nothing
6099     {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
6100 }
6101 \renewcommand{\date}[1]{%
6102     \gdef\@date{#1}%
6103     \begingroup%
6104         % TODO store contents of \thanks command
6105         \renewcommand{\thanks}[1]{}% swallow \thanks contents
6106         \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6107         \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6108         \protected@xdef\thedata{#1}%
6109     \endgroup%
6110 }
6111 %%
6112 % Provides a \publisher command to set the publisher
6113 \newcommand{\publisher}[2][]{%
6114     \gdef\@publisher{#2}%
6115     \begingroup%
6116         \renewcommand{\thanks}[1]{}% swallow \thanks contents
6117         \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6118         \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6119         \protected@xdef\thanklesspublisher{#2}%
6120     \endgroup%
6121     \ifthenelse{\isempty{#1}}%
6122         {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
6123         {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
6124 }
6125 %%
6126 % Produces a full title page
6127 \newcommand{\maketitlepage}[0]{%
6128     \cleardoublepage%
6129     {%
6130         \bfseries%
6131         \begin{fullwidth}%

```



```

6132 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
6133 \vspace{11.5pc}%
6134 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
6135 \vfill%
6136 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
6137 \end{fullwidth}%
6138 }
6139 \thispagestyle{empty}%
6140 \clearpage%
6141 }
6142 %%
6143 % Title block
6144 \bidi@AfterEndPreamble{%
6145 \renewcommand{\maketitle}{%
6146 \newpage%
6147 \global\topnum\z@% prevent floats from being placed at the top of the page
6148 \begin{group}%
6149 \setlength{\parindent}{0pt}%
6150 \setlength{\parskip}{4pt}%
6151 \let\@title\@empty%
6152 \let\@author\@empty%
6153 \let\@date\@empty%
6154 \gdef\@title{\LARGE\itshape\@title\par}%
6155 \gdef\@author{\Large\itshape\@author\par}%
6156 \gdef\@date{\Large\itshape\@date\par}%
6157 \@title%
6158 \@author%
6159 \@date%
6160 \end{group}%
6161 \thispagestyle{plain}% suppress the running head
6162 }%
6163 }
6164 %%
6165 % Title page (if the 'titlepage' option was passed to the bidentuftetitle-handout
6166 % class.)
6167 \bidi@AfterEndPreamble{%
6168 \ifthenelse{\boolean{@bidentuftetitle@titlepage}}{
6169 {\renewcommand{\maketitle}{\maketitlepage}}
6170 {}
6171 }
6172 %%
6173 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
6174 % without headers and footers
6175 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
6176 \hbox{}
6177 %\vspace*{\fill}
6178 %\begin{center}
6179 % This page intentionally contains only this sentence.
6180 %\end{center}
6181 %\vspace{\fill}
6182 \thispagestyle{empty}
6183 \newpage
6184 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```



28 File `biditufte-handout.cls`

```
6185 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
6186 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
6187 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
6188 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
6189 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
6190 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
6191 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
6192 \ProcessOptions\relax
6193 \LoadClass{article}
6194 \RequirePackage{bidituftefloat}
6195 \RequirePackage{bidituftesidenote}
6196 \RequirePackage{bidituftetoc}
6197 \RequirePackage{bidituftegeneralstructure}
6198 \RequirePackage{bidituftehyperref}
6199 \RequirePackage{bidituftetitle}
6200 \renewenvironment{abstract}
6201   {\begin{quotation}}
6202   {\end{quotation}}
6203 \AtBeginDocument{%
6204   \IfFileExists{biditufte-handout.cfg}
6205   {\input{biditufte-handout.cfg}
6206     \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
6207   {}%
6208 }
```

29 File `biditufte-book.cls`

```
6209 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
6210 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
6211 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
6212 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
6213 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
6214 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
6215 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
6216 \ProcessOptions\relax
6217 \LoadClass{book}
6218 \RequirePackage{bidituftefloat}
6219 \RequirePackage{bidituftesidenote}
6220 \RequirePackage{bidituftetoc}
6221 \RequirePackage{bidituftegeneralstructure}
6222 \RequirePackage{bidituftehyperref}
6223 \RequirePackage{bidituftetitle}
6224 %%
6225 % Set up any book-specific stuff now
6226 %%
6227 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
6228 % to the opening page of Chapter 1. The running heads, when they appear,
6229 % contain only the (arabic) page number in the outside corner.
6230 %\newif\if@mainmatter \@mainmattertrue
6231 \renewcommand\frontmatter{%
6232   \cleardoublepage%
6233   \@mainmatterfalse%
```



```

6234 \pagenumbering{arabic}%
6235 %\pagestyle{plain}%
6236 \fancyhf{}%
6237 \ifthenelse{\boolean{@bidituftefloat@twoside}}%
6238 {\fancyhead[LE,RO]{\thepage}}%
6239 {\fancyhead[RE,RO]{\thepage}}%
6240 }
6241 %%
6242 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
6243 % numbering---it continues where it left off in the front matter.
6244 \renewcommand\mainmatter{%
6245 \cleardoublepage%
6246 \@mainmattertrue%
6247 \fancyhf{}%
6248 \ifthenelse{\boolean{@bidituftefloat@twoside}}%
6249 {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
6250 \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
6251 \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
6252 {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
6253 }
6254 %%
6255 % The back matter contains appendices, indices, glossaries, endnotes,
6256 % bibliographies, list of contributors, illustration credits, etc.
6257 \renewcommand\backmatter{%
6258 \if@openright%
6259 \cleardoublepage%
6260 \else%
6261 \clearpage%
6262 \fi%
6263 \@mainmatterfalse%
6264 }
6265 %%
6266 % Only show the chapter titles in the table of contents
6267 \setcounter{tocdepth}{0}
6268 \AtBeginDocument{%
6269 \IfFileExists{biditufte-book.cfg}
6270 {\input{biditufte-book.cfg}
6271 \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
6272 {}%
6273 }

```

30 File bidipoem.sty

```

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

```



```

6285 % #1 = length of first (=right) half-verse
6286 % #2 = length of second (=left) half-verse
6287 % #3 = separation distance = length of a connection, if present
6288 %
6289 % \traditionalhalfverses #1#2 % typeset two separated half-verses
6290 % #1 = text of first (=right) half-verse
6291 % #2 = text of second (=left) half-verse
6292 % Variant:
6293 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
6294 % #1 = text of first (=right) half-verse
6295 % #2 = text of connection
6296 % #3 = text of second (=left) half-verse
6297 %
6298 % Alternative (if preferred):
6299 %
6300 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
6301
6302
6303 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
6304
6305 % define the layout, verses will be centered
6306
6307 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
6308 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
6309
6310 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
6311 \bidipoem@hvind \textwidth
6312 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
6313 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
6314 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
6315
6316 \def \bidipoem@set@verseI [#1]{% optional parameter
6317 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
6318
6319 \newcommand*{\bidipoem@set@@verse}[1]{% separation
6320 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
6321 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
6322
6323 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
6324 \ifdim Opt > \bidipoem@hvind %
6325 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
6326 \else
6327 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
6328 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
6329 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
6330 \par }
6331
6332 % macro for two half verses
6333 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
6334 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]}%
6335 \else \def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
6336 \bidipoem@half@verses@next}
6337
6338 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second

```



```

6339 \traditionalconnverses {#1}{#2}{#3}}
6340
6341
6342 {\catcode`\^^M=\active % these lines must end with %
6343 \gdef\traditionalpoem@obeylines{\catcode`\^^M\active \let^^M\traditionalpoem@par}%
6344 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
6345 {\catcode`\^^M=\active % these lines must end with %
6346 \gdef\modernpoem@obeylines{\catcode`\^^M\active \let^^M\modernpoem@par}%
6347 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
6348 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
6349 \def\poemmarginskip{1em plus 1fil minus 1em}
6350 \def\poemextrabaseskip{0\baselineskip}
6351 \def\poemskip{\medskip}
6352 \newcommand{\bidipoem@openbox}{\leavevmode
6353 \hbox to.77778em{%
6354 \hfil\vrule
6355 \vbox to.675em{\hrule width.6em\vfil\hrule}%
6356 \vrule\hfil}}
6357 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
6358 \newdimen\versewidth
6359 \newtoks\bidipoem@p@ftn
6360 \def\poem@verse#1{%
6361 \ifdim\wd#1>\new@poem@width
6362 \xdef\new@poem@width{\the\wd#1}%
6363 \ifdim\new@poem@width>\poem@width
6364 \xdef\poem@width{\new@poem@width}%
6365 \global\let\poem@needrun\relax
6366 \fi
6367 \fi
6368 \hbox to\poem@width{\unhbox#1}%
6369 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
6370 }
6371 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmarginskip\relax}
6372 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
6373 \def\poem@lineversesep{%
6374 \nobreak
6375 \hskip\z@ plus 1filll%
6376 \penalty600%
6377 \hskip\poemcolsepskip
6378 \hskip\z@ plus -2filll%
6379 \vadjust{}}%
6380 \nobreak
6381 \hskip\z@ plus 1filll%
6382 }
6383 \def\poem@lineparsebegin{%
6384 \halign\bgroup
6385 \global\setbox\verse@i=\hbox{%
6386 \let\@footnotetext\bidipoem@p@ftntext%
6387 \let\@LTrfootnotetext\bidipoem@p@LTRftntext%
6388 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6389 \let\@xfootnotenext\bidipoem@p@xftntext%
6390 \let\@xfootnote\bidipoem@p@xfootnote%
6391 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6392 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%

```



```

6393 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6394 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6395 \ignorespaces##\unskip}&&
6396 \global\setbox\verse@ii=\hbox{%
6397 \let\@footnotetext\bidipoem@p@ftntext%
6398 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6399 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6400 \let\@xfootnotenext\bidipoem@p@xftntext%
6401 \let\@xfootnote\bidipoem@p@xfootnote%
6402 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6403 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6404 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6405 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6406 \ignorespaces##\unskip}
6407 \cr
6408 }
6409 \def\poem@lineparseend{%
6410 \crr\egroup
6411 \vskip-\baselineskip
6412 }
6413 \def\traditionalpoem@cr{%
6414 \cr\poem@line
6415 }
6416 \newbox\verse@i
6417 \newbox\verse@ii
6418 \newif\ifpoem@started
6419
6420 \def\poem@line{%
6421 \poem@lineparseend
6422 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
6423 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
6424 \ifpoem@started
6425 \ifdim\wd\verse@ii>\z@\else
6426 \nopagebreak[3]
6427 \fi
6428 \leavevmode
6429 \poem@linebegin
6430 \poem@verse\verse@i
6431 \ifdim\wd\verse@ii>\z@
6432 \poem@lineversesep
6433 \poem@verse\verse@ii
6434 \fi
6435 \poem@lineend
6436 % \nopagebreak
6437 \par
6438 \vskip\poemextrabaselineskip
6439 \fi
6440 \poem@lineparsebegin
6441 }
6442 \def\@traditionalpoem{%
6443 \stepcounter{poem@no}
6444 \ifnum\max@poem@no<\number\c@poem@no%
6445 \xdef\poem@width{\z@}%
6446 \else

```



```

6447 \xdef\poem@width{\poem@prop{poem@width}}%
6448 \fi
6449 \xdef\new@poem@width{\z@}%
6450 \global\versewidth=\poem@width
6451 \poemskip\par
6452 \begingroup
6453 \tabskip=\z@
6454 \parskip=\z@
6455 \parindent=\z@
6456 \parfillskip=\z@
6457 \rightskip=\z@
6458 \leftskip=\z@
6459 \widowpenalty=10000% No break between verses of the same line.
6460 \clubpenalty=10000% Same as above. Not really needed.
6461 \def\newblock{\hfil\poemblocksep\hfil\null}%
6462 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
6463 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
6464 \global\poem@startedfalse
6465 \csname poem@obeylines\endcsname
6466 \let\poem@obeylines\relax
6467 \poem@lineparsebegin
6468 }
6469 \def\@endtraditionalpoem{%
6470 \cr
6471 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
6472 \noalign{%
6473 \skip0=\poemextrabaselineskip
6474 \vskip-\skip0
6475 \vskip-\baselineskip
6476 }%
6477 \fi\fi
6478 \poem@lineparseend
6479 \endgroup
6480 \par
6481 \vskip\baselineskip
6482 \poemskip
6483 \ifdim\new@poem@width<\poem@width
6484 \global\let\poem@needrun\relax
6485 \fi
6486 \poem@write@aux{poem@width@romannumeral\c@poem@no}{\new@poem@width}%
6487 \ifx\AtEndDocument\undefined\poem@finish\fi
6488 \@endparenv
6489 }
6490
6491
6492 \long\def\bidipoem@p@ftntext#1{%
6493 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]]}%
6494 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6495 \long\def\bidipoem@p@LTRftntext#1{%
6496 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]]}%
6497 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6498 \long\def\bidipoem@p@RTLftntext#1{%
6499 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]]}%
6500 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%

```



```

6501
6502 \long\def\bidipoem@p@xftntext[#1]#2{%
6503   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}
6504
6505 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
6506   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}
6507
6508 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6509   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}
6510
6511 \def\bidipoem@p@xfootnote[#1]{%
6512   \begingroup
6513     \csname c@\@mpfn\endcsname #1\relax
6514     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6515   \endgroup
6516   \@footnotemark\bidipoem@p@xftntext[#1]}
6517
6518 \def\bidipoem@p@xLTRfootnote[#1]{%
6519   \begingroup
6520     \csname c@\@mpfn\endcsname #1\relax
6521     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6522   \endgroup
6523   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6524
6525 \def\bidipoem@p@xRTLfootnote[#1]{%
6526   \begingroup
6527     \csname c@\@mpfn\endcsname #1\relax
6528     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6529   \endgroup
6530   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6531
6532
6533
6534 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6535 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obey
6536 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6537 \def\poem@finish{%
6538 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6539 \ifx\poem@needrun\relax
6540 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
6541 \global\let\poem@needrun\undefined
6542 \fi
6543 }
6544 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6545 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6546 \ifx\max@poem@no\undefined
6547   \def\max@poem@no{0}%
6548 \fi
6549 \newcommand{\poem@prop}[1]{\@nameuse{#1@romannumeral\c@poem@no}}
6550 \newcommand{\poem@write@aux}[2]{%
6551   \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6552   \@x
6553 }
6554 \def\@modernpoem{%

```



```

6555 \par
6556 \begingroup
6557 \parskip=\z@
6558 \parindent=\z@
6559 \def\[\{\@settab\@tabplus\ignorespaces}%
6560 \def\]\{\@tabminus\ignorespaces}%
6561 \def\newblock{\poemblocksep}%
6562 \let\newpoem@tabcr\@tabcr
6563 \def\modernpoem@par{% Redefine \par for possible \obeylines
6564   \ifpoem@started\else
6565     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6566       \@stopfield
6567       \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6568       \@contfield
6569     \fi
6570   \fi
6571   \ifpoem@started\newpoem@tabcr\fi}%
6572 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6573 \global\poem@startedfalse
6574 \csname poem@obeylines\endcsname
6575 \let\poem@obeylines\relax
6576 \begin{tabbing}%
6577 }
6578 \def\@endmodernpoem{%
6579 \global\poem@startedfalse
6580 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6581   \@stopfield
6582   \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6583   \@contfield
6584 \fi
6585 \ifpoem@started\else\let\@stopline\@stopfield\fi
6586 \end{tabbing}%
6587 \endgroup
6588 \par
6589 \if@nparlist \else
6590   \ifdim\lastskip >\z@
6591     \@tempskipa\lastskip \vskip -\lastskip
6592     \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6593     \vskip\@tempskipa
6594   \fi
6595   \@endparenv
6596 \fi
6597 }
6598 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6599 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\mode
6600 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6601 \gdef\@startfield{%
6602 \global\setbox\@curfield\hbox\bgroup%
6603 \let\@footnotetext\bidipoem@p@ftntext%
6604 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6605 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6606 \let\@xfootnotenext\bidipoem@p@xftntext%
6607 \let\@xfootnote\bidipoem@p@xfootnote%
6608 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%

```




```

6609 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6610 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6611 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6612 \color@begingroup}
6613 \gdef\@stopfield{%
6614   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6615 \gdef\@contfield{%
6616   \global\setbox\@curfield\hbox\bgroup%
6617   \let\@footnotetext\bidipoem@p@ftntext%
6618   \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6619   \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6620   \let\@xfootnotenext\bidipoem@p@xftntext%
6621   \let\@xfootnote\bidipoem@p@xfootnote%
6622   \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6623   \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6624   \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6625   \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6626 \color@begingroup\unhbox\@curfield}

```

31 File boek3-xetex-bidi.def

```

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

```



```

6660     }%
6661 \fi}
6662 \if@oldtoc
6663 \renewcommand*\l@part[2]{%
6664   \ifnum \c@tocdepth >-2\relax
6665     \addpenalty{-\@highpenalty}%
6666     \addvspace{2.25em \@plus\p@}%
6667     \begingroup
6668       \setlength\@tempdima{3em}%
6669       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6670       \parfillskip -\@pnumwidth
6671       {\leavevmode
6672         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6673         \nobreak
6674         \global\@nobreaktrue
6675         \everypar{\global\@nobreakfalse\everypar{}}%
6676       \endgroup
6677 \fi}
6678 \else
6679 \renewcommand*\l@part{%
6680   \ifnum \c@tocdepth >-2\relax
6681     \addpenalty{-\@highpenalty}%
6682     \addvspace{2.25em \@plus \p@}%
6683     \regtocline{0}%
6684 \fi}
6685 \fi
6686 \if@oldtoc
6687 \renewcommand*\l@chapter[2]{%
6688   \addpenalty{-\@highpenalty}%
6689   \vskip 1.0em \@plus\p@
6690   \setlength\@tempdima{1.5em}%
6691   \begingroup
6692     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6693     \parfillskip -\@pnumwidth
6694     \leavevmode \bfseries
6695     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6696     \hskip -\if@RTL\rightskip\else\leftskip\fi
6697     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6698     \penalty\@highpenalty
6699   \endgroup}
6700 \else
6701 \renewcommand*\l@chapter{\@regtocline{0}}
6702 \fi
6703 \renewenvironment{abstract}{%
6704   \titlepage
6705   \null\vfil
6706   \section*{\SectFont \abstractname}
6707   \noindent\ignorespaces}
6708 {\par\vfil\null\endtitlepage}
6709 \renewenvironment{thebibliography}[1]
6710 {\chapter*{\bibname}%
6711   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6712   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6713   \bidi@thebibliography@font@hook%

```



```

6714 \list{\@biblabel{\@arabic\c@enumiv}}%
6715 {\settowidth\labelwidth{\@biblabel{#1}}%
6716 \leftmargin\labelwidth
6717 \advance\leftmargin\labelsep
6718 \openbib@code
6719 \usecounter{enumiv}}%
6720 \let\p@enumiv\@empty
6721 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6722 \sloppy\clubpenalty4000\widowpenalty4000%
6723 \sfcode\.\@m}
6724 {\def\@noitemerr
6725 {\@latex@warning{Empty `thebibliography' environment}}}%
6726 \endlist}
6727 \renewcommand*\left@footnoterule{%
6728 \kern-3\p@
6729 \kern.5\baselineskip
6730 \hrule\@width\unitindent
6731 \kern.4\baselineskip
6732 }
6733 \renewcommand*\right@footnoterule{%
6734 \kern-3\p@
6735 \kern.5\baselineskip
6736 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6737 \kern.4\baselineskip}
6738 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6739 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6740 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6741 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6742 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6743 \renewcommand*\theequation{%
6744 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6745 \renewcommand*\thefigure{%
6746 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6747 \renewcommand*\thetable{%
6748 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6749 \renewcommand*\maketitle{%
6750 \begin{titlepage}%
6751 \let\footnotesize\small
6752 \let\right@footnoterule\relax
6753 \let\left@footnoterule\relax
6754 \let\textwidth\footnoterule\relax
6755 \let \footnote \thanks
6756 \long\def\@makefnmark{\parindent\z@
6757 \def\labelitemi{\textendash}\@revlabeltrue
6758 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6759 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6760 \if@compatibility\setcounter{page}{0}\fi
6761 \null\vfil
6762 \vskip 60\p@
6763 \begin{center}%
6764 \TitleFont
6765 {\LARGE \def\\{\penalty -\@M}
6766 \if@allcaps
6767 \expandafter\uc@nothanks\@title\thanks\relax

```



```

6768         \else
6769             \@title
6770             \fi\par}%
6771         \vskip 3em%
6772     {\large
6773         \lineskip .75em \parindent\z@
6774         \begin{tabular}[t]{c}%
6775             \if@allcaps
6776                 \expandafter\uc@authornothanks\@author\and\relax
6777             \else
6778                 \@author
6779             \fi
6780         \end{tabular}\par}%
6781     \vskip 1.5em%
6782 {\large
6783     \if@allcaps
6784         \uppercase\expandafter{\@date}%
6785     \else
6786         \@date
6787     \fi\par}%
6788 \end{center}\par
6789 \@thanks
6790 \vfil\null
6791 \end{titlepage}%
6792 \setcounter{footnote}{0}%
6793 \global\let\thanks\relax
6794 \global\let\maketitle\relax
6795 \global\let\@thanks\@empty
6796 \global\let\@author\@empty
6797 \global\let\@title\@empty
6798 \global\let\@date\@empty
6799 \global\let\title\relax
6800 \global\let\author\relax
6801 \global\let\date\relax
6802 \global\let\and\relax
6803 }

```

32 File boek-xetex-bidi.def

```

6804 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
6805 \renewenvironment{theindex}{%
6806     \if@twocolumn
6807         \@restonecolfalse
6808     \else
6809         \@restonecoltrue
6810     \fi
6811     \columnseprule \z@
6812     \columnsep 35\p@
6813     \twocolumn[\@makeschapterhead{\indexname}]%
6814     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6815     \thispagestyle{plain}\parindent\z@
6816     \parskip\z@ \@plus .3\p@\relax
6817     \let\item\@idxitem
6818 }{%

```



```

6819 \if@restonecol\onecolumn\else\clearpage\fi}
6820 \renewcommand*\head@style{%
6821   \interlinepenalty \@M
6822   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6823   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6824 \renewcommand*\@regtocline[3]{%
6825   \ifnum #1>\c@tocdepth
6826   \else
6827     \vskip\z@\@plus.2\p@
6828     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6829     \if@RTL\rightskip\else\leftskip\fi\unitindent
6830     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6831     \parfillskip\z@
6832     \@tempdima\unitindent
6833     \parindent\z@
6834     \leavevmode
6835     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6836     \hskip 1em \nobreak{\slshape #3}\par
6837   }%
6838 \fi}
6839 \if@oldtoc
6840 \renewcommand*\l@part[2]{%
6841   \ifnum \c@tocdepth >-2\relax
6842     \addpenalty{-\@highpenalty}%
6843     \addvspace{2.25em \@plus\p@}%
6844     \begingroup
6845       \setlength\@tempdima{3em}%
6846       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6847       \parfillskip -\@pnumwidth
6848       {\leavevmode
6849         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6850         \nobreak
6851         \global\@nobreaktrue
6852         \everypar{\global\@nobreakfalse\everypar{}}%
6853       \endgroup
6854 \fi}
6855 \else
6856   \renewcommand*\l@part{%
6857     \ifnum \c@tocdepth >-2\relax
6858       \addpenalty{-\@highpenalty}%
6859       \addvspace{2.25em \@plus \p@}%
6860       \@regtocline{0}%
6861     \fi}
6862 \fi
6863 \if@oldtoc
6864 \renewcommand*\l@chapter[2]{%
6865   \addpenalty{-\@highpenalty}%
6866   \vskip 1.0em \@plus\p@
6867   \setlength\@tempdima{1.5em}%
6868   \begingroup
6869   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6870   \parfillskip -\@pnumwidth
6871   \leavevmode \bfseries
6872   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima

```



```

6873 \hskip -\if@RTL\rightskip\else\leftskip\fi
6874 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6875 \penalty\@highpenalty
6876 \endgroup}
6877 \else
6878 \renewcommand*\l@chapter{\@regtocline{0}}
6879 \fi
6880 \renewcommand*\left@footnoterule{%
6881 \kern-3\p@
6882 \kern.5\baselineskip
6883 \hrule\@width\unitindent
6884 \kern.4\baselineskip
6885 }
6886 \renewcommand*\right@footnoterule{%
6887 \kern-3\p@
6888 \kern.5\baselineskip
6889 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6890 \kern.4\baselineskip}
6891 \renewenvironment{abstract}{%
6892 \titlepage
6893 \null\vfil
6894 \section*\SectFont \abstractname}
6895 \noindent\ignorespaces}
6896 {\par\vfil\null\endtitlepage}
6897 \renewenvironment{thebibliography}[1]
6898 {\chapter*{\bibname}%
6899 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6900 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6901 \bidi@thebibliography@font@hook%
6902 \list{\@biblabel{\@arabic\c@enumiv}}%
6903 {\settowidth\labelwidth{\@biblabel{#1}}%
6904 \leftmargin\labelwidth
6905 \advance\leftmargin\labelsep
6906 \@openbib@code
6907 \usecounter{enumiv}%
6908 \let\p@enumiv\@empty
6909 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6910 \sloppy\clubpenalty4000\widowpenalty4000%
6911 \sfcode\.\@m}
6912 {\def\@noitemerr
6913 {\@latex@warning{Empty `thebibliography' environment}}}%
6914 \endlist}
6915 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6916 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6917 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6918 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6919 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6920 \renewcommand*\theequation{%
6921 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6922 \renewcommand*\thefigure{%
6923 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6924 \renewcommand*\thetable{%
6925 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6926 \renewcommand*\maketitle{%

```



```

6927 \begin{titlepage}%
6928   \let\footnotesize\small
6929   \let\right@footnoterule\relax
6930   \let\left@footnoterule\relax
6931   \let\textwidth@footnoterule\relax
6932   \let \footnote \thanks
6933   \long\def\@makefntext##1{\parindent\z@
6934     \def\labelitemi{\textendash}\@revlabeltrue
6935     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6936   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6937   \if@compatibility\setcounter{page}{0}\fi
6938   \null\vfil
6939   \vskip 60\p@
6940   \begin{center}%
6941     \TitleFont
6942     {\LARGE \def\\{\penalty -\@M}
6943       \if@allcaps
6944         \expandafter\uc@nothanks\@title\thanks\relax
6945       \else
6946         \@title
6947       \fi\par}%
6948   \vskip 3em%
6949   {\large
6950     \lineskip .75em \parindent\z@
6951     \begin{tabular}[t]{c}%
6952       \if@allcaps
6953         \expandafter\uc@authornothanks\@author\and\relax
6954       \else
6955         \@author
6956       \fi
6957     \end{tabular}\par}%
6958   \vskip 1.5em%
6959   {\large
6960     \if@allcaps
6961       \uppercase\expandafter{\@date}%
6962     \else
6963       \@date
6964     \fi\par}%
6965   \end{center}\par
6966   \@thanks
6967   \vfil\null
6968 \end{titlepage}%
6969 \setcounter{footnote}{0}%
6970 \global\let\thanks\relax
6971 \global\let\maketitle\relax
6972 \global\let\@thanks\@empty
6973 \global\let\@author\@empty
6974 \global\let\@title\@empty
6975 \global\let\@date\@empty
6976 \global\let\title\relax
6977 \global\let\author\relax
6978 \global\let\date\relax
6979 \global\let\and\relax
6980 }

```



33 File bookest-xetex-bidi.def

```

6981 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for
6982 \def\@makechapterhead#1{%
6983   \vspace*{20\p@}
6984   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6985     \ifnum \c@secnumdepth >\m@ne
6986       \if@mainmatter
6987         {\colorA\huge\scshape \@chapapp\space \thechapter}
6988         \par\nobreak
6989         \vskip 10\p@
6990       \fi
6991     \fi
6992     \interlinepenalty\@M
6993     {\colorB\hrule}
6994     \vskip 15\p@
6995     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6996       {\colorA\Huge \bfseries #1}\par\nobreak
6997     \if@RTL\end{flushleft}\else\end{flushright}\fi
6998     \vskip 5\p@
6999     {\colorB\hrule}
7000     \vskip 30\p@
7001   }}
7002 \def\@makeschapterhead#1{%
7003   \vspace*{20\p@}
7004   {\parindent \z@ \raggedright \normalfont
7005     {\colorB\hrule}
7006     \vskip 15\p@
7007     \begin{center}
7008       {\colorA\Huge \bfseries #1}\par\nobreak
7009     \end{center}
7010     \vskip 5\p@
7011     {\colorB\hrule}
7012     \vskip 30\p@
7013   }}

```

34 File book-xetex-bidi.def

```

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

```




```

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

```



```

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

```



```

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

```



```

7192 \vspace*{50\p@}%
7193 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7194 \normalfont
7195 \interlinepenalty\@M
7196 \Huge \bfseries #1\par\nobreak
7197 \vskip 40\p@
7198 }}
7199 \renewcommand\backmatter{%
7200 \if@openright
7201 \cleardoublepage
7202 \else
7203 \clearpage
7204 \fi
7205 \@mainmatterfalse}
7206 \renewenvironment{thebibliography}[1]
7207 {\chapter*{\bibname}%
7208 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
7209 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7210 \bidi@thebibliography@font@hook%
7211 \list{\@biblabel{\@arabic\c@enumiv}}%
7212 {\settowidth\labelwidth{\@biblabel{#1}}%
7213 \leftmargin\labelwidth
7214 \advance\leftmargin\labelsep
7215 \@openbib@code
7216 \usecounter{enumiv}%
7217 \let\p@enumiv\@empty
7218 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7219 \sloppy
7220 \clubpenalty4000
7221 \@clubpenalty \clubpenalty
7222 \widowpenalty4000%
7223 \sfcode\.\@m}
7224 {\def\@noitemerr
7225 {\@latex@warning{Empty `thebibliography' environment}}}%
7226 \endlist}

```

35 File breqn-xetex-bidi.def

```

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

```



```

7243 \global\let\GRP@label\@empty
7244 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
7245 \global\grp@linewidth\z@\global\grp@wdNum\z@
7246 \global\let\grp@eqs@numbered\@False
7247 \global\let\grp@aligned\@True
7248 \global\let\grp@shiftnumber\@False
7249 \eq@prelim
7250 \setkeys{breqn}{#1}%
7251 \if\grp@hasNumber \grp@setnumber \fi
7252 }
7253 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
7254 \let\display@setup\dseries@display@setup
7255 % Question: should this be the default for dseries???
7256 \global\eq@wdCond\z@
7257 \@dmath[layout={M},#1]%
7258 \mathsurround\z@\@math \penalty\@Mi
7259 \let\endmath\ends@math
7260 \def\premath{%
7261 \ifdim\lastskip<.3em \unskip
7262 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
7263 }%
7264 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
7265 \ignorespaces
7266 }
7267 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
7268 \renewenvironment{dsuspend}{%
7269 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
7270 \parshape 1 \displayindent \displaywidth\relax
7271 \hsize=\columnwidth \noindent\ignorespaces
7272 }{%
7273 \par\egroup
7274 \global\setbox\GRP@box\vbox{%
7275 \hbox{\copy\EQ@box\topof\unvbox\EQ@box}}%
7276 \unvbox\GRP@box
7277 }%
7278 \global\GRP@queue\@xp{\the\GRP@queue
7279 \@elt{\let\eq@isIntertext\@True}}%
7280 }%
7281 }

```

36 File cals-xetex-bidi.def

```

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

```



```

7294 \cals@tfoot@height=0pt \relax
7295 \let\cals@last@context=n%
7296 \let\cals@current@context=b%
7297 \parindent=0pt \relax%
7298 \cals@setup@alignment{#1}%
7299 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
7300 %% Alignment inside is independent on center/flushright outside
7301 \parfillskip=0pt plus1fil\relax
7302 \let\cals@borderL=\relax
7303 \let\cals@borderR=\relax
7304 \let\cals@borderT=\relax
7305 \let\cals@borderB=\relax
7306 \setbox\cals@backup@row=\box\voidb@x\relax
7307 \cals@AtBeginTable
7308 }{% End of the table
7309 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
7310 \renewcommand\alignL{%
7311 \if@RTLtab
7312 \cals@vfillAdd\cals@paddingL
7313 \else
7314 \cals@vfillDrop\cals@paddingL
7315 \fi
7316 \cals@vfillDrop\cals@paddingR}
7317 \renewcommand\alignR{%
7318 \if@RTLtab
7319 \cals@vfillDrop\cals@paddingL
7320 \else
7321 \cals@vfillAdd\cals@paddingL
7322 \fi
7323 \cals@vfillDrop\cals@paddingR}

```

37 File caption-xetex-bidi.def

```

7324 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package f
7325 \let\makecaption\caption@makecaption

```

38 File caption3-xetex-bidi.def

```

7326 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package
7327 \renewcommand*\caption@par{%
7328 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

39 File colortbl-xetex-bidi.def

```

7329 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package
7330 \def\CT@setup{%
7331 \@tempdimb\col@sep
7332 \@tempdimc\col@sep
7333 \def\CT@color{%
7334 \global\let\CT@do@color\CT@@do@color
7335 \bidicolor}}
7336 \def\@classz{\@classx
7337 \@tempcnta \count@
7338 \prepnext@tok

```



```

7339 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
7340 \@addtopreamble{\if@RTLtab\beginL\fi%
7341 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
7342 \ifcase \@chnum
7343 \hskip\stretch{.5}\kern\z@
7344 \d@llarbegin
7345 \insert@column
7346 \d@llarend\hskip\stretch{.5}\or
7347 \d@llarbegin \insert@column \d@llarend \hfill \or
7348 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
7349 $\vcenter
7350 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
7351 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
7352 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
7353 \fi
7354 \if@RTLtab\endR\fi\egroup\egroup
7355 \begingroup
7356 \CT@setup
7357 \CT@column@color
7358 \CT@row@color
7359 \CT@cell@color
7360 \CT@do@color
7361 \endgroup
7362 \@tempdima\ht\z@
7363 \advance\@tempdima\minrowclearance
7364 \vrule\@height\@tempdima\@width\z@
7365 \unhbox\z@\if@RTLtab\endL\fi}%
7366 \prepnext@tok}

```

40 File color-xetex-bidi.def

```

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

```



```

7390 \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7391 \DeclareRobustCommand\bidicolor{%
7392 \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
7393 \def\@bidiundeclaredcolor[#1]#2{%
7394 \@ifundefined{color@#1}%
7395 {\c@lor@error{model `#1'}}%
7396 {\csname color@#1\endcsname\current@color{#2}%
7397 \set@color}%
7398 \ignorespaces}
7399 \def\@bidideclaredcolor#1{%
7400 \@ifundefined{\string\color @#1}%
7401 {\c@lor@error{`#1'}}%
7402 {\expandafter\let\expandafter\current@color
7403 \csname\string\color @#1\endcsname
7404 \set@color}%
7405 \ignorespaces}
7406 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
7407 \def\color@fbox#1#2#3{%
7408 \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
7409 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmod

```

41 File combine-xetex-bidi.def

```

7410 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for
7411 \renewcommand{\c@ll@chapsecii}[2]{%
7412 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7413 \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
7414 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7415 }
7416 \renewcommand{\c@ll@chapseci}{%
7417 \setlength\@tempdima{0em}%
7418 \begingroup
7419 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7420 \parfillskip -\@pnumwidth
7421 \leavevmode
7422 }
7423 \renewenvironment{tocindent}[1]{%
7424 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{%

```

42 File crop-xetex-bidi.def

```

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

```




```

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

```



```

7492 \end{picture}%
7493 \fi%
7494 }
7495 \renewcommand*\CROP@lrc{%
7496 \if@RTLmain%
7497 \begin{picture}(0,0)
7498 \unitlength\p@\thinline
7499 \put(20,0){\circle{10}}
7500 \put(30,-5){\line(0,1){10}}
7501 \put(35,0){\line(-1,0){30}}
7502 \put(-10,-30){\circle{10}}
7503 \put(-5,-30){\line(1,0){10}}
7504 \put(0,-35){\line(0,1){30}}
7505 \end{picture}%
7506 \else%
7507 \begin{picture}(0,0)
7508 \unitlength\p@\thinline
7509 \put(30,0){\circle{10}}
7510 \put(30,-5){\line(0,1){10}}
7511 \put(35,0){\line(-1,0){30}}
7512 \put(0,-30){\circle{10}}
7513 \put(-5,-30){\line(1,0){10}}
7514 \put(0,-35){\line(0,1){30}}
7515 \end{picture}%
7516 \fi%
7517 }
7518 \@ifpackagewith{crop}{cam}{%
7519 \CROP@except{cam}%
7520 }{}

```

43 File cutwin-xetex-bidi.def

```

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

```



```

7543     \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7544     \c@twprune{\c@twslicea}{\c@twlspec}%
7545     \def\c@twrounds{2}
7546   \else
7547     \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
7548     \c@twprune{\c@twsliceb}{\c@twlspec}%
7549     \ifnum\c@twfirst=1
7550       \setbox#2=\vbox{\unvbox#2\hbox
7551         to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\ifRTL\
7552       \def\c@twfirst{2}
7553     \else
7554       \setbox#2=\vbox{\unvbox#2\hbox
7555         to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\ifRTL\box\c@twslicea\el
7556     \fi
7557     \def\c@twrounds{1}
7558   \fi}}

```

44 File cuted-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

7756      ^^JSplit: \the\cuted@@tempdim@b
7757      ^^JExtra height: \the\cuted@@tempdim@spread
7758    }%
7759    \ifnum\var@@leftcolumn@badness<\cuted@@column@badness
7760      \ifnum\var@@rightcolumn@badness<\cuted@@column@badness
7761        \cuted@@tempdim@spread=\z@
7762      \fi
7763    \fi
7764    \ifdim\cuted@@tempdim@spread<\z@
7765      \if@left@column@spread
7766        \if@right@column@shrink
7767          \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink>\z@
7768            \cuted@@tempdim@a=\dimexpr\ht\cuted@@tempbox@c-0.5\cuted@@tempdim@spread
7769          \else
7770            \cuted@@tempdim@a=-\dimexpr\cuted@@tempdim@spread+.5\pageshrink\relax
7771          \fi
7772          \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@tempbox@c}
7773          \ifnum\badness<\cuted@@column@badness
7774            \cuted@@tempdim@b=\cuted@@tempdim@a
7775            \cuted@@tempdim@spread=\z@
7776          \fi
7777          \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness\space on \the\input}
7778          \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@a{\unvcopy\cuted@@varbox@c}
7779          \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness\space on \the\input}
7780        \else
7781          \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{\unvcopy\cuted@@tempbox@c}
7782          \unvcopy\cuted@@tempbox@c
7783        }%
7784        \ifnum\badness<\cuted@@column@badness
7785          \@tempdimb=\ht\cuted@@varbox@c
7786          \cuted@@tempdim@spread=\z@
7787        \fi
7788        \cuted@@wlog@debug{CUTED [leftcolumn badness]: \number\badness on \the\input}
7789        \setbox\cuted@@varbox@a\vbox to\ht\cuted@@varbox@c{\unvcopy\cuted@@varbox@c}
7790        \unvcopy\cuted@@varbox@c
7791      }%
7792      \cuted@@wlog@debug{CUTED [rightcolumn badness]: \number\badness on \the\input}
7793    \fi
7794  \else
7795    \if@right@column@shrink
7796      \ifdim\dimexpr\cuted@@tempdim@spread+\pageshrink<\z@
7797      \else
7798        \cuted@@tempdim@b=\ht\cuted@@tempbox@c
7799        \cuted@@tempdim@spread=\z@
7800      \fi
7801    \fi
7802  \fi
7803 \else
7804   \ifdim\cuted@@tempdim@spread>\z@
7805     \ifdim\dimexpr\@tempdimb+\p@\relax>\@colht
7806       \cuted@@tempdim@b=\@colht
7807       \cuted@@tempdim@spread=\z@
7808     \fi
7809   \fi

```



```

7810      \fi
7811      \ifdim\cuted@@tempdim@spread<\z@
7812        \advance\cuted@@tempdim@b 1\p@
7813      \repeat
7814      \wlog{CUTED [- LAST -]%
7815        ^^JExtra skip:\the\cuted@@tempdim@spread
7816        ^^JLeft:\the\ht\cuted@@tempbox@c/\the\dp\cuted@@tempbox@c
7817        ^^JRight:\the\ht\cuted@@varbox@c/\the\dp\cuted@@varbox@c
7818        ^^JSplit:\saved@tempdimb
7819        ^^JOutput:\the\cuted@@tempdim@b
7820        ^^JPageshrink:\the\pageshrink
7821        ^^JPagestretch:\the\pagestretch
7822        ^^J@colht:\the\@colht
7823      }%
7824    %%
7825    %% final construction of the cuted page above strip
7826    %%
7827    \setbox\cuted@@tempbox@c\vsplit\@holdpg to\saved@tempdimb
7828    \setbox\cuted@@tempbox@a\vbox to\cuted@@tempdim@b{%
7829      \cuted@@tempdim@a=\dimexpr
7830        \cuted@@tempdim@b-\ht\cuted@@tempbox@c
7831      \relax
7832      \cuted@@tempdim@spread=\dp\cuted@@tempbox@c
7833      \unvbox\cuted@@tempbox@c
7834      \ifdim\cuted@@tempdim@spread>\dp\strutbox
7835      \else
7836        \vskip-\cuted@@tempdim@spread
7837      \fi
7838      \prevdepth\z@
7839      \hrule\@height\cuted@@page@rule width\textwidth
7840      \vskip-\cuted@@page@rule
7841      \ifdim\cuted@@tempdim@a>\z@
7842        \if@left@column@spread
7843        \else
7844          \vss
7845        \fi
7846      \else
7847        \ifdim\cuted@@tempdim@a<\z@
7848          \if@left@column@shrink
7849          \else
7850            \vss
7851          \fi
7852        \fi
7853      \fi
7854    }%
7855    \wlog{CUTED [output]: \the\cuted@@tempdim@b
7856      ^^JCUTED [leftcolumn badness]: \number\badness
7857    }%
7858    \setbox\cuted@@varbox@a\vbox to\cuted@@tempdim@b{%
7859      \cuted@@tempdim@a=\dimexpr
7860        \cuted@@tempdim@b-\ht\@holdpg
7861      \relax
7862      \unvbox\@holdpg
7863      \ifdim\cuted@@tempdim@a>\z@

```




```

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

```



```

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

```



```

7972             \ifdim\cuted@@tempdim@a>\@colht
7973             \latex@warning@no@line{TOP and/or BOT FLOAT's
7974             to large on \thepage (\var@@thecol@num column)}}%
7975             \fi
7976             \@emptycol
7977             \if@firstcolumn
7978             \else
7979             \@emptycol
7980             \fi
7981             \global\@lastvipertrue
7982         \fi
7983     \fi
7984 \fi
7985 \if@insert
7986 \else
7987     \advance\ht@hold@viper by-\ht@hold@viper
7988     \global\advance\@colht by\ht@hold@viper
7989     \global\setbox\hold@viper\ vbox{%
7990         \unvbox\hold@viper
7991         \set@split@topskip@to{\z@ plus2\p@}%
7992         \vsplit\@viper to\@colht
7993         \vss
7994     }%
7995     \vbox{%
7996         \global\@firstcolumnfalse
7997         \newpage
7998     \fi
7999 }

```

45 File cvthemebidicasual.sty

```

8000 \NeedsTeXFormat{LaTeX2e}
8001 \ProvidesPackage{cvthemebidicasual}
8002 \DeclareOption{blue}{}
8003 \newif\if@colourorange\@colourorangefalse
8004 \DeclareOption{orange}{\@colourorangetrue}
8005 \newif\if@colourgreen\@colourgreenfalse
8006 \DeclareOption{green}{\@colourgreentrue}
8007 \newif\if@colourred\@colourredfalse
8008 \DeclareOption{red}{\@colourredtrue}
8009 \newif\if@colourgrey\@colourgreyfalse
8010 \DeclareOption{grey}{\@colourgreytrue}
8011 \DeclareOption*{
8012     \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
8013 \ExecuteOptions{colour}
8014 \ProcessOptions\relax
8015 \renewcommand*{\listitemsymbol}{\textbullet}
8016 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
8017 \familynamecolour{808080}
8018 \firstnamecolour{A9A9A9}
8019 \quotecolour{696969}
8020 \addresscolour{696969}
8021 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
8022 \sectiontitlecolour{1E90FF}

```



```

8023 \subsectioncolour{4682B4}
8024 \definecolor{rulecolour}{gray}{0.6}
8025 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
8026 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
8027 \if@colourorange
8028   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
8029   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
8030   \sectiontitlecolour{FF8C00}
8031   \subsectioncolour{FF8C00}
8032   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
8033   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
8034 \if@colourgreen
8035   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
8036   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
8037   \sectiontitlecolour{008000}
8038   \subsectioncolour{008000}
8039   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
8040   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
8041 \if@coloured
8042   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
8043   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
8044   \sectiontitlecolour{FF0000}
8045   \subsectioncolour{FF0000}
8046   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
8047   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
8048 \if@colougrey
8049   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
8050   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
8051   \sectiontitlecolour{808080}
8052   \subsectioncolour{808080}
8053   \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
8054   \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
8055 \renewcommand*{\ttdefault}{pcr}
8056 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
8057 \renewcommand*{\familynamefont}{\firstnamefont}
8058 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
8059 \renewcommand*{\quoteont}{\large\slshape}
8060 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
8061 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
8062 \renewcommand*{\maketitle}{%
8063   {%
8064     \ifthenelse{\isundefined{\@photo}}{%
8065       {%
8066         {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
8067         \hfill%
8068         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
8069         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
8070       \ifthenelse{\isundefined{\@quote}}{%
8071         {%
8072           {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}
8073         }%
8074       \newif\if@firstfooterelement\@firstfooterelementtrue
8075       \providecommand*{\footersymbol}{%
8076       \renewcommand*{\footersymbol}{%

```



```

8077 \if@firstfooterelement%
8078 \else%
8079 {~~\color{footersymbolcolor}\textbullet~~}\fi}
8080 \providecommand*\makefooter{}
8081 \renewcommand*\makefooter{%
8082 \fancypagestyle{plain}{%
8083 \fancyfoot[c]{%
8084 \parbox{0.8\textwidth}{%
8085 \centering%
8086 \addressfont\@addresscolour%
8087 \ifthenelse{isundefined{\@address}}{}{}%
8088 \addresssymbol~\@address\\%
8089 \@firstfooterelementfalse}%
8090 \ifthenelse{isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
8091 \ifthenelse{isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
8092 \ifthenelse{isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
8093 \ifthenelse{isundefined{\@email}}{}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
8094 \ifthenelse{isundefined{\@extrainfo}}{}{\footersymbol\extrainfo\@firstfooterelementfalse}%
8095 }%
8096 \pagestyle{plain}}
8097 \AtBeginDocument{\makefooter}

```

46 File cvthemebidiclassic.sty

```

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

```



```

8128 \subsectioncolour{FF8C00}\fi
8129 \if@colourgreen
8130 \addresscolour{008000}
8131 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
8132 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
8133 \sectiontitlecolour{008000}
8134 \subsectioncolour{008000}\fi
8135 \if@colourred
8136 \addresscolour{FF0000}
8137 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
8138 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
8139 \sectiontitlecolour{FF0000}
8140 \subsectioncolour{FF0000}\fi
8141 \if@colourgrey
8142 \addresscolour{808080}
8143 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
8144 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
8145 \sectiontitlecolour{808080}
8146 \subsectioncolour{808080}\fi
8147 \renewcommand*{\ttdefault}{pcr}
8148 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
8149 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
8150 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
8151 \renewcommand*{\familynamefont}{\firstnamefont}
8152 \renewcommand*{\quoteont}{\large\slshape}
8153 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
8154 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
8155 \newlength{\maketitlenamemaxwidth}
8156 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
8157 \newlength{\maketitlenamefullwidth}
8158 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
8159 \newlength{\maketitlenamewidth}
8160 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamefullwidth}
8161 \newlength{\maketitlepicturewidth}
8162 \setlength{\maketitlepicturewidth}{\@photowidth}
8163 \newlength{\maketitledetailwidth}
8164 \renewcommand*{\recomputethemelengths}{%
8165 \setlength{\maketitledetailwidth}{\textwidth}%
8166 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
8167 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
8168 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
8169 \recomputethemelengths
8170 \newif\if@firstdetailselement\@firstdetailselementtrue
8171 \newcommand*{\maketitledetailnewline}{
8172 \if@firstdetailselement%
8173 \@firstdetailselementfalse%
8174 \else%
8175 \[\.2em]\fi}
8176 \renewcommand*{\maketitle}{%
8177 % name and title
8178 \begin{minipage}[b]{\maketitlenamewidth}%
8179 \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
8180 \ifthenelse{\equal{\@title}{}}{\[\[1.25em]\titlestyle{\@title}}%
8181 \end{minipage}%

```



```

8182 % optional data
8183 \begin{minipage}[b]{\maketitledetailswidth}%
8184 \bidi@raggedleft\addressfont\@addresscolour%
8185 \ifthenelse{\isundefined{\@address}}{}{%
8186 \maketitledetailsnewline%
8187 \addresssymbol~\\ \@address}%
8188 \ifthenelse{\isundefined{\@mobile}}{}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
8189 \ifthenelse{\isundefined{\@phone}}{}{\maketitledetailsnewline\phonesymbol~\@phone}%
8190 \ifthenelse{\isundefined{\@fax}}{}{\maketitledetailsnewline\faxsymbol~\@fax}%
8191 \ifthenelse{\isundefined{\@email}}{}{\maketitledetailsnewline\emailsymbol~\emailink{\@e
8192 \ifthenelse{\isundefined{\@extrainfo}}{}{\maketitledetailsnewline\@extrainfo}%
8193 \end{minipage}%
8194 % optional photo
8195 \ifthenelse{\isundefined{\@photo}}%
8196 {}%
8197 {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=
8198 % optional quote
8199 \ifthenelse{\isundefined{\@quote}}%
8200 {}%
8201 {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\
8202 }

```

47 File dblfnote-xetex-bidi.def

```

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

```



```

8233 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
8234 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
8235     \let\insert\dfn@gobble
8236     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
8237     \def\@makefnmark{\smash{\dfn@makefnmark}}
8238     \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
8239     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
8240     \ifdim\dfn@dima>z@\else
8241         \dfn@dima1sp\relax
8242         \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
8243     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
8244         \ifvoid\dfn@ins\else
8245             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
8246             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
8247     \setbox\dfn@boxa\copy\dfn@ins
8248     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8249     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
8250     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
8251     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
8252     \xdef\dfn@list{\dfn@list\@elt{number\dfn@dima}{number\@tempdima}}}}
8253 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
8254 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
8255 \def\dfn@RTLmakecol{{\ifvoid\footins\else
8256     \dfn@dima\ht\footins
8257     \@tempcnta\z@ \dfn@countins
8258     \@tempdima\z@ \let\@elt\dfn@elt\getht
8259     \dfn@list\@nil
8260     \ifdim\@tempdima=\z@\else
8261         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
8262         \global\setbox\dfn@ins\box\dfn@ins
8263         \@tempswatrue
8264         \ifdfn@trysingle
8265             \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
8266             \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
8267             \advance\@tempdima-\skip\footins
8268             \advance\@tempdima-\ht\dfn@boxa
8269             \ifdim\@tempdima<z@\else \@tempswafalse
8270                 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
8271                     \footnoterule \unvbox\dfn@boxa}\fi\fi
8272             \if@tempswa
8273                 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8274                 \global\setbox\footins\vbox{\hbox{%
8275                     \hskip \DFNcolumnwidth
8276                     \hskip\DFNcolumnsep
8277                     \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
8278                         \unvbox\dfn@boxb\vss}\hss}
8279                     \hskip -\textwidth
8280                     \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
8281                         \vbox to\@tempdima{
8282                             \setbox\@tempboxa\vbox{\footnoterule}
8283                             \ifdfn@ruleboth \unvbox\@tempboxa
8284                             \else \@tempdima\ht\@tempboxa
8285                             \advance\@tempdima\dp\@tempboxa
8286                             \vskip\@tempdima

```




```

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

```



```

8341 \prevdepth\dp\@tempboxa \fi
8342 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
8343 \global\dfn@fnht\z@
8344 \ifx\dfn@list\@empty\else
8345 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
8346 \dfn@list \global\advance\dfn@fnht\dfn@dimb
8347 \let\@elt\relax
8348 \ifdim\dfn@dimb>\z@
8349 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
8350 \insert\footins{\floatingpenalty\@MM
8351 \vbox to\dfn@dimb{}}}\fi
8352 \ifdim\dfn@fnht>\@tempdima
8353 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
8354 \global\dfn@fnht\@tempdima
8355 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
8356 \xdef\dfn@afteroutput{\insert\footins{
8357 \floatingpenalty\@MM
8358 \vbox to\number\@tempdimb sp{}}}%
8359 \global\let\noexpand\dfn@afteroutput\relax}%
8360 \fi\fi
8361 \fi}%
8362 \let\footnoterule\relax \dfn@latex@makecol
8363 \let\footnoterule\dfn@footnoterule}
8364 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
8365 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
8366 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
8367 \DFNalwaysdouble

```

48 File diagbox-xetex-bidi.def

```

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

```



```

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

```



```

8446 }{%
8447   {\diagbox@setlinecolor
8448     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
8449 }{}{}
8450 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
8451 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
8452   \diagbox@setlinecolor
8453   \Line(0,\yym)(\x,0)
8454   \Line(\xm,\y)(\x,0)%
8455 }{%
8456   {\diagbox@setlinecolor
8457     \Line(0,\yym)(\x,0)
8458     \Line(\xm,\y)(\x,0)}%
8459 }{}{}
8460 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
8461   \diagbox@setlinecolor
8462   \Line(0,0)(\xxm,\y)
8463   \Line(0,0)(\x,\yym)%
8464 }{%
8465   {\diagbox@setlinecolor
8466     \Line(0,0)(\xxm,\y)
8467     \Line(0,0)(\x,\yym)}%
8468 }{}{}
8469 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
8470   \diagbox@setlinecolor
8471   \Line(0,\ym)(\x,\y)
8472   \Line(\xm,0)(\x,\y)%
8473 }{%
8474   {\diagbox@setlinecolor
8475     \Line(0,\ym)(\x,\y)
8476     \Line(\xm,0)(\x,\y)}%
8477 }{}{}
8478 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
8479   \diagbox@setlinecolor
8480   \Line(0,\y)(\xxm,0)
8481   \Line(0,\y)(\x,\ym)%
8482 }{%
8483   {\diagbox@setlinecolor
8484     \Line(0,\y)(\xxm,0)
8485     \Line(0,\y)(\x,\ym)}%
8486 }{}{}

```

49 File draftwatermark-xetex-bidi.def

```

8487 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
8488 \renewcommand\SetWatermarkText[1]{%
8489   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

50 File eso-pic-xetex-bidi.def

```

8490 \ProvidesFile{eso-pic-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for eso-pic package]
8491 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8492   \put(\if@RTLmain\paperwidth\else 0\fi,-\paperheight){#1}}}
8493

```



```

8494 \ESO@isMEMOIR{%
8495   \renewcommand\AtTextUpperLeft[1]{%
8496     \begingroup
8497       \ifodd\c@page
8498         \if@RTLmain
8499           \ESO@tempdima=\paperwidth
8500           \advance\ESO@tempdima-\textwidth
8501           \advance\ESO@tempdima-\spinemargin
8502         \else
8503           \ESO@tempdima=\spinemargin
8504         \fi
8505       \else
8506         \if@RTLmain
8507           \ESO@tempdima=\spinemargin
8508         \else
8509           \ESO@tempdima=\paperwidth
8510           \advance\ESO@tempdima-\textwidth
8511           \advance\ESO@tempdima-\spinemargin
8512         \fi
8513       \fi
8514       \ESO@tempdimb=-\uppermargin
8515       \AtPageUpperLeft{%
8516         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
8517       }%
8518     \endgroup
8519   }
8520 }{%
8521   \renewcommand\AtTextUpperLeft[1]{%
8522     \begingroup
8523       \ESO@tempdima=1in\relax
8524       \if@twoside
8525         \ifodd\c@page
8526           \if@RTLmain
8527             \advance\ESO@tempdima\evensidemargin
8528           \else
8529             \advance\ESO@tempdima\oddsidemargin
8530           \fi
8531         \else
8532           \if@RTLmain
8533             \advance\ESO@tempdima\oddsidemargin
8534           \else
8535             \advance\ESO@tempdima\evensidemargin
8536           \fi
8537         \fi
8538       \else
8539         \advance\ESO@tempdima\oddsidemargin
8540       \fi
8541       \ESO@tempdimb=-1in\relax
8542       \advance\ESO@tempdimb-\topmargin
8543       \advance\ESO@tempdimb-\headheight
8544       \advance\ESO@tempdimb-\headsep
8545       \AtPageUpperLeft{%
8546         \put(\if@RTLmain-\textwidth-\fi\ESO@tempdima,\ESO@tempdimb){#1}%
8547       }%

```



```

8548 \endgroup
8549 }
8550 }

```

51 File empheq-xetex-bidi.def

```

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

```



```

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

```



```

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

```




```

8707     }\fi%
8708     \usebox\z@\textcolor{shadowcolor}{%
8709         \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8710     }{}%
8711 }
8712 \MHInternalSyntaxOff

```

52 File extarticle-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

8866 \vskip 2em%
8867 \begin{center}%
8868 \let \footnote \thanks
8869 {\LARGE \@title \par}%
8870 \vskip 1.5em%
8871 {\large
8872 \lineskip .5em%
8873 \begin{tabular}[t]{c}%
8874 \@author
8875 \end{tabular}\par}%
8876 \vskip 1em%
8877 {\large \@date}%
8878 \end{center}%
8879 \par
8880 \vskip 1.5em}
8881 \fi
8882 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
8883 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8884 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8885 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

53 File extbook-xetex-bidi.def

```

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

```



```

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

```



```

8971 \vskip 1.5em%
8972 {\large
8973 \lineskip .5em%
8974 \begin{tabular}[t]{c}%
8975 \author
8976 \end{tabular}\par}%
8977 \vskip 1em%
8978 {\large \@date}%
8979 \end{center}%
8980 \par
8981 \vskip 1.5em}
8982 \fi
8983 \renewcommand*\l@part[2]{%
8984 \ifnum \c@tocdepth >-2\relax
8985 \addpenalty{-\@highpenalty}%
8986 \addvspace{2.25em \@plus\p@}%
8987 \begingroup
8988 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8989 \parfillskip -\@pnumwidth
8990 {\leavevmode
8991 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8992 \nobreak
8993 \global\@nobreaktrue
8994 \everypar{\global\@nobreakfalse\everypar{}}%
8995 \endgroup
8996 \fi}
8997 \renewcommand\theequation
8998 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8999 \renewcommand \thefigure
9000 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9001 \renewcommand \thetable
9002 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9003 \renewcommand \thechapter {\@arabic\c@chapter}
9004 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9005 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9006 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
9007 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9008 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9009 \def\@makechapterhead#1{%
9010 \vspace*{50\p@}%
9011 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
9012 \ifnum \c@secnumdepth >\m@ne
9013 \if@mainmatter
9014 \huge\bfseries \@chapapp\space \thechapter
9015 \par\nobreak
9016 \vskip 20\p@
9017 \fi
9018 \fi
9019 \interlinepenalty\@M
9020 \Huge \bfseries #1\par\nobreak
9021 \vskip 40\p@
9022 }}
9023
9024 \def\@makeschapterhead#1{%

```



```

9025 \vspace*{50\p@}%
9026 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
9027 \normalfont
9028 \interlinepenalty\@M
9029 \Huge \bfseries #1\par\nobreak
9030 \vskip 40\p@
9031 }}
9032 \renewcommand\backmatter{%
9033 \if@openright
9034 \cleardoublepage
9035 \else
9036 \clearpage
9037 \fi
9038 \@mainmatterfalse}
9039 \renewenvironment{thebibliography}[1]
9040 {\chapter*{\bibname
9041 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
9042 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
9043 \bidi@thebibliography@font@hook%
9044 \list{\@biblabel{\@arabic\c@enumiv}}%
9045 {\settowidth\labelwidth{\@biblabel{#1}}%
9046 \leftmargin\labelwidth
9047 \advance\leftmargin\labelsep
9048 \@openbib@code
9049 \usecounter{enumiv}%
9050 \let\p@enumiv\@empty
9051 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
9052 \sloppy
9053 \clubpenalty4000
9054 \@clubpenalty \clubpenalty
9055 \widowpenalty4000%
9056 \sfcode`. \@m}
9057 {\def\@noitemerr
9058 {\@latex@warning{Empty `thebibliography' environment}}}%
9059 \endlist}

```

54 File extletter-xetex-bidi.def

```

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

```



```

9076 \noindent
9077 \ifx\@empty\fromaddress\else
9078 \hspace*{\longindentation}\fi
9079 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
9080 \ignorespaces #1\}[6\medskipamount]%
9081 \ifx\@empty\fromsig
9082 \fromname
9083 \else \fromsig \fi\strut}%
9084 \par}
9085 \renewcommand\left@footnoterule{%
9086 \kern-\p@
9087 \hrule \@width .4\columnwidth
9088 \kern .6\p@}
9089 \renewcommand\right@footnoterule{%
9090 \kern-\p@
9091 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9092 \kern .6\p@}

```

55 File extrafootnotefeatures-xetex-bidi.def

```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```




```

10423 \box0
10424 \penalty0}
10425 \newskip\m@mipn@skip
10426 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
10427 {\foottextfont\global\m@mipn@skip=#1\relax}}
10428 \m@minterparanoteglue{1em plus.4em minus.4em}
10429 \@ifpackageloaded{multicol}{%
10430 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10431 \hsize\textwidth%
10432 \setbox0=\hbox{}}%
10433 \loop
10434 \unpenalty
10435 \setbox2=\lastbox
10436 \ifhbox2
10437 \setbox0=\hbox{\box2\unhbox0}
10438 \repeat}
10439 }{%
10440 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10441 \setbox0=\hbox{}}%
10442 \loop
10443 \unpenalty
10444 \setbox2=\lastbox
10445 \ifhbox2
10446 \setbox0=\hbox{\box2\unhbox0}
10447 \repeat}}
10448 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10449 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10450 \newcommand*\AddExtraParaSkip[1]{%
10451 \if@bidi@csdef{footfudgefactor}{%
10452 \PackageError{bidi}{%
10453 The control sequence `string\AddExtraParaSkip`
10454 must be used before the control sequence
10455 `string\paragraphfootnotes' in the preamble%
10456 }\@ehc
10457 }{%
10458 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
10459 }%
10460 }
10461 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10462 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10463 \@bidi@before@Hy@hyperfootnotes
10464 \let\@footnotetext\@parafootnotetext
10465 \let\@LTRfootnotetext\@paraLTRfootnotetext
10466 \let\@RTLfootnotetext\@paraRTLfootnotetext
10467 \dimen\footinsv@r=\footinsdim
10468 \count\footinsv@r=1000\relax
10469 \m@make@para@footgroup{v@r}%
10470 \m@make@para@footstart{v@r}%
10471 \let\@footgroupv@r\@para@footgroupv@r
10472 \let\@footstartv@r\@para@footstartv@r
10473 \dimen\footinsv@l=\footinsdim
10474 \count\footinsv@l=1000\relax
10475 \bidi@make@para@LTRfootgroup{v@l}%
10476 \m@make@para@footstart{v@l}%

```



```

10477 \bidi@make@para@footstart@@{v@1}%
10478 \let\@LTRfootgroupv@1\@para@LTRfootgroupv@1
10479 \let\@footstartv@1\@para@footstartv@1
10480 \let\@@footstart@@v@1\@@para@footstart@@v@1
10481 \let\@mpfootnotetext\@mpparafootnotetext
10482 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10483 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10484 \@bidi@after@Hy@hyperfootnotes
10485 \m@make@mppara@footgroup{v@r}%
10486 \bidi@make@mppara@LTRfootgroup{v@1}%
10487 \let\mp@footgroupv@r\@mppara@footgroupv@r
10488 \let\mp@LTRfootgroupv@1\@mppara@LTRfootgroupv@1
10489 \begingroup
10490 \def\baselinestretch{\m@m@footnote@spacing}%
10491 \foottextfont
10492 \@tempdima\footnotesep
10493 \advance\@tempdima -\ht\strutbox
10494 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
10495 \advance\@tempdima.5\normalbaselineskip
10496 \bidi@xparaskip
10497 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10498 \ifdim\skip\footinsv@r>\bigskipamount
10499 \else
10500 \global\advance\skip\footinsv@r\bidi@paraskip
10501 \fi
10502 \ifdim\skip\footinsv@1>\bigskipamount
10503 \else
10504 \global\advance\skip\footinsv@1\bidi@paraskip
10505 \fi
10506 \@tempdima\normalbaselineskip
10507 \multiply \@tempdima \@cclvi
10508 \@tempdimb \columnwidth
10509 \divide \@tempdimb \@cclvi
10510 \divide \@tempdima \@tempdimb
10511 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10512 \endgroup
10513 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10514 }
10515 \newcommand{\normalRTLparaLTRfootnotes}{%
10516 \@namedef{foottextfontv@r}{\foottextfont}%
10517 \@bidi@before@Hy@hyperfootnotes
10518 \if@RTL@footnote
10519 \let\@footnotetext\m@mold@footnotetext
10520 \else
10521 \let\@footnotetext\@parafootnotetext
10522 \fi
10523 \let\@LTRfootnotetext\@paraLTRfootnotetext
10524 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
10525 \dimen\footinsv@r=\footinsdim
10526 \count\footinsv@r=1000\relax
10527 \m@make@para@footgroup{v@r}%
10528 \m@make@para@footstart{v@r}%
10529 \let\@footgroupv@r\@para@footgroupv@r
10530 \let\@footstartv@r\@para@footstartv@r

```



```

10531 \dimen\footinsv@l=\footinsdim
10532 \count\footinsv@l=1000\relax
10533 \bidi@make@para@LTRfootgroup{v@l}%
10534 \m@make@para@footstart{v@l}%
10535 \bidi@make@para@footstart@{v@l}%
10536 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10537 \let\@footstartv@l\@para@footstartv@l
10538 \let\@@footstart@v@l\@para@footstart@v@l
10539 \if@RTL@footnote
10540 \let\@mpfootnotetext\m@mold@mpfootnotetext
10541 \else
10542 \let\@mpfootnotetext\@mpparafootnotetext
10543 \fi
10544 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10545 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
10546 \@bidi@after@Hy@hyperfootnotes
10547 \m@make@mppara@footgroup{v@r}%
10548 \bidi@make@mppara@LTRfootgroup{v@l}%
10549 \let\mp@footgroupv@r\@mppara@footgroupv@r
10550 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10551 \begingroup
10552 \def\baselinestretch{\m@m@footnote@spacing}%
10553 \foottextfont
10554 \@tempdima\footnotesep
10555 \advance\@tempdima -\ht\strutbox
10556 \ifdim\@tempdima<z@ \@tempdima\z@ \fi
10557 \advance\@tempdima.5\normalbaselineskip
10558 \bidi@xparaskip
10559 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10560 \ifdim\skip\footinsv@r>\bigskipamount
10561 \else
10562 \global\advance\skip\footinsv@r\bidi@paraskip
10563 \fi
10564 \ifdim\skip\footinsv@l>\bigskipamount
10565 \else
10566 \global\advance\skip\footinsv@l\bidi@paraskip
10567 \fi
10568 \@tempdima\normalbaselineskip
10569 \multiply \@tempdima \ccclvi
10570 \@tempdimb \columnwidth
10571 \divide \@tempdimb \ccclvi
10572 \divide \@tempdima \@tempdimb
10573 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10574 \endgroup
10575 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10576 }
10577 \let\bidi@xparaskip\relax
10578 \onlypreamble\AddExtraParaSkip
10579 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
10580 \if@RTL@footnote
10581 \footinsv@r
10582 \else
10583 \footinsv@l
10584 \fi

```



```

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

```



```

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

```



```

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

```



```

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

```



```

10801 \m@m@makecolfloats
10802 \ifvoid\footins
10803   \global\@bidi@void@footinstrue
10804 \else
10805   \global\@bidi@void@footinsfalse
10806   \bidi@mopfootnotebf
10807 \fi
10808 \m@m@doextrafeet
10809 \m@m@makecoltext
10810 \global \maxdepth \@maxdepth}
10811 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10812 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10813 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10814 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10815 \FeetAboveFloat
10816 \FeetBelowRagged

```

56 File extreport-xetex-bidi.def

```

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

```




```

10852      \huge\bfseries \@chapapp\space \thechapter
10853      \par\nobreak
10854      \vskip 20\p@
10855      \fi
10856      \interlinepenalty\@M
10857      \Huge \bfseries #1\par\nobreak
10858      \vskip 40\p@
10859    }}
10860 \def\@makeschapterhead#1{%
10861   \vspace*{50\p@}%
10862   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10863    \normalfont
10864    \interlinepenalty\@M
10865    \Huge \bfseries #1\par\nobreak
10866    \vskip 40\p@
10867   }}
10868 \renewcommand\left@footnoterule{%
10869   \kern-3\p@
10870   \hrule\@width.4\columnwidth
10871   \kern2.6\p@}
10872 \renewcommand\right@footnoterule{%
10873   \kern-3\p@
10874   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10875   \kern2.6\p@}
10876 \renewenvironment{thebibliography}[1]
10877   {\chapter*{\bibname
10878    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10879    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10880    \bidi@thebibliography@font@hook%
10881    \list{\@biblabel{\@arabic\c@enumiv}}%
10882      {\settowidth\labelwidth{\@biblabel{#1}}%
10883       \leftmargin\labelwidth
10884       \advance\leftmargin\labelsep
10885       \@openbib@code
10886       \usecounter{enumiv}%
10887       \let\p@enumiv\@empty
10888       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10889   \sloppy\clubpenalty4000\widowpenalty4000%
10890   \sfcode\.\@m}
10891 {\def\@noitemerr
10892   {\@latex@warning{Empty `thebibliography' environment}}}%
10893   \endlist}
10894 \if@titlepage
10895 \renewcommand\maketitle{\begin{titlepage}%
10896 \let\footnotesize\small
10897 \let\right@footnoterule\relax
10898 \let\left@footnoterule\relax
10899 \let\textwidth\footnoterule\relax
10900 \let \footnote \thanks
10901 \null\vfil
10902 \vskip 60\p@
10903 \begin{center}%
10904   {\LARGE \@title \par}%
10905   \vskip 3em%

```



```

10906     {\large
10907       \lineskip .75em%
10908       \begin{tabular}[t]{c}%
10909         \@author
10910       \end{tabular}\par}%
10911       \vskip 1.5em%
10912     {\large \@date \par}%           % Set date in \large size.
10913 \end{center}\par
10914 \@thanks
10915 \vfil\null
10916 \end{titlepage}%
10917 \setcounter{footnote}{0}%
10918 \global\let\thanks\relax
10919 \global\let\maketitle\relax
10920 \global\let\@thanks\@empty
10921 \global\let\@author\@empty
10922 \global\let\@date\@empty
10923 \global\let\@title\@empty
10924 \global\let\title\relax
10925 \global\let\author\relax
10926 \global\let\date\relax
10927 \global\let\and\relax
10928 }
10929 \else
10930 \renewcommand\maketitle{\par
10931   \begingroup
10932     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10933     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10934     \long\def\@makefntext##1{\parindent 1em\noindent
10935       \hb@xt@1.8em{%
10936         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10937     \if@twocolumn
10938       \ifnum \col@number=\@ne
10939         \@maketitle
10940       \else
10941         \twocolumn[\@maketitle]%
10942       \fi
10943     \else
10944       \newpage
10945       \global\@topnum\z@   % Prevents figures from going at top of page.
10946       \@maketitle
10947     \fi
10948     \thispagestyle{plain}\@thanks
10949   \endgroup
10950   \setcounter{footnote}{0}%
10951   \global\let\thanks\relax
10952   \global\let\maketitle\relax
10953   \global\let\@maketitle\relax
10954   \global\let\@thanks\@empty
10955   \global\let\@author\@empty
10956   \global\let\@date\@empty
10957   \global\let\@title\@empty
10958   \global\let\title\relax
10959   \global\let\author\relax

```



```

10960 \global\let\date\relax
10961 \global\let\and\relax
10962 }
10963 \def\@maketitle{%
10964 \newpage
10965 \null
10966 \vskip 2em%
10967 \begin{center}%
10968 \let \footnote \thanks
10969 {\LARGE \@title \par}%
10970 \vskip 1.5em%
10971 {\large
10972 \lineskip .5em%
10973 \begin{tabular}[t]{c}%
10974 \@author
10975 \end{tabular}\par}%
10976 \vskip 1em%
10977 {\large \@date}%
10978 \end{center}%
10979 \par
10980 \vskip 1.5em}
10981 \fi
10982 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
10983 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10984 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10985 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10986 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10987 \renewcommand\theequation{%
10988 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10989 \renewcommand\thefigure{%
10990 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi \@arabic\c@figure}
10991 \renewcommand\thetable{%
10992 \ifnum \c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```

57 File fancybox-xetex-bidi.def

```

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

```



```

11011 \@circlefont
11012 \setbox\@tempboxa\hbox{\beginL%
11013   \if@ovr \@ovvert32\kern -\@tempdima \fi
11014   \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
11015   \if@ovt \@ovhorz \kern -\@ovxx \fi
11016   \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
11017 \advance\@ovdx\@ovro
11018 \advance\@ovdy\@ovro
11019 \advance\@ovxx\@wholewidth
11020 \wd\@tempboxa=\@ovxx
11021 \dp\@tempboxa=\z@}

```

58 File fancyhdr-xetex-bidi.def

```

11022 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
11023
11024 \let\f@nch@everypar\everypar
11025
11026 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
11027   \f@nch@vbox\headheight{\hbox
11028     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
11029     \parbox[b]{\headwidth}{\centering#3}\hfill
11030     \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
11031
11032 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
11033   \f@nch@vbox\footskip{\footrule
11034     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
11035     \parbox[t]{\headwidth}{\centering#3}\hfill
11036     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\footrule}}#5}
11037

```

59 File fix2col-xetex-bidi.def

```

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

```



```

11059 \hskip \columnwidth
11060 \hfil \vrule width\columnseprule \hfil
11061 \hbox to\columnwidth {%
11062 \bidi@firstcolumn@status@write%
11063 \box\@leftcolumn \hss}%
11064 \hskip -\textwidth
11065 \hbox to\columnwidth{%
11066 \bidi@lastcolumn@status@write%
11067 \box\@outputbox \hss}%
11068 \hskip \columnsep
11069 \hskip \columnwidth }}%
11070 \@combinedblfloats \@setmarks \@outputpage
11071 \begingroup \@dblfloatplacement \@startdblcolumn
11072 \@whiles\if@colmade \fi
11073 {\@outputpage \@startdblcolumn }\endgroup
11074 \fi}
11075 \def\LTR@outputdblcol{%
11076 \if@firstcolumn
11077 \global\@firstcolumnfalse
11078 \global\setbox\@leftcolumn\copy\@outputbox
11079 \splitmaxdepth\maxdimen
11080 \vbadness\maxdimen
11081 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11082 \toks@\expandafter{\topmark}%
11083 \xdef\@firstcoltopmark{\the\toks@}%
11084 \toks@\expandafter{\splitfirstmark}%
11085 \xdef\@firstcolfirstmark{\the\toks@}%
11086 \ifx\@firstcolfirstmark\@empty
11087 \global\let\@setmarks\relax
11088 \else
11089 \gdef\@setmarks{%
11090 \let\firstmark\@firstcolfirstmark
11091 \let\topmark\@firstcoltopmark}%
11092 \fi
11093 \else
11094 \global\@firstcolumntrue
11095 \setbox\@outputbox\vbox{%
11096 \hb@xt@\textwidth{%
11097 \hb@xt@\columnwidth{%
11098 \bidi@firstcolumn@status@write%
11099 \box\@leftcolumn \hss}%
11100 \hfil
11101 \vrule \@width\columnseprule
11102 \hfil
11103 \hb@xt@\columnwidth{%
11104 \bidi@lastcolumn@status@write%
11105 \box\@outputbox \hss}}}%
11106 \@combinedblfloats
11107 \@setmarks
11108 \@outputpage
11109 \begingroup
11110 \@dblfloatplacement
11111 \@startdblcolumn
11112 \@whiles\if@colmade \fi{\@outputpage\@startdblcolumn}%

```



```

11113 \endgroup
11114 \fi}

```

60 File fleqn-xetex-bidi.def

```

11115 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
11116 \renewcommand\[{ \relax
11117     \ifmmode \@badmath
11118     \else
11119         \begin{trivlist}%
11120             \@beginparpenalty\predisplaypenalty
11121             \@endparpenalty\postdisplaypenalty
11122             \item[]\leavevmode
11123             \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
11124                 \hskip\mathindent\bggroup
11125         \fi}
11126 \renewcommand\]{ \relax
11127     \ifmmode
11128         \egroup $\hfil% $
11129     \endL\egroup
11130     \end{trivlist}%
11131     \else \@badmath
11132     \fi}
11133 \renewenvironment{equation}%
11134     { \@beginparpenalty\predisplaypenalty
11135       \@endparpenalty\postdisplaypenalty
11136       \refstepcounter{equation}%
11137       \trivlist \item[]\leavevmode
11138         \hb@xt@\linewidth\bgroup\beginL $\m@th% $
11139         \displaystyle
11140         \hskip\mathindent}%
11141     { $\hfil % $
11142       \displaywidth\linewidth\hbox{\@eqnnum}%
11143       \endL\egroup
11144     \endtrivlist}

```

61 File float-xetex-bidi.def

```

11145 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX]
11146 \renewcommand\floatc@plain[2]{ \setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
11147 \ifdim\wd\@tempboxa>\hsize { \@fs@cfont #1:} #2\par
11148 \else\hbox to\hsize{ \if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
11149 \def\float@newx#1[#2]{ \@ifundefined{c@#1}{\newcounter{#1}[#2]%
11150   \expandafter\edef\csname the#1\endcsname{%
11151     \expandafter\noexpand\csname
11152       the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
11153   {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

62 File floatrow-xetex-bidi.def

```

11154 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package]
11155 \renewcommand\flnew@within[1]{ \@addtoreset{ \FB@cuptype}{#1}%
11156   \expandafter\edef\csname the\FB@cuptype\endcsname{%
11157     \expandafter\noexpand\csname

```



```
11158 the#1\endcsname\@SepMark\noexpand\arabic{\FB@captype}}}
```

63 File flowfram-xetex-bidi.def

```
11159 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package]
11160 \def\@outputdblcol{%
11161 \@nxtcol=\c@thisframe
11162 \c@curpg=\c@page
11163 \g@tnextcol{\@nxtcol}%
11164 \iff@ff@nwpg % next flow frame starts on new page
11165 \global\@firstcolumntrue
11166 \setcolbox\c@thisframe
11167 \iff@specialpage
11168 \global\@specialpagefalse
11169 \nameuse{ps@\@specialstyle}\relax
11170 \fi
11171 \iff@twoside
11172 \ifodd\count\z@
11173 \let\@thehead\@oddhead
11174 \let\@thefoot\@oddfoot
11175 \else
11176 \let\@thehead\@evenhead
11177 \let\@thefoot\@evenfoot
11178 \fi
11179 \else
11180 \let\@thehead\@oddhead
11181 \let\@thefoot\@oddfoot
11182 \fi
11183 \@begindvi
11184 \@dodynamicthehead\@dodynamicthefoot
11185 \vbadness=\@M
11186 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
11187 \@combinedblfloats
11188 \@outputpage
11189 \advance\c@curpg by -\c@page\relax
11190 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
11191 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
11192 \@outputpage}
11193 \begingroup
11194 \dblfloatplacement
11195 \startdblcolumn
11196 \whilesw \iffcolmade \fi
11197 {\@outputpage \startdblcolumn }\endgroup
11198 \@resetst@tics
11199 \@resetdyn@mics
11200 \else % still on same page, save contents of box255
11201 \global\@firstcolumnfalse
11202 \setcolbox\c@thisframe
11203 \fi
11204 \global\c@thisframe=\@nxtcol
11205 \@setcol{\c@thisframe}\relax
11206 \global\@colht\vsiz
11207 }
11208 \def\@outputpage{%
```



```

11209 \begingroup
11210 \let\protect\noexpand
11211 \@resetactivechars
11212 \global\let\@@if@newlist@if@newlist
11213 \global\@newlistfalse\@parboxrestore
11214 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
11215 \@bidi@beforeoutputpageshipouthook
11216 \shipout\vbox{\set@typeset@protect
11217 \aftergroup
11218 \endgroup
11219 \aftergroup
11220 \set@typeset@protect
11221 \reset@font\normalsize
11222 \bidi@font@@outputpage
11223 \normalsfcodes
11224 \let\label\@gobble
11225 \let\index\@gobble
11226 \let\glossary\@gobble
11227 \baselineskip\z@skip
11228 \lineskip\z@skip
11229 \lineskiplimit\z@
11230 \vskip\topmargin\moveright\@themargin
11231 \vbox{%
11232 \global\let\@bidi@BeforeHeader\@firstofone
11233 \@bidi@beforeheaderhook
11234 \vskip\headheight
11235 \vskip\headsep
11236 \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
11237 \@bidi@beforeoutputboxoutputpagehook
11238 \box\@outputbox
11239 \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
11240 \@bidi@afteroutputboxoutputpagehook
11241 }}%
11242 \global\let\@bidi@AfterOutputPageShipOut\@firstofone
11243 \@bidi@afteroutputpageshipouthook
11244 \global\let@if@newlist\@@if@newlist
11245 \stepcounter{page}%
11246 \setcounter{displayedframe}{0}%
11247 \let\firstmark\botmark
11248 \global\let\@bidi@AtEndOutputPage\@firstofone
11249 \@bidi@atendoutputpagehook
11250 }
11251
11252
11253 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}{%
11254 \expandafter\bidi@color\ff@txtcol}}
11255
11256 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
11257 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}%
11258
11259
11260 \renewcommand*\@docolbox}[1]{%
11261 \edef\ff@frametype{%
11262 \csname @ff@frametype@\romannumeral#1\endcsname}%

```




```

11263 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
11264 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
11265 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
11266 \@ff@setoffset{#1}%
11267 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
11268 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
11269 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
11270 {\csname colheight\romannumeral#1\endcsname}}{%
11271 \expandafter\box\csname column\romannumeral#1\endcsname}{%
11272 \csname\ff@frametype\endcsname}%
11273 }%
11274 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
11275 {\csname colheight\romannumeral#1\endcsname}}%
11276 \expandafter\box\csname column\romannumeral#1\endcsname}%
11277 }}}
11278 \@ifclassloaded{book}{%
11279 \renewcommand\theequation
11280 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11281 \renewcommand \thefigure
11282 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11283 \renewcommand \thetable
11284 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11285 \renewcommand \thechapter {\@arabic\c@chapter}
11286 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11287 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11288 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11289 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11290 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11291 \@ifclassloaded{report}{%
11292 \renewcommand\theequation
11293 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11294 \renewcommand \thefigure
11295 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11296 \renewcommand \thetable
11297 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11298 \renewcommand \thechapter {\@arabic\c@chapter}
11299 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11300 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11301 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11302 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11303 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11304 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
11305 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
11306 \else
11307 #2\relax
11308 \fi}

```

64 File footnote-xetex-bidi.def

```

11309 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11310 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11311 \newif\ifbidi@autofooterule
11312 \def\bidi@mpfootnoterule{\footnoterule}
11313 \newcounter{footdir@label}

```



```

11314 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
11315 \newcommand*{\footdir@write}{%
11316   \stepcounter{footdir@label}%
11317   \zref@labelbyprops{\thefootdir@label}{abspage}%
11318 }
11319 \newif\iffootdir@debug
11320 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11321 \newtoks\footdir@toks
11322 \newcommand*{\footdir@debug}[1]{%
11323   \iffootdir@debug
11324     \typeout{[footdir] #1}%
11325   \fi
11326 }
11327 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11328 %  \newcommand*{\footdir@LeftRightElse}{%
11329 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
11330 %      \footdir@debug{abspage \the\value{zabspage}: else}%
11331 %      \ltx@thirdofthree
11332 %    }{%
11333 %      \if\csname footdir@the\value{zabspage}\endcsname L%
11334 %        \footdir@debug{abspage \the\value{zabspage}: left}%
11335 %        \expandafter\ltx@firstofthree
11336 %      \else
11337 %        \footdir@debug{abspage \the\value{zabspage}: right}%
11338 %        \expandafter\ltx@secondofthree
11339 %      \fi
11340 %    }%
11341 %  }%
11342 %}{%
11343   \providecommand*{\c@zabspage}{\c@abspage}%
11344   \newcommand*{\footdir@LeftRightElse}{%
11345     \footdir@write
11346     \zifrefundefined{\thefootdir@label}{%
11347       \footdir@debug{abspage ??: else}%
11348       \ltx@thirdofthree
11349     }{%
11350       \edef\footdir@abspage{%
11351         \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11352       }%
11353       \ltx@ifundefined{footdir@\footdir@abspage}{%
11354         \footdir@debug{\footdir@abspage: else}%
11355         \ltx@thirdofthree
11356       }{%
11357         \if\csname footdir@\footdir@abspage\endcsname L%
11358           \footdir@debug{\footdir@abspage: left}%
11359           \expandafter\ltx@firstofthree
11360         \else
11361           \footdir@debug{\footdir@abspage: right}%
11362           \expandafter\ltx@secondofthree
11363         \fi
11364       }%
11365     }%
11366   }%
11367 %}

```



```

11368 \newcommand*{\footdir@fntext}[1]{%
11369   \zifrefundefined{\thefootdir@label}{%
11370   }{%
11371     \edef\footdir@name{%
11372       footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11373     }%
11374     \@ifundefined{\footdir@name}{%
11375       \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11376     }{}%
11377   }%
11378 }
11379
11380 \newcommand*{\footdir@temp}[3]{%
11381   \@ifdefinable{#1}{%
11382     \let#1#2%
11383     \renewcommand{#2}[1]{%
11384       \footdir@write
11385       \footdir@fntext{#3}%
11386       \stepcounter{footdir@label}%
11387       \footdir@fntext{#3}%
11388       \footdir@toks{##1}%
11389       \footdir@toks\expandafter{%
11390         \the\expandafter\footdir@toks
11391         \expandafter
11392         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
11393       }%
11394       \expandafter#1\expandafter{\the\footdir@toks}%
11395     }%
11396   }%
11397 }
11398
11399 \def\right@footnoterule{%
11400   \kern-3\p@
11401   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11402   \kern2.6\p@}
11403 \def\left@footnoterule{\kern-3\p@
11404   \hrule \@width .4\columnwidth \kern 2.6\p@}
11405 \def\textwidth@footnoterule{\kern-3\p@
11406   \hrule \@width \columnwidth \kern 2.6\p@}
11407 \def\leftfootnoterule{%
11408   \bidi@autofootnoterulefalse%
11409   \def\footnoterule{\left@footnoterule}}
11410 \let\LRfootnoterule=\leftfootnoterule
11411 \def\rightfootnoterule{%
11412   \bidi@autofootnoterulefalse%
11413   \def\footnoterule{\right@footnoterule}}
11414 \def\textwidthfootnoterule{%
11415   \bidi@autofootnoterulefalse%
11416   \def\footnoterule{\textwidth@footnoterule}}
11417
11418
11419
11420 \def\auto@footnoterule{%
11421   \footdir@LeftRightElse%

```



```

11422 \left@footnoterule%
11423 \right@footnoterule%
11424 \left@footnoterule%
11425 }
11426
11427
11428
11429 \def\autofootnoterule{%
11430 \bidi@autofootnoteruletrue%
11431 \def\footnoterule{\auto@footnoterule}%
11432 }
11433
11434 \newcommand*\SplitFootnoteRule{%
11435 \gdef\split@prev{0}
11436 \let\pagefootnoterule\footnoterule
11437 \let\mpfootnoterule\footnoterule
11438 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11439 \def\footnoterule{\relax
11440 \ifx \@listdepth\@mplistdepth
11441 \mpfootnoterule
11442 \else
11443 \ifnum\split@prev=\z@
11444 \pagefootnoterule
11445 \else
11446 \splitfootnoterule
11447 \fi
11448 \xdef\split@prev{\the\insertpenalties}%
11449 \fi
11450 }%
11451 }
11452
11453
11454
11455
11456 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11457 \protected@xdef\@thefnmark{\thempfn}%
11458 \@footnotemark\@RTLfootnotetext}}
11459 \def\@xRTLfootnote[#1]{%
11460 \begingroup
11461 \csname c@\@mpfn\endcsname #1\relax
11462 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11463 \endgroup
11464 \@footnotemark\@RTLfootnotetext}
11465 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11466 \protected@xdef\@thefnmark{\thempfn}%
11467 \@footnotemark\@LTRfootnotetext}}
11468 \def\@xLTRfootnote[#1]{%
11469 \begingroup
11470 \csname c@\@mpfn\endcsname #1\relax
11471 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11472 \endgroup
11473 \@footnotemark\@LTRfootnotetext}
11474
11475

```



```

11476 \def\setfootnoteRL{\@RTLfootnotetrue}
11477 \def\unsetfootnoteRL{\@RTLfootnotefalse}
11478 \def\setfootnoteLR{\unsetfootnoteRL}
11479
11480 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
11481 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11482 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11483
11484 \long\def\@footnotetext#1{\insert\footins{%
11485   \if@RTLfootnote\@RTLtrue\else\@RTLfalse\fi%
11486   \reset@font%
11487   \bidi@footnotetext@font% \reset@font\footnotesize
11488   \interlinepenalty\interfootnotelinepenalty
11489   \splittopskip\footnotesep
11490   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11491   \hsize\columnwidth \@parboxrestore
11492   \protected@edef\@currentlabel{%
11493     \csname p@footnote\endcsname\@thefnmark
11494   }%
11495   \color@begingroup
11496     \makefnintext{%
11497       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11498     \color@endgroup}}%
11499
11500
11501 \long\def\@RTLfootnotetext#1{\insert\footins{%
11502   \@RTLtrue%
11503   \reset@font%
11504   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11505   \interlinepenalty\interfootnotelinepenalty
11506   \splittopskip\footnotesep
11507   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11508   \hsize\columnwidth \@parboxrestore
11509   \protected@edef\@currentlabel{%
11510     \csname p@footnote\endcsname\@thefnmark
11511   }%
11512   \color@begingroup
11513     \makefnintext{%
11514       \rule{z@footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11515     \color@endgroup}}%
11516
11517 \long\def\@LTRfootnotetext#1{\insert\footins{%
11518   \@RTLfalse%
11519   \reset@font%
11520   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11521   \interlinepenalty\interfootnotelinepenalty
11522   \splittopskip\footnotesep
11523   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11524   \hsize\columnwidth \@parboxrestore
11525   \protected@edef\@currentlabel{%
11526     \csname p@footnote\endcsname\@thefnmark
11527   }%
11528   \color@begingroup
11529     \makefnintext{%

```



```

11530      \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11531      \color@endgroup}}%
11532
11533 \AtBeginDocument{%
11534 \if@RTL@footnote
11535   \newcommand*{\bidi@footdir@footnote}{R}
11536 \else
11537   \newcommand*{\bidi@footdir@footnote}{L}
11538 \fi%
11539 }
11540
11541 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11542 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11543 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11544
11545 \long\def\@mpRTLfootnotetext#1{%
11546   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footno
11547   \global\setbox\@mpfootins\vbox{\@RTLtrue%
11548     \unvbox\@mpfootins
11549     \reset@font%
11550     \bidi@@RTLfootnotetext@font% \reset@font\footnotesize
11551     \hsize\columnwidth
11552     \@parboxrestore
11553     \protected@edef\@currentlabel
11554       {\csname p@mpfootnote\endcsname\@thefnmark}%
11555     \color@begingroup
11556     \@makefntext{%
11557       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11558     \color@endgroup}}
11559 \long\def\@mpLTRfootnotetext#1{%
11560   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footno
11561   \global\setbox\@mpfootins\vbox{\@RTLfalse%
11562     \unvbox\@mpfootins
11563     \reset@font%
11564     \bidi@@LTRfootnotetext@font% \reset@font\footnotesize
11565     \hsize\columnwidth
11566     \@parboxrestore
11567     \protected@edef\@currentlabel
11568       {\csname p@mpfootnote\endcsname\@thefnmark}%
11569     \color@begingroup
11570     \@makefntext{%
11571       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11572     \color@endgroup}}
11573 \long\def\@mpfootnotetext#1{%
11574   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnote
11575   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11576     \unvbox\@mpfootins
11577     \reset@font%
11578     \bidi@@footnotetext@font% \reset@font\footnotesize
11579     \hsize\columnwidth
11580     \@parboxrestore
11581     \protected@edef\@currentlabel
11582       {\csname p@mpfootnote\endcsname\@thefnmark}%
11583     \color@begingroup

```



```

11584      \@makefntext{%
11585          \rule{z@{\footnotesep}\ignorespaces#1\@finalstrut\strutbox}%
11586          \color@endgroup}}
11587 \def\@iiiminipage#1#2[#3]#4{%
11588     \leavevmode
11589     \@pboxswfalse
11590     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11591     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi
11592     \setlength\@tempdima{#4}%
11593     \def\@mpargs{{#1}{#2}[#3]{#4}}%
11594     \setbox\@tempboxa\vbox\bgroup
11595         \color@begingroup
11596         \hsize\@tempdima
11597         \textwidth\hsize \columnwidth\hsize
11598         \@parboxrestore
11599         \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11600         \let\@footnotetext\@mpfootnotetext
11601         \let\@LTRfootnotetext\@mpLTRfootnotetext
11602         \let\@RTLfootnotetext\@mpRTLfootnotetext
11603         \let\@listdepth\@mplistdepth \@mplistdepth\z@
11604         \@minipagerestore
11605         \@setminipage}
11606 \def\endminipage{%
11607     \par
11608     \unskip
11609     \ifvoid\@mpfootins\else
11610         \vskip\skip\@mpfootins
11611         \normalcolor
11612         \bidi@mpfootnoterule
11613         \unvbox\@mpfootins
11614     \fi
11615     \@minipagefalse %% added 24 May 89
11616     \color@endgroup
11617     \egroup
11618     \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11619 \def\LTRthanks#1{\footnotemark
11620     \protected@xdef\@thanks{\@thanks
11621         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11622 }
11623 \def\LTRfootnotetext{%
11624     \@ifnextchar [\@xLTRfootnotenext
11625     {\protected@xdef\@thefnmark{\thempfn}%
11626     \@LTRfootnotetext}}
11627 \def\@xLTRfootnotenext[#1]{%
11628     \begingroup
11629     \csname c@\@mpfn\endcsname #1\relax
11630     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11631     \endgroup
11632     \@LTRfootnotetext}
11633 \def\RTLthanks#1{\footnotemark
11634     \protected@xdef\@thanks{\@thanks
11635         \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11636 }
11637 \let\@thanks\@empty

```



```

11638 \def\RTLfootnotetext{%
11639     \@ifnextchar [\@xRTLfootnotenext
11640         {\protected@xdef\@thefnmark{\thempfn}%
11641         \@RTLfootnotetext}}
11642 \def\@xRTLfootnotenext[#1]{%
11643     \begingroup
11644         \csname c@\@mpfn\endcsname #1\relax
11645         \unrestored@protected@xdef\@thefnmark{\thempfn}%
11646     \endgroup
11647     \@RTLfootnotetext}
11648 \leftfootnoterule

```

65 File footnotebackref-xetex-bidi.def

```

11649 \ProvidesFile{footnotebackref-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for footnoteb
11650 \LetLtxMacro{\BHFN@OldLTRFootnote}{\LTRfootnote}
11651 \LetLtxMacro{\BHFN@OldRTLFootnote}{\RTLfootnote}
11652
11653 \renewcommand*\LTRfootnote{%
11654     \refstepcounter{BackrefHyperFootnoteCounter}%
11655     \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
11656     \label{\BackrefFootnoteTag}%
11657     \@ifnextchar [\Backref@OptLTRHyperFootnote\Backref@HyperLTRFootnote}
11658
11659 \renewcommand*\RTLfootnote{%
11660     \refstepcounter{BackrefHyperFootnoteCounter}%
11661     \edef\BackrefFootnoteTag{bhfn:\theBackrefHyperFootnoteCounter}%
11662     \label{\BackrefFootnoteTag}%
11663     \@ifnextchar [\Backref@OptRTLHyperFootnote\Backref@HyperRTLFootnote}
11664 \newcommand\Backref@HyperLTRFootnote[1]{%
11665     \BHFN@OldLTRFootnote{\Backref@HyperSymbol#1}}
11666
11667 \newcommand\Backref@HyperRTLFootnote[1]{%
11668     \BHFN@OldRTLFootnote{\Backref@HyperSymbol#1}}
11669
11670 \newcommand\Backref@OptHyperLTRFootnote[2][\empty]{%
11671     \BHFN@OldLTRFootnote[#1]{\Backref@HyperSymbol#2}}
11672
11673 \newcommand\Backref@OptHyperRTLFootnote[2][\empty]{%
11674     \BHFN@OldRTLFootnote[#1]{\Backref@HyperSymbol#2}}
11675
11676 \bidi\AfterFile{extrafootnotefeatures-xetex-bidi.def}{%
11677 \ifFootnoteBackref@numberlinked
11678 \renewcommand{\footfootmark}{%
11679     \ifdim\footmarkwidth < \z@
11680         \llap{\hb@xt@ -\footmarkwidth{%
11681             \hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11682             \hspace*{ -\footmarkwidth}}}%
11683     \else
11684         \ifdim\footmarkwidth = \z@
11685             {\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11686         \else
11687             \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\hyperref[\BackrefFootnoteTag]{\@thef
11688         \fi

```




```

11689 \fi}
11690 \renewcommand{\LTRfootfootmark}{%
11691 \ifdim\footmarkwidth < \z@
11692 \llap{\hb@xt@ -\footmarkwidth{%
11693 \hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11694 \hspace*{-\footmarkwidth}}}%
11695 \else
11696 \ifdim\footmarkwidth = \z@
11697 {\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11698 \else
11699 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11700 \fi
11701 \fi}
11702 \renewcommand{\RTLfootfootmark}{%
11703 \ifdim\footmarkwidth < \z@
11704 \llap{\hb@xt@ -\footmarkwidth{%
11705 \hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11706 \hspace*{-\footmarkwidth}}}%
11707 \else
11708 \ifdim\footmarkwidth = \z@
11709 {\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11710 \else
11711 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\hyperref[\BackrefFootnoteTag]{\@thefnmark}}}%
11712 \fi
11713 \fi}
11714 \fi
11715 }

```

66 File framed-xetex-bidi.def

```

11716 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for xetex]
11717 \renewcommand\TitleBarFrame[3] [] {\begingroup
11718 \ifx\delimiter#1\delimiter
11719 \let\TF@conlab\@empty
11720 \else
11721 \def\TF@conlab{% continuation label
11722 \nointerlineskip
11723 \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
11724 \fi
11725 %\let\TF@savecolor\current@color
11726 \textcolor{TFFrameColor}{%
11727 \CustomFBox
11728 {\TF@Title{#2}}{\TF@conlab}%
11729 \fboxrule\fboxrule\fboxrule\fboxrule
11730 %{\let\current@color\TF@savecolor\set@color #3}%
11731 {\normalcolor #3}%
11732 }\endgroup
11733 }
11734 \renewenvironment{titled-frame}[1]{%
11735 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
11736 \TitleBarFrame{\textbf{#1}}}%
11737 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
11738 \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi}]{\textbf{#1}}}%
11739 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt

```



```

11740 \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1} (con
11741 \def\LastFrameCommand{\fbxsep8pt\fbxrule2pt
11742 \TitleBarFrame{\textbf{#1} (cont)}}}%
11743 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11744 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11745 % could interfere with the width measurement.
11746 {\endMakeFramed}
11747 \chardef\FrameRestore=\catcode`\| % for debug
11748 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
11749 \def\fb@put@frame#1#2{\relax
11750 \ifdim\pagegoal=\maxdimen \pagegoal\vsizelimit \fi
11751 | \message{===== Entering putframe =====^~J
11752 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
11753 \ifinner
11754 \fb@putboxa#1%
11755 \fb@afterframe
11756 \else
11757 \dimen@=\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11758 \ifdim\dimen@<2\baselineskip % Too little room on page
11759 | \message{Page has only \the\dimen@space room left; eject.}%
11760 \eject \fb@adjheight \fb@put@frame#1#2%
11761 \else % there's appreciable room left on the page
11762 \fb@sizeofframe#1%
11763 | \message{\string\pagetotal=\the\pagetotal,
11764 | \string\pagegoal=\the\pagegoal,
11765 | \string\pagestretch=\the\pagestretch,
11766 | \string\pageshrink=\the\pageshrink,
11767 | \string\fb@frh=\the\fb@frh. \space}
11768 | \message{^^JBox of size \the\ht@tempboxa\space}%
11769 \begingroup % temporarily set \dimen@ to be...
11770 \advance\dimen@.8\pageshrink % maximum space available on page
11771 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11772 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11773 \expandafter\endgroup
11774 % expand \ifdim, then restore \dimen@ to real room left on page
11775 \ifdim\dimen@>\ht@tempboxa % whole box does fit
11776 | \message{fits in \the\dimen@.}%
11777 % ToDo: Change this to use vsplit anyway to capture the marks
11778 % MERGE THIS WITH THE else CLAUSE!!!
11779 \fb@putboxa#1%
11780 \fb@afterframe
11781 \else % box must be split
11782 | \message{must be split to fit in \the\dimen@.}%
11783 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11784 \fb@sizeofframe#2%
11785 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11786 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11787 \kern137sp\kern-137sp\penalty-30
11788 \unvbox\@tempboxa}%
11789 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11790 \splittopskip\the\splittopskip}%
11791 \boxmaxdepth\z@ \splittopskip\z@
11792 | \message{^^JPadded box of size \the\ht@tempboxa\space split to \the\dimen@}%
11793 % Split box here

```



```

11794 \setbox\tw@\vsplit\@tempboxa to\dimen@
11795 | \toks99\expandafter{\splitfirstmark}%
11796 | \toks98\expandafter{\splitbotmark}%
11797 | \message{Marks are: \the\toks99, \the\toks98. }%
11798 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11799 | \message{Natural height of split box is \the\ht\tw@, leaving
11800 | \the\ht\@tempboxa\space remainder. }%
11801 % If the split-to size > (\vsize-\topskip), then set box to full size.
11802 \begingroup
11803 \advance\dimen@\topskip
11804 \expandafter\endgroup
11805 \ifdim\dimen@>\pagegoal
11806 | \message{Frame is big -- Use up the full column. }%
11807 \dimen@ii\pagegoal
11808 \advance\dimen@ii -\topskip
11809 \advance\dimen@ii \FrameHeightAdjust\relax
11810 \else % suspect this is implemented incorrectly:
11811 % If the split-to size > feasible room_on_page, rebox it smaller.
11812 \advance\dimen@.8\pageshrink
11813 \ifdim\ht\tw@>\dimen@
11814 | \message{Box too tall; rebox it to \the\dimen@. }%
11815 \dimen@ii\dimen@
11816 \else % use natural size
11817 \dimen@ii\ht\tw@
11818 \fi
11819 \fi
11820 % Re-box contents to desired size \dimen@ii
11821 \advance\dimen@ii -\fb@frh
11822 \setbox\tw@\vbox to\dimen@ii \bgroup
11823 % remove simulated frame and page flexibility:
11824 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11825 \unvbox\tw@ \unpenalty\unpenalty
11826 \ifdim\lastkern=-137sp % whole box went to next page
11827 | \message{box split at beginning! }%
11828 % need work here???
11829 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11830 \fb@adjheight
11831 \fb@put@frame#1#2% INSERTED ???
11832 \else % Got material split off at the head
11833 \egroup \fb@resto@set
11834 \ifvoid\@tempboxa % it all fit after all
11835 | \message{box split at end! }%
11836 \setbox\@tempboxa\box\tw@
11837 \fb@putboxa#1%
11838 \fb@afterframe
11839 \else % it really did split
11840 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11841 \ifdim\wd\tw@>\z@
11842 \wd\tw@\wd\@tempboxa
11843 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11844 \else
11845 | \message{Zero width means likely blank. Don't frame it (guess)}%
11846 \box\tw@
11847 \fi

```



```

11848         \hrule \@height\z@ \@width\hsize
11849         \eject
11850         \fb@adjheight
11851         \fb@put@frame\LastFrameCommand\MidFrameCommand
11852     \fi\fi\fi\fi\fi
11853 }
11854 \def\fb@putboxa#1{%
11855     \ifvoid\@tempboxa
11856         \PackageWarning{framed}{Boxa is void -- discard it. }%
11857     \else
11858         \message{Frame and place boxa. }%
11859         %{\showoutput\showbox\@tempboxa}%
11860         \centerline{#1{\hboxL{\box\@tempboxa}}}%
11861     \fi
11862 }
11863 \catcode`\|=\FrameRestore
11864 \def\FrameRestore{%
11865     \let\if@nobreak\iffalse
11866     \let\if@noskipsec\iffalse
11867     \let\-\@dischph
11868     \let'\@acci\let'\@accii\let=\@acciii
11869     % \message{FrameRestore:
11870     %     \@totalleftmargin=\the \@totalleftmargin,
11871     %     \rightmargin=\the\rightmargin,
11872     %     \@listdepth=\the\@listdepth. }%
11873     % Test if we are in a list (or list-like paragraph)
11874     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11875         \ifdim\rightmargin>\z@ 1\fi
11876         \ifnum\@listdepth>\z@ 1\fi 0>\z@
11877         % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11878         %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11879         %     \labelwidth=\the\labelwidth. }%
11880         \@setminipage % snug fit around the item
11881         % Now try to propagate changes of width from \hsize to list parameters.
11882         % This is deficient, but a more advanced way to indicate modification to text
11883         % dimensions is not (yet) provided; in particular, no separate left/right
11884         % adjustment.
11885         \advance\linewidth-\columnwidth \advance\linewidth\hsize
11886         \parshape\@ne \@totalleftmargin \linewidth
11887     \else % Not in list
11888         \linewidth=\hsize
11889         %\message{No list, set \string\linewidth=\the\hsize. }%
11890     \fi
11891     \sloppy
11892 }

```

67 File `ftnright-xetex-bidi.def`

```

11893 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
11894
11895 \def\prepare@bidi@copyins{%
11896     \global\bidircol@copyinsskip\skip\@bidi@copyins@
11897     \global\skip\@bidi@copyins@\z@
11898     \global\count\@bidi@copyins@\z@

```



```

11899 \global\dimen\@bidi@copyins@\textheight}
11900
11901 \newskip\bidircol@copyinsskip
11902
11903 \def\LTR@outputdblcol{%
11904   \if@firstcolumn
11905     \global\@firstcolumnfalse
11906     \global\setbox\@leftcolumn\copy\@outputbox
11907     \global\count\footins\@m
11908     \global\skip\footins\rcol@footinsskip
11909     \global\count\@bidi@copyins@\@m
11910     \global\skip\@bidi@copyins@\bidircol@copyinsskip
11911     \splitmaxdepth\maxdimen
11912     \vbadness\maxdimen
11913     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11914     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11915     \toks@\expandafter{\topmark}%
11916     \xdef\@firstcoltopmark{\the\toks@}%
11917     \toks@\expandafter{\splitfirstmark}%
11918     \xdef\@firstcolfirstmark{\the\toks@}%
11919     \ifx\@firstcolfirstmark\@empty
11920       \global\let\@setmarks\relax
11921     \else
11922       \gdef\@setmarks{%
11923         \let\firstmark\@firstcolfirstmark
11924         \let\topmark\@firstcoltopmark}%
11925     \fi
11926   \else
11927     \preparefootins
11928     \prepare@bidi@copyins
11929     \global\@firstcolumntrue
11930     \setbox\@outputbox\vbox{%
11931       \hb@xt@\textwidth{%
11932         \hb@xt@\columnwidth{%
11933           \bidi@firstcolumn@status@write%
11934           \box\@leftcolumn \hss}%
11935         \hfil
11936         {\normalcolor\vrule \@width\columnseprule}%
11937         \hfil
11938         \hb@xt@\columnwidth{%
11939           \bidi@lastcolumn@status@write%
11940           \box\@outputbox \hss}}}%
11941     \@combinedblfloats
11942     \@setmarks
11943     \@outputpage
11944     \begingroup
11945       \@dblfloatplacement
11946       \@startdblcolumn
11947       \@whilesw\if@colmade \fi{\@outputpage
11948         \@startdblcolumn}%
11949     \endgroup
11950   \fi}%
11951
11952 \def\RTL@outputdblcol{%

```



```

11953 \if@firstcolumn
11954   \global\@firstcolumnfalse
11955   \global\setbox\@leftcolumn\copy\@outputbox
11956   \global\count\footins\@m
11957   \global\skip\footins\rcol\footinsskip
11958   \global\count\@bidi@copyins@\@m
11959   \global\skip\@bidi@copyins@\bidi@rcol\copyinsskip
11960   \splitmaxdepth\maxdimen
11961   \vbadness\maxdimen
11962   \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11963   \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11964   \toks@\expandafter{\topmark}%
11965   \xdef\@firstcoltopmark{\the\toks@}%
11966   \toks@\expandafter{\splitfirstmark}%
11967   \xdef\@firstcolfirstmark{\the\toks@}%
11968   \ifx\@firstcolfirstmark\@empty
11969     \global\let\@setmarks\relax
11970   \else
11971     \gdef\@setmarks{%
11972       \let\firstmark\@firstcolfirstmark
11973       \let\topmark\@firstcoltopmark}%
11974   \fi
11975 \else
11976   \preparefootins
11977   \prepare@bidi@copyins
11978   \global\@firstcolumntrue
11979   \setbox\@outputbox\vbox{%
11980     \hb@xt@\textwidth{%
11981       \hskip \columnwidth
11982       \hfil
11983       {\normalcolor\vrule \@width\columnseprule}%
11984       \hfil
11985       \hb@xt@\columnwidth{%
11986         \bidi@firstcolumn@status@write%
11987         \box\@leftcolumn \hss}%
11988       \hskip -\textwidth
11989       \hb@xt@\columnwidth{%
11990         \bidi@lastcolumn@status@write%
11991         \box\@outputbox \hss}%
11992       \hskip \columnsep
11993       \hskip \columnwidth }}%
11994   \@combinedblfloats
11995   \@setmarks
11996   \@outputpage
11997   \begingroup
11998     \@dblfloatplacement
11999     \@startdblcolumn
12000     \@whiles\if@fcolmade \fi{\@outputpage
12001       \@startdblcolumn}%
12002   \endgroup
12003 \fi}%
12004
12005 \def\@startcolumn{%
12006 \ifx\@deferlist\@empty

```



```

12007 \global\@fcolmadefalse
12008 \global\@colroom\@colht
12009 \else
12010 \ifvoid\footins\else
12011 \ftn@amount\ht\footins
12012 \advance\ftn@amount\dp\footins
12013 \advance\ftn@amount\skip\footins
12014 \fi
12015 \ifvoid\@bidi@copyins@\else
12016 \bidi@copyins@amount\ht\@bidi@copyins@
12017 \advance\bidi@copyins@amount\dp\@bidi@copyins@
12018 \advance\bidi@copyins@amount\skip\@bidi@copyins@
12019 \fi
12020 \global\advance\@colht-\ftn@amount
12021 \global\advance\@colht-\bidi@copyins@amount
12022 \global\@colroom\@colht
12023 \xstartcol
12024 \global\advance\@colht\ftn@amount
12025 \global\advance\@colroom\ftn@amount
12026 \global\advance\@colht\bidi@copyins@amount
12027 \global\advance\@colroom\bidi@copyins@amount
12028 \fi
12029 \if@fcolmade
12030 \setbox\@cclv\box\@outputbox
12031 \makecol
12032 \else
12033 \ifvoid\footins\else
12034 \insert\footins{\unvbox\footins}\fi
12035 \ifvoid\@bidi@copyins@\else
12036 \insert\@bidi@copyins@{\unvbox\@bidi@copyins@}\fi
12037 \fi}
12038
12039 \newdimen\bidi@copyins@amount
12040
12041 \def\@makecol{\if@firstcolumn
12042 \setbox\@outputbox\box\@cclv
12043 \if@twocolumn \else
12044 \ifvoid\footins \else
12045 \latexerr{ftnright package
12046 used in one-column mode}%
12047 {The ftnright package was designed to
12048 work with LaTeX's standard^^Jtwocolumn
12049 option. It does *not* work with the
12050 multicol package.^^JSo please specify
12051 `twocolumn' in the
12052 \noexpand\documentclass command.}%
12053 \shipout\box\footins \fi
12054 \ifvoid\@bidi@copyins@ \else
12055 \latexerr{ftnright package
12056 used in one-column mode}%
12057 {The ftnright package was designed to
12058 work with LaTeX's standard^^Jtwocolumn
12059 option. It does *not* work with the
12060 multicol package.^^JSo please specify

```



```

12061     `twocolumn' in the
12062     \noexpand\documentclass command.}%
12063     \shipout\box\@bidi@copyins@ \fi\fi
12064 \ifnum\insertpenalties>\z@
12065     \@latexerr{ftnright package
12066         scrambled footnotes}%
12067 {There is too much footnote material in
12068 the first column and ftnright^^Jis
12069 unable to cope with this.^^JYou need
12070 to reduce the amount to get a properly
12071 formatted page.}%
12072 \fi
12073 \else
12074 \ifvoid\footins
12075     \ifvoid\@bidi@copyins@
12076     \setbox\@outputbox\box\@cclv
12077     \else
12078     \setbox\@outputbox\vbox
12079     {\ifvoid\@cclv \else
12080     \unvbox\@cclv
12081     \vskip \skip\@bidi@copyins@
12082     \fi
12083     \color@begingroup
12084     \normalcolor
12085     \unvbox \@bidi@copyins@
12086     \color@endgroup}%
12087 \fi
12088 \else
12089     \setbox\@outputbox\vbox
12090     {\ifvoid\@cclv \else
12091     \unvbox\@cclv
12092     \vskip\skip\footins\fi
12093     \color@begingroup
12094     \normalcolor
12095     \footnoterule\unvbox\footins
12096     \color@endgroup
12097     \ifvoid\@bidi@copyins@
12098     \else
12099     \vskip \skip\@bidi@copyins@
12100     \color@begingroup
12101     \normalcolor
12102     \unvbox \@bidi@copyins@
12103     \color@endgroup
12104     \fi
12105     }%
12106 \fi
12107 \fi
12108 \xdef\@freelist{\@freelist\@midlist}%
12109 \global \let \@midlist \@empty
12110 \@combinefloats
12111 \ifvbox\@kludgeins
12112     \@makespecialcolbox
12113 \else
12114     \setbox\@outputbox\vbox to\@colht

```




```

12115      {\boxmaxdepth\maxdepth
12116       \@texttop
12117       \@tempdima\dp\@outputbox
12118       \unvbox\@outputbox
12119       \vskip-\@tempdima
12120       \@textbottom}%
12121   \fi
12122   \global\maxdepth\@maxdepth}
12123
12124 \let\leftfootnoterule\@empty
12125 \let\rightfootnoterule\@empty
12126 \let\textwidthfootnoterule\@empty
12127 \let\autofootnoterule\@empty
12128 \let\footnoterule\@empty
12129 \long\def\@makefntext#1{\parindent 1em
12130   \noindent\hbox to 2em{}}%
12131   \llap{\@thefnmark\hbox{.},\,}\,}#1}
12132
12133 \setlength{\skip\@bidi@copyins@}
12134           {10pt plus 5pt minus 3pt}
12135 \AtBeginDocument{\prepare@bidi@copyins}

```

68 File graphicx-xetex-bidi.def

```

12136 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
12137 \def\Grot@box@std#1#2{\ifmmode\else\ifRTL\beginL\fi\fi%
12138   \Grot@setangle{#1}%
12139   \setbox\z@\hbox{\ifmmode\ifRTL\beginR\fi#2\ifRTL\endR\fi\else\ifRTL\beginR\fi#2\ifRTL\endR\fi}%
12140   \Grot@x\z@
12141   \Grot@y\z@
12142   \Grot@box\ifmmode\else\ifRTL\endL\fi\fi}
12143 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\ifRTL\beginL\fi\fi%
12144   \@begin@tempboxa\hbox{\ifmmode\ifRTL\beginR\fi#3\ifRTL\endR\fi\else\ifRTL\beginR\fi#3\ifRTL\endR\fi}%
12145   \Grot@x\width \divide\Grot@x\tw@
12146   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
12147   \setkeys{Grot}{#1}%
12148   \setbox\z@\box\@tempboxa
12149   \Grot@setangle{#2}%
12150   \Grot@box\ifmmode\else\ifRTL\endL\fi\fi
12151   \@end@tempboxa}
12152 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\ifRTL\beginL\fi\fi%
12153   \leavevmode
12154   \def\Gscale@x{#1}\def\Gscale@y{#2}%
12155   \setbox\z@\hbox{{#3}}%
12156   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
12157   \ifdim#2\p@<\z@
12158     \ht\tw@-#2\dp\z@
12159     \dp\tw@-#2\ht\z@
12160   \else
12161     \ht\tw@#2\ht\z@
12162     \dp\tw@#2\dp\z@
12163   \fi
12164   \ifdim#1\p@<\z@
12165     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%

```



```

12166 \else
12167 \wd\tw@#1\wd\z@
12168 \box\tw@
12169 \fi\ifmmode\else\if@RTL\endL\fi\fi}
12170 \def\Gin@iii[#1,#2][#3,#4]#5{%
12171 \begingroup
12172 \ifmmode\else\if@RTL\beginL\fi\fi
12173 \Gin@bboxtrue
12174 \Gin@defaultbp\Gin@llx{#1}%
12175 \Gin@defaultbp\Gin@lly{#2}%
12176 \Gin@defaultbp\Gin@urx{#3}%
12177 \Gin@defaultbp\Gin@ury{#4}%
12178 \Gin@include@graphics{#5}%
12179 \ifmmode\else\if@RTL\endL\fi\fi
12180 \endgroup}
12181 \def\Gin@ii[#1]#2{%
12182 \def\@tempa{[]}\def\@tempb{#2}%
12183 \ifx\@tempa\@tempb
12184 \def\@tempa{\Gin@iii[#1] []}%
12185 \expandafter\@tempa
12186 \else
12187 \begingroup
12188 \ifmmode\else\if@RTL\beginL\fi\fi
12189 \@tempswafalse
12190 \toks@{\Gin@include@graphics{#2}}%
12191 \setkeys{Gin}{#1}%
12192 \Gin@esetsize
12193 \the\toks@
12194 \ifmmode\else\if@RTL\endL\fi\fi
12195 \endgroup
12196 \fi}
12197 \def\reflectbox{\bidiGscale@box-1[1]}
12198 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
12199 \leavevmode
12200 \def\Gscale@x{#1}\def\Gscale@y{#2}%
12201 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
12202 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
12203 \ifdim#2\p<\z@
12204 \ht\tw@-#2\dp\z@
12205 \dp\tw@-#2\ht\z@
12206 \else
12207 \ht\tw@#2\ht\z@
12208 \dp\tw@#2\dp\z@
12209 \fi
12210 \ifdim#1\p<\z@
12211 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
12212 \else
12213 \wd\tw@#1\wd\z@
12214 \box\tw@
12215 \fi\ifmmode\else\if@RTL\endL\fi\fi}
12216 \def\scalebox#1{%
12217 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
12218 \def\resizebox{%
12219 \leavevmode

```



```

12220 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
12221 \def\bidiGscale@@box#1#2#3{%
12222 \let\@tempa\Gin@exclamation
12223 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
12224 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
12225 \ifx\@tempb\@tempa
12226 \ifx\@tempc\@tempa
12227 \toks@{\mbox}%
12228 \else
12229 \toks@{\bidiGscale@box@dd{#3}#1}%
12230 \fi
12231 \else
12232 \ifx\@tempc\@tempa
12233 \toks@{\bidiGscale@box@dd{#2}\width}%
12234 \else
12235 \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
12236 \fi
12237 \fi
12238 \the\toks@}
12239 \long\def\bidiGscale@box@dd#1#2#3{%
12240 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
12241 \setlength\@tempdima{#1}%
12242 \setlength\@tempdimb{#2}%
12243 \Gscale@div\@tempa\@tempdima\@tempdimb
12244 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
12245 \@end@tempboxa}
12246 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
12247 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@RTL\endR\fi}%
12248 \setlength\@tempdima{#1}%
12249 \setlength\@tempdimb{#2}%
12250 \Gscale@div\@tempa\@tempdima\@tempdimb
12251 \setlength\@tempdima{#3}%
12252 \setlength\@tempdimb{#4}%
12253 \Gscale@div\@tempb\@tempdima\@tempdimb
12254 \ifGin@iso
12255 \ifdim\@tempa\p>\@tempb\p@
12256 \let\@tempa\@tempb
12257 \else
12258 \let\@tempb\@tempa
12259 \fi
12260 \fi
12261 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
12262 \@end@tempboxa}

```

69 File geometry-xetex-bidi.def

```

12263 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
12264 \renewcommand*{\Gm@vrules@mpi}{%
12265 \if@RTLmain%
12266 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
12267 \llap{\Gm@vrule}\ignorespaces
12268 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
12269 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
12270 \else%

```



```

12271 \hb@xt@{\tempdima{\llap{\Gm@vrule}\ignorespaces
12272 \hskip \textwidth\Gm@vrule\hskip \marginparsep
12273 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
12274 \renewcommand*{\Gm@vrules@mpii}{%
12275 \if@RTLmain%
12276 \hb@xt@{\tempdima{\llap{\Gm@vrule}\ignorespaces
12277 \hskip \textwidth\Gm@vrule\hskip \marginparsep
12278 \llap{\Gm@vrule}\hfil\Gm@vrule}%
12279 \else%
12280 \hb@xt@{\tempdima{\hskip-\marginparwidth\hskip-\marginparsep
12281 \llap{\Gm@vrule}\ignorespaces
12282 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
12283 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
12284 \bidi@patchcmd{\Gm@pageframes}{%
12285 \ifodd\count\z@
12286 \let\@themargin\oddsidemargin
12287 \else
12288 \let\@themargin\evensidemargin
12289 \fi
12290 }{%
12291 \ifodd\count\z@
12292 \if@RTLmain
12293 \let\@themargin\evensidemargin
12294 \else
12295 \let\@themargin\oddsidemargin
12296 \fi
12297 \else
12298 \if@RTLmain
12299 \let\@themargin\oddsidemargin
12300 \else
12301 \let\@themargin\evensidemargin
12302 \fi
12303 \fi
12304 }{}{}

```

70 File hvfloat-xetex-bidi.def

```

12305 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package f
12306 \def\do@hvFloat[#1]#2#3{%
12307 \def\hv@shortCap{#1}
12308 \def\hv@longCap{#2}
12309 \def\hv@label{#3}
12310 %\newcommand*{\hvFloat}[5][[]]{%
12311 % [#1]: keyvalues
12312 % #2: type figure | table | ...
12313 % #3: float contents
12314 % [#4]: short caption
12315 % #5: caption
12316 % #6: label
12317 % \setDefaults%
12318 % \def\@tempa{#1}%
12319 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
12320 \def\@tempa{90}%
12321 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}

```



```

12322 \else \setlength{\hvMaxCapWidth}{\linewidth}
12323 \fi
12324 %
12325 % First we save the object in \hvObjectBox
12326 %
12327 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
12328 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
12329 \else
12330 \savebox{\hvObjectBox}{%
12331 \rotatebox{\hvSet@objectAngle}{%
12332 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
12333 \fi
12334 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
12335 %
12336 % Now we save the caption with its defined \hvCapWidth
12337 %
12338 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
12339 \else
12340 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
12341 \else
12342 \setlength{\hvCapWidth}{\hvObjectWidth}
12343 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12344 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12345 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
12346 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
12347 \else
12348 \setlength{\hvCapWidth}{\hvMaxCapWidth}
12349 \fi
12350 \fi
12351 \fi
12352 %
12353 % now we have the object and the caption with the right
12354 % rotated angles saved in boxes
12355 %
12356 \def\fps@figure{\hvSet@floatPos}
12357 \ifhv@nonFloat\begin{group}% Start the nonfloat part
12358 \else \begin{\hv@floatType}% Start the floating environment
12359 \fi%
12360 \saveCaptionSkip% we put this space ourselves
12361 \ifx\hvSet@capAngle\hv@Width % need rotation?
12362 \sbox{\hvCaptionBox}{%
12363 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12364 \ifhv@nonFloat%
12365 \ifhv@onlyText#2%
12366 \else%
12367 \ifx\hv@floatType\hv@figure
12368 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
12369 \else
12370 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
12371 \fi
12372 \fi
12373 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
12374 \fi%
12375 \label{#3}%

```



```

12376     \end{minipage}%
12377   }%
12378   \else%
12379     \sbox{\hvCaptionBox}{%
12380       \rotatebox{\hvSet@capAngle}{%
12381         \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12382 \ifhv@nonFloat%
12383     \ifhv@onlyText#2%
12384     \else%
12385     \ifx\hv@floatType\hv@figure
12386       \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
12387     \else
12388       \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
12389     \fi
12390   \fi
12391 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
12392   \fi%
12393   \label{#3}%
12394   \end{minipage}%
12395   }%
12396   }%
12397   \fi%
12398 %%
12399   \restoreCaptionSkip% save old values
12400   \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
12401   \else%
12402     \ifx\hvSet@objectPos\hv@Center
12403       \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
12404     \fi%
12405   \fi%
12406 %
12407 % to rotate object and caption together, we save all in another box
12408 % the caption comes first, if its on the left or the top
12409 %
12410   \savebox{\@tempboxa}{%
12411     \ifx\hvSet@capPos\hv@Left % caption on left side
12412     \if@RTL%
12413       \ifx\hvSet@capVPos\hv@Center%
12414       \ifhv@fbox
12415         \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12416       \else
12417         \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12418       \fi%
12419       \hspace{\hvSet@floatCapSep pt}%
12420     \ifhv@fbox
12421       \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12422     \else
12423       \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12424     \fi%
12425   \else%
12426     \ifx\hvSet@capVPos\hv@Top
12427     \ifhv@fbox
12428       \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12429   \else

```



```

12430 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12431 \fi%
12432 \hspace{\hvSet@floatCapSep pt}%
12433 \ifhv@fbox
12434 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12435 \else
12436 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12437 \fi
12438 \else
12439 \ifhv@fbox
12440 \fbox{\usebox{\hvObjectBox}}%
12441 \else
12442 \usebox{\hvObjectBox}%
12443 \fi
12444 \hspace{\hvSet@floatCapSep pt}%
12445 \ifhv@fbox
12446 \fbox{\usebox{\hvCaptionBox}}%
12447 \else
12448 \usebox{\hvCaptionBox}%
12449 \fi%
12450 \fi%
12451 \fi%
12452 \else% not RTL
12453 \ifx\hvSet@capVPos\hv@Center%
12454 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12455 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12456 \fi%
12457 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12458 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
12459 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12460 \fi%
12461 \else%
12462 \ifx\hvSet@capVPos\hv@Top % caption at top
12463 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12464 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12465 \fi
12466 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12467 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12468 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12469 \fi%
12470 \else% caption on bottom
12471 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12472 \else\usebox{\hvCaptionBox}
12473 \fi%
12474 \hspace{\hvSet@floatCapSep pt}%
12475 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12476 \else \usebox{\hvObjectBox}
12477 \fi%
12478 \fi%
12479 \fi% end of RTL
12480 \fi%
12481 \else
12482 \ifx\hvSet@capPos\hv@Top
12483 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox

```



```

12484 \begin{minipage}{\wd\hvCaptionBox}
12485 \else
12486 \begin{minipage}{\wd\hvObjectBox}
12487 \fi
12488 \centering
12489 \ifhv@fbox
12490 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
12491 \fbox{\usebox{\hvObjectBox}}
12492 \else
12493 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
12494 \usebox{\hvObjectBox}
12495 \fi%
12496 \end{minipage}
12497 \else
12498 \ifx\hvSet@capPos\hv@Bottom
12499 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12500 \begin{minipage}{\wd\hvCaptionBox}
12501 \else
12502 \begin{minipage}{\wd\hvObjectBox}
12503 \fi
12504 \centering
12505 \ifhv@fbox
12506 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
12507 \fbox{\usebox{\hvCaptionBox}}
12508 \else
12509 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12510 \usebox{\hvCaptionBox}
12511 \fi%
12512 \end{minipage}
12513 \else% the last option: put the caption on the right
12514 \if@RTL%
12515 \ifx\hvSet@capVPos\hv@Center%
12516 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12517 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12518 \fi%
12519 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12520 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
12521 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12522 \fi%
12523 \else%
12524 \ifx\hvSet@capVPos\hv@Top % caption at top
12525 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12526 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12527 \fi
12528 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12529 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12530 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12531 \fi%
12532 \else% caption on bottom
12533 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12534 \else\usebox{\hvCaptionBox}
12535 \fi%
12536 \hspace{\hvSet@floatCapSep pt}%
12537 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}

```




```

12538      \else      \usebox{\hvObjectBox}
12539      \fi%
12540      \fi%
12541      \fi%
12542 \else% not RTL
12543 \ifx\hvSet@capVPos\hv@Center%
12544 \ifhv@fbox
12545 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12546 \else
12547 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12548 \fi%
12549 \hspace{\hvSet@floatCapSep pt}%
12550 \ifhv@fbox
12551 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12552 \else
12553 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12554 \fi%
12555 \else%
12556 \ifx\hvSet@capVPos\hv@Top
12557 \ifhv@fbox
12558 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12559 \else
12560 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12561 \fi%
12562 \hspace{\hvSet@floatCapSep pt}%
12563 \ifhv@fbox
12564 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12565 \else
12566 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12567 \fi
12568 \else
12569 \ifhv@fbox
12570 \fbox{\usebox{\hvObjectBox}}%
12571 \else
12572 \usebox{\hvObjectBox}%
12573 \fi
12574 \hspace{\hvSet@floatCapSep pt}%
12575 \ifhv@fbox
12576 \fbox{\usebox{\hvCaptionBox}}%
12577 \else
12578 \usebox{\hvCaptionBox}%
12579 \fi%
12580 \fi%
12581 \fi
12582 \fi% end of RTL
12583 \fi
12584 \fi
12585 \fi
12586 }% End savebox Object and caption
12587 %
12588 % now we rotate the object and caption, if needed
12589 %
12590 \ifx\hvSet@rotAngle\hv@Zero
12591 \usebox{\@tempboxa}

```



```

12592 \else
12593 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12594 \fi
12595 \ifhv@nonFloat
12596 \ifx\hvSet@objectPos\hv@Center
12597 \ifhv@nonFloat
12598 \hspace{\fill}
12599 \fi
12600 \fi
12601 \endgroup% End the nonfloat part
12602 \else
12603 \end{\hv@floatType}% End the floating environment
12604 \fi
12605 }

```

71 File hyperref-xetex-bidi.def

```

12606 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
12607 \AtBeginDocument{%
12608 \def\contentsline#1#2#3#4{%
12609   \ifx\#4\%
12610     \csname l@#1\endcsname{#2}{#3}%
12611   \else
12612     \ifcase\Hy@linktoc % none
12613       \csname l@#1\endcsname{#2}{#3}%
12614     \or % section
12615       \csname l@#1\endcsname{%
12616         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12617       }{#3}%
12618     \or % page
12619       \csname l@#1\endcsname{#2}{#3}%
12620       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12621     }%
12622   \else % all
12623     \csname l@#1\endcsname{%
12624       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12625     }{#3}%
12626     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12627   }%
12628 \fi
12629 \fi
12630 }
12631 \ifHy@hyperfootnotes
12632 \let\H@footnotetext\@footnotetext
12633 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12634 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12635 \def\@xfootnotenext[#1]{%
12636 \begingroup
12637   \csname c@#1\endcsname #1\relax
12638   \unrestored@protected@xdef\@thefnmark{\thempfn}%
12639 \endgroup
12640 \ifx\@footnotetext\@mpfootnotetext
12641   \expandafter\H@mpfootnotetext
12642 \else

```



```

12643     \expandafter\H@@footnotetext
12644     \fi
12645 }%
12646 \def\xRTLfootnotenext[#1]{%
12647 \begingroup
12648   \csname c@\mpfn\endcsname #1\relax
12649   \unrestored@protected\xdef\@thefnmark{\thempfn}%
12650 \endgroup
12651 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12652   \expandafter\HRTL@\mpRTLfootnotetext
12653 \else
12654   \expandafter\HRTL@\RTLfootnotetext
12655 \fi
12656 }%
12657 \def\xLTRfootnotenext[#1]{%
12658 \begingroup
12659   \csname c@\mpfn\endcsname #1\relax
12660   \unrestored@protected\xdef\@thefnmark{\thempfn}%
12661 \endgroup
12662 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12663   \expandafter\HLTR@\mpLTRfootnotetext
12664 \else
12665   \expandafter\HLTR@\LTRfootnotetext
12666 \fi
12667 }%
12668 \def\xfootnotemark[#1]{%
12669 \begingroup
12670   \c@footnote #1\relax
12671   \unrestored@protected\xdef\@thefnmark{\thefootnote}%
12672 \endgroup
12673 \H@@footnotemark
12674 }%
12675 \let\H@@mpfootnotetext\@mpfootnotetext
12676 \let\HRTL@\mpRTLfootnotetext\@mpRTLfootnotetext
12677 \let\HLTR@\mpLTRfootnotetext\@mpLTRfootnotetext
12678 \long\def\@mpfootnotetext#1{%
12679   \H@@mpfootnotetext{%
12680     \ifHy@nesting
12681       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12682     \else
12683       \Hy@raisedlink{%
12684         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12685       }#1%
12686     \fi
12687   }%
12688 }%
12689 \long\def\@mpRTLfootnotetext#1{%
12690   \HRTL@\mpRTLfootnotetext{%
12691     \ifHy@nesting
12692       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12693     \else
12694       \Hy@raisedlink{%
12695         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12696       }#1%

```



```

12697     \fi
12698   }%
12699 }%
12700 \long\def\@mplTRfootnotetext#1{%
12701 \HLTR@@mplTRfootnotetext{%
12702   \ifHy@nesting
12703     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12704   \else
12705     \Hy@raisedlink{%
12706       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12707     }#1%
12708   \fi
12709 }%
12710 }%
12711 \long\def\@footnotetext#1{%
12712 \H@@footnotetext{%
12713   \ifHy@nesting
12714     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12715   \else
12716     \Hy@raisedlink{%
12717       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12718     }%
12719     \let\@currentHlabel\Hy@footnote@currentHlabel
12720     \let\@currentHref\Hy@footnote@currentHref
12721     \let\@currentlabelname\@empty
12722     #1%
12723   \fi
12724 }%
12725 }%
12726 \long\def\@RTLfootnotetext#1{%
12727 \HRTL@@RTLfootnotetext{%
12728   \ifHy@nesting
12729     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12730   \else
12731     \Hy@raisedlink{%
12732       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12733     }%
12734     \let\@currentHlabel\Hy@footnote@currentHlabel
12735     \let\@currentHref\Hy@footnote@currentHref
12736     \let\@currentlabelname\@empty
12737     #1%
12738   \fi
12739 }%
12740 }%
12741 \long\def\@LTRfootnotetext#1{%
12742 \HLTR@@LTRfootnotetext{%
12743   \ifHy@nesting
12744     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12745   \else
12746     \Hy@raisedlink{%
12747       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12748     }%
12749     \let\@currentHlabel\Hy@footnote@currentHlabel
12750     \let\@currentHref\Hy@footnote@currentHref

```



```

12751         \let\@currentlabelname\@empty
12752         #1%
12753     \fi
12754 }%
12755 }%
12756 \ifpackageloaded{tabularx}{%
12757 \let\HyOrg@TX@endtabularx\TX@endtabularx
12758 \def\Hy@tabularx@hook{%
12759     \let\@footnotetext\H@@footnotetext
12760     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12761     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12762     \let\@footnotemark\H@@footnotemark
12763     \let\@mpfootnotetext\H@@mpfootnotetext
12764     \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
12765     \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
12766 }%
12767 \begingroup
12768 \toks@{\expandafter{\TX@endtabularx}}%
12769 \xdef\Hy@gtemp{%
12770     \noexpand\Hy@tabularx@hook
12771     \the\toks@
12772 }%
12773 \endgroup
12774 \let\TX@endtabularx\Hy@gtemp
12775 }{}%
12776 \ifpackageloaded{longtable}{%
12777 \CheckCommand*{\LT@p@LTRfnttext}[1]{%
12778     \edef\@tempa{%
12779         \the\LT@p@ftn
12780         \noexpand\LTRfootnotetext[\the\c@footnote]}%
12781 }%
12782 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12783 }%
12784 \long\def\LT@p@LTRfnttext#1{%
12785     \edef\@tempa{%
12786         \the\LT@p@ftn
12787         \begingroup
12788             \noexpand\c@footnote=\the\c@footnote\relax
12789             \noexpand\protected@xdef\noexpand\@thefnmark{%
12790                 \noexpand\thempfn
12791             }%
12792             \noexpand\Hy@LT@LTRfootnotetext{%
12793                 \Hy@footnote@currentHref
12794             }%
12795         }%
12796         \global\LT@p@ftn\expandafter{%
12797             \@tempa{#1}%
12798         }%
12799     }%
12800 }%
12801 \long\def\Hy@LT@LTRfootnotetext#1#2{%
12802     \HLTR@@LTRfootnotetext{%
12803         \ifHy@nesting
12804             \hyper@@anchor{#1}{#2}%

```



```

12805         \else
12806         \Hy@raisedlink{%
12807             \hyper@@anchor{#1}{\relax}%
12808         }%
12809         \def\@currentHref{#1}%
12810         \let\@currentlabelname\@empty
12811         #2%
12812     \fi
12813 }%
12814 }%
12815 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12816     \edef\@tempa{%
12817         \the\LT@p@ftn
12818         \noexpand\RTLfootnotetext[\the\c@footnote]%
12819     }%
12820     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12821 }%
12822 \long\def\LT@p@RTLftntext#1{%
12823     \edef\@tempa{%
12824         \the\LT@p@ftn
12825         \begingroup
12826             \noexpand\c@footnote=\the\c@footnote\relax
12827             \noexpand\protected@xdef\noexpand\@thefnmark{%
12828                 \noexpand\thempfn
12829             }%
12830             \noexpand\Hy@LT@RTLfootnotetext{%
12831                 \Hy@footnote@currentHref
12832             }%
12833         }%
12834         \global\LT@p@ftn\expandafter{%
12835             \@tempa{#1}%
12836         \endgroup
12837     }%
12838 }%
12839 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12840     \HRTL@RTLfootnotetext{%
12841         \ifHy@nesting
12842             \hyper@@anchor{#1}{#2}%
12843         \else
12844             \Hy@raisedlink{%
12845                 \hyper@@anchor{#1}{\relax}%
12846             }%
12847             \def\@currentHref{#1}%
12848             \let\@currentlabelname\@empty
12849             #2%
12850         \fi
12851     }%
12852 }%
12853 }-}%
12854 \@ifpackageloaded{bidipoem}{%
12855     \long\def\bidipoem@p@ftntext#1{%
12856         \edef\@tempx{%
12857             \the\bidipoem@p@ftn
12858         \begingroup

```



```

12859         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12860         \noexpand\protected\xdef\noexpand\@thefnmark{%
12861             \noexpand\thempfn
12862         }%
12863         \noexpand\Hy@bidipoem@footnotetext{%
12864             \Hy@footnote@currentHref
12865         }%
12866     }%
12867     \global\bidipoem@p@ftn\expandafter{%
12868         \@tempxi{#1}%
12869     \endgroup
12870 }%
12871 }%
12872 \long\def\Hy@bidipoem@footnotetext#1#2{%
12873     \H@@@footnotetext{%
12874         \ifHy@nesting
12875             \hyper@@anchor{#1}{#2}%
12876         \else
12877             \Hy@raisedlink{%
12878                 \hyper@@anchor{#1}{\relax}%
12879             }%
12880             \def\@currentHref{#1}%
12881             \let\@currentlabelname\@empty
12882             #2%
12883         \fi
12884     }%
12885 }%
12886 \long\def\bidipoem@p@LTRftntext#1{%
12887     \edef\@tempxi{%
12888         \the\bidipoem@p@ftn
12889     \begingroup
12890         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12891         \noexpand\protected\xdef\noexpand\@thefnmark{%
12892             \noexpand\thempfn
12893         }%
12894         \noexpand\Hy@bidipoem@LTRfootnotetext{%
12895             \Hy@footnote@currentHref
12896         }%
12897     }%
12898     \global\bidipoem@p@ftn\expandafter{%
12899         \@tempxi{#1}%
12900     \endgroup
12901 }%
12902 }%
12903 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12904     \HLTR@@LTRfootnotetext{%
12905         \ifHy@nesting
12906             \hyper@@anchor{#1}{#2}%
12907         \else
12908             \Hy@raisedlink{%
12909                 \hyper@@anchor{#1}{\relax}%
12910             }%
12911             \def\@currentHref{#1}%
12912             \let\@currentlabelname\@empty

```



```

12913         #2%
12914         \fi
12915     }%
12916 }%
12917     \long\def\bidipoem@p@RTLftntext#1{%
12918     \edef\@tempxi{%
12919     \the\bidipoem@p@ftn
12920     \begingroup
12921     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12922     \noexpand\protected@xdef\noexpand\@thefnmark{%
12923     \noexpand\thempfn
12924     }%
12925     \noexpand\Hy@bidipoem@RTLfootnotetext{%
12926     \Hy@footnote@currentHref
12927     }%
12928 }%
12929 \global\bidipoem@p@ftn\expandafter{%
12930     \@tempxi{#1}%
12931     \endgroup
12932 }%
12933 }%
12934 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12935     \HRTL@RTLfootnotetext{%
12936     \ifHy@nesting
12937     \hyper@@anchor{#1}{#2}%
12938     \else
12939     \Hy@raisedlink{%
12940     \hyper@@anchor{#1}{\relax}%
12941     }%
12942     \def\@currentHref{#1}%
12943     \let\@currentlabelname\@empty
12944     #2%
12945     \fi
12946     }%
12947 }%
12948 }-}%
12949 \let\HyOrg@maketitle\maketitle
12950 \def\maketitle{%
12951     \let\Hy@saved@footnotemark\@footnotemark
12952     \let\Hy@saved@footnotetext\@footnotetext
12953     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12954     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12955     \let\@footnotemark\H@@footnotemark
12956     \let\@footnotetext\H@@footnotetext
12957     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
12958     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
12959     \@ifnextchar[\Hy@maketitle@optarg[% ]
12960     \HyOrg@maketitle
12961     \Hy@maketitle@end
12962 }%
12963 }%
12964 \def\Hy@maketitle@optarg[#1]{%
12965     \HyOrg@maketitle[#{1}]%
12966     \Hy@maketitle@end

```




```

12967 }%
12968 \def\Hy@maketitle@end{%
12969   \ifx\@footnotemark\H@@footnotemark
12970     \let\@footnotemark\Hy@saved@footnotemark
12971   \fi
12972   \ifx\@footnotetext\H@@footnotetext
12973     \let\@footnotetext\Hy@saved@footnotetext
12974   \fi
12975   \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12976     \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12977   \fi
12978   \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12979     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12980   \fi
12981 }%
12982 \def\realfootnote{%
12983   \@ifnextchar[\@xfootnote{%
12984     \stepcounter{\@mpfn}%
12985     \protected@xdef\@thefnmark{\thempfn}%
12986     \H@@footnotemark\H@@footnotetext
12987   }%
12988 }%
12989 \fi
12990 \def\Hy@BeginAnnot#1{%
12991   \ifmmode\else\beginL\fi%
12992   \global\advance\c@Hy@AnnotLevel\@ne
12993   \ifnum\c@Hy@AnnotLevel=\@ne
12994     #1%
12995   \fi
12996 }
12997 \def\Hy@endAnnot{%
12998   \ifnum\c@Hy@AnnotLevel=\@ne
12999     \Hy@endcolorlink
13000     \@pdfm@mark{eann}%
13001   \fi
13002   \global\advance\c@Hy@AnnotLevel\m@ne
13003   \ifmmode\else\endL\fi%
13004 }
13005 \def\hyper@link#1#2#3{%
13006   \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi
13007 }
13008 \def\hyper@linkfile#1#2#3{%
13009   \leavevmode
13010   \Hy@BeginAnnot{%
13011     \def\Hy@pstringF{#2}%
13012     \Hy@CleanupFile\Hy@pstringF
13013     \Hy@pstringdef\Hy@pstringF\Hy@pstringF
13014     \Hy@pstringdef\Hy@pstringD{#3}%
13015     \Hy@MakeRemoteAction
13016     \@pdfm@mark{%
13017       bann<<%
13018       /Type/Annot%
13019       /Subtype/Link%
13020       \ifHy@pdfa /F 4\fi

```



```

13021      \Hy@setpdfborder
13022      \ifx\@filebordercolor\relax
13023      \else
13024          /C[\@filebordercolor]%
13025      \fi
13026      /A<<%
13027          /S/GoToR%
13028          /F(\Hy@pstringF)%
13029          /D%
13030          \ifx\#3\%
13031              [\Hy@href@page\@pdfremotestartview]%
13032          \else
13033              (\Hy@pstringD)%
13034          \fi
13035          \Hy@SetNewWindow
13036          \Hy@href@nextactionraw
13037      >>%
13038  >>%
13039  }%
13040  \Hy@colorlink\@filecolor
13041  }%
13042  \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
13043  \Hy@EndAnnot
13044  }
13045  \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
13046      \leavevmode
13047      \Hy@BeginAnnot{%
13048          \Hy@pstringdef\Hy@pstringF{#1}%
13049          \Hy@pstringdef\Hy@pstringP{#3}%
13050          \@pdfm@mark{%
13051              bann<<%
13052                  /Type/Annot%
13053                  /Subtype/Link%
13054                  \ifHy@pdfa /F 4\fi
13055                  \Hy@setpdfborder
13056                  \ifx\@runbordercolor\relax
13057                  \else
13058                      /C[\@runbordercolor]%
13059                  \fi
13060                  /A<<%
13061                      /F(\Hy@pstringF)%
13062                      /S/Launch%
13063                      \Hy@SetNewWindow
13064                      \ifx\#3\%
13065                      \else
13066                          /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
13067                      \fi
13068                      \Hy@href@nextactionraw
13069                  >>%
13070              >>%
13071              }%
13072              \Hy@colorlink\@runcolor
13073          }%
13074          \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end

```



```

13075 \Hy@EndAnnot
13076 }
13077 \def\hyper@linkurl#1#2{%
13078 \leavevmode
13079 \Hy@BeginAnnot{%
13080 \Hy@pstringdef\Hy@pstringURI{#2}%
13081 \@pdfm@mark{%
13082 bann<<%
13083 /Type/Annot%
13084 /Subtype/Link%
13085 \ifHy@pdfa /F 4\fi
13086 \Hy@setpdfborder
13087 \ifx\@urlbordercolor\relax
13088 \else
13089 /C[\@urlbordercolor]%
13090 \fi
13091 /A<<%
13092 /S/URI%
13093 /URI(\Hy@pstringURI)%
13094 \ifHy@href@ismap
13095 /IsMap true%
13096 \fi
13097 \Hy@href@nextactionraw
13098 >>%
13099 >>%
13100 }%
13101 \Hy@colorlink\@urlcolor
13102 }%
13103 \ifmmode\else\ifRTL\beginR\fi\fi#1\ifmmode\else\ifRTL\endR\fi\fi\Hy@xspace@end
13104 \Hy@EndAnnot
13105 }
13106 \def\Acrobatmenu#1#2{%
13107 \Hy@Acrobatmenu{#1}{#2}%
13108 \Hy@BeginAnnot{%
13109 \EdefEscapeName\Hy@temp@menu{#1}%
13110 \@pdfm@mark{%
13111 bann<<%
13112 /Type/Annot%
13113 /Subtype/Link%
13114 \ifHy@pdfa /F 4\fi
13115 \Hy@setpdfborder
13116 \ifx\@menubordercolor\relax
13117 \else
13118 /C[\@menubordercolor]%
13119 \fi
13120 /A<<%
13121 /S/Named%
13122 /N/\Hy@temp@menu
13123 \Hy@href@nextactionraw
13124 >>%
13125 >>%
13126 }%
13127 \Hy@colorlink\@menucolor
13128 }%

```



```

13129 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
13130 \Hy@endAnnot
13131 }%
13132 }
13133 \def\hyper@natlinkstart#1{%
13134 \Hy@backout{#1}%
13135 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
13136 \def\hyper@nat@current{#1}%
13137 }
13138 \def\hyper@natlinkend{%
13139 \if@RTL\endR\fi\hyper@linkend
13140 }
13141 \def\hyper@natlinkbreak#1#2{%
13142 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
13143 }%
13144 }
13145 \pdfstringdefDisableCommands{%
13146 \let\LRE\@firstofone
13147 \let\LR\@firstofone
13148 \let\RLE\@firstofone
13149 \let\RL\@firstofone
13150 \def\XeTeX{Xe\TeX}%
13151 \def\XeLaTeX{Xe\LaTeX}%
13152 }
13153 \ifpackageloaded{longtable}{%
13154 \begingroup
13155 \def\y{\LT@array}%
13156 \ifundefined{scr@LT@array}{%
13157 \ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
13158 }{\def\y{\scr@LT@array}}%
13159 \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
13160 \expandafter\endgroup
13161 \expandafter\def\y[##1]##2{%
13162 \H@refstepcounter{#1}%
13163 \hyper@makecurrent{table}%
13164 \let\Hy@LT@currentHref\@currentHref
13165 #2\@sharp####4%
13166 }%
13167 }%
13168 \expandafter\expandafter\expandafter\x\y[##1]{##2}\@nil
13169 \begingroup
13170 \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
13171 \endgroup
13172 \def\LT@start{%
13173 #1%
13174 \ifvoid\LT@foot#2\fi
13175 \let\@currentHref\Hy@LT@currentHref
13176 \Hy@raisedlink{%
13177 \hyper@anchorstart{\@currentHref}\hyper@anchorend
13178 }%
13179 #3%
13180 }%
13181 }%
13182 \expandafter\x\LT@start\@nil

```



```

13183 }{}
13184 \bidi@patchcmd\@TextField{%
13185   \@pdfm@mark
13186 }{%
13187   \if@RTL
13188     \hskip\Fld@width
13189   \fi
13190   \@pdfm@mark
13191 }{}{}
13192 \bidi@patchcmd\@TextField{%
13193   \unhbox
13194 }{%
13195   \if@RTL
13196     \hskip-\Fld@width
13197   \fi
13198   \unhbox
13199 }{}{}
13200 \bidi@patchcmd\@@Radio{%
13201   \@pdfm@mark
13202 }{%
13203   \if@RTL
13204     \hskip\Fld@width
13205   \fi
13206   \@pdfm@mark
13207 }{}{}
13208 \bidi@patchcmd\@@Radio{%
13209   \unhcopy
13210 }{%
13211   \if@RTL
13212     \hskip-\Fld@width
13213   \fi
13214   \unhcopy
13215 }{}{}
13216 \bidi@patchcmd\@Submit{%
13217   \@pdfm@mark
13218 }{%
13219   \if@RTL
13220     \null
13221     \hskip\wd\pdfm@box
13222   \fi
13223   \@pdfm@mark
13224 }{}{}
13225 \bidi@patchcmd\@Submit{%
13226   \unhbox
13227 }{%
13228   \if@RTL
13229     \hskip-\wd\pdfm@box
13230   \fi
13231   \unhbox
13232 }{}{}
13233 \bidi@patchcmd\@Reset{%
13234   \@pdfm@mark
13235 }{%
13236   \if@RTL

```



```

13237 \null
13238 \hskip\wd\pdfm@box
13239 \fi
13240 \@pdfm@mark
13241 }{}{}
13242 \bidi@patchcmd\@Reset{%
13243 \unhbox
13244 }{%
13245 \if@RTL
13246 \hskip-\wd\pdfm@box
13247 \fi
13248 \unhbox
13249 }{}{}

```

72 File `imsproc-xetex-bidi.def`

```

13250 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imsp
13251 \newenvironment{thebibliography}[1]{%
13252 \bibtitlestyle
13253 \normalfont\bibliofont\labelsep .5em\relax
13254 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
13255 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13256 \bidi@thebibliography@font@hook
13257 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
13258 \leftmargin\labelwidth \advance\leftmargin\labelsep
13259 \usecounter{enumiv}}%
13260 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
13261 \sfcode`\.=\@m
13262 }{%
13263 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
13264 \endlist
13265 }
13266
13267 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
13268 \columnseprule\z@ \columnsep 35p@
13269 \@indextitlestyle
13270 \thispagestyle{plain}%
13271 \let\item\@idxitem
13272 \parindent\z@ \parskip\z@\@plus.3p@\relax
13273 \if@RTL\raggedleft\else\raggedright\fi
13274 \hyphenpenalty\@M
13275 \footnotesize}
13276 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
13277 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
13278 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
13279
13280 \def\right@footnoterule{%
13281 \kern-.4p@
13282 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
13283 \kern11p@\kern-\footnotesep}
13284 \def\left@footnoterule{\kern-.4p@
13285 \hrule\@width 5pc\kern11p@\kern-\footnotesep}
13286 \def\@makefnmark{%
13287 \leavevmode

```



```

13288 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
13289 }
13290
13291 \def\part{\@startsection{part}{0}%
13292 \z@\linespacing\@plus\linespacing}{.5\linespacing}%
13293 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
13294 \def\@tocline#1#2#3#4#5#6#7{\relax
13295 \ifnum #1>\c@tocdepth % then omit
13296 \else
13297 \par \addpenalty\@secpenalty\addvspace{#2}%
13298 \begingroup \hyphenpenalty\@M
13299 \@ifempty{#4}{%
13300 \@tempdima\c@tocdepth\@tocdepth\@tocdepth\@tocdepth\@tocdepth\relax
13301 }{%
13302 \@tempdima#4\relax
13303 }%
13304 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi#3\relax
13305 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
13306 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
13307 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
13308 \nobreak
13309 \endgroup
13310 \fi}
13311 \renewcommand\thesubsection {\thesubsection\@SepMark\arabic{subsection}}
13312 \renewcommand\thesubsubsection {\thesubsubsection\@SepMark\arabic{subsubsection}}
13313 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
13314 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
13315 \def\maketitle{\par
13316 \topnum\z@ % this prevents figures from falling at the top of page 1
13317 \setcopyright
13318 \thispagestyle{firstpage}% this sets first page specifications
13319 \uppercasenonmath\shorttitle
13320 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
13321 \else \andify\shortauthors
13322 \fi
13323 \@maketitle@hook
13324 \begingroup
13325 \@maketitle
13326 \toks@{\exp{\shortauthors}\@temptokena\exp{\shorttitle}}%
13327 \toks4{\def\{\ignorespaces}}% defend against questionable usage
13328 \edef\@tempa{%
13329 \nx\markboth{\the\toks4
13330 \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
13331 \@tempa
13332 \endgroup
13333 \c@footnote\z@
13334 \cleartopmattertags
13335 }

```

73 File leqno-xetex-bidi.def

```

13336 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX]
13337 \renewcommand\@eqnnum{\hbxt@.01p@{}%
13338 \rlap{\hskip -\displaywidth

```



```

13339                                     {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}

```

74 File letter-xetex-bidi.def

```

13340 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter class]
13341 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
13342   \thispagestyle{firstpage}%
13343   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
13344 \else % home address
13345   \thispagestyle{empty}%
13346   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}\fi
13347     \fromaddress \*[2\parskip]%
13348     \@date \end{tabular}\par}%
13349 \fi
13350 \vspace{2\parskip}%
13351 {\if@RTL\raggedleft\else\raggedright\fi \toname \[ \toaddress \par}%
13352 \vspace{2\parskip}%
13353 #1\par\nobreak}
13354 \renewcommand\left@footnoterule{%
13355   \kern-\p@
13356   \hrule \@width .4\columnwidth
13357   \kern .6\p@}
13358 \renewcommand\right@footnoterule{%
13359   \kern-\p@
13360   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13361   \kern .6\p@}

```

75 File lettrine-xetex-bidi.def

```

13362 \ProvidesFile{lettrine-xetex-bidi.def}[2019/05/01 v0.7 bidi adaptations for lettrine package]
13363 \def\@lettrine[#1]#2#3{%
13364   \def\l@initial{#2}\let\l@refstring\l@initial
13365   \setcounter{L@lines}{\value{DefaultLines}}%
13366   \setcounter{L@depth}{\value{DefaultDepth}}%
13367   \renewcommand*{\L@hang}{\DefaultLhang}%
13368   \renewcommand*{\L@oversize}{\DefaultLoversize}%
13369   \renewcommand*{\L@raise}{\DefaultLraise}%
13370   \renewcommand*{\L@ante}{}%
13371   \setlength{\L@Findent}{\DefaultFindent}%
13372   \setlength{\L@Nindent}{\DefaultNindent}%
13373   \setlength{\L@slope}{\DefaultSlope}%
13374   \setlength{\L@novskip}{\DiscardVskip}%
13375   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
13376   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
13377   \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
13378   \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
13379   \setkeys{L}{#1}%
13380   \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
13381   \ifL@realh
13382     \def\@tempa{#3}%
13383     \ifx\@tempa\@empty
13384       \PackageWarning{lettrine.sty}%
13385         {Empty second argument, \MessageBreak
13386         ignoring option `realheight';}%

```




```

13387 \else
13388 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13389 \fi
13390 \fi
13391 \if\DefaultOptionsFile\relax
13392 \else
13393 \begingroup
13394 \InputIfFileExists{\DefaultOptionsFile}%
13395 {}%
13396 {\PackageWarning{lettrine.sty}%
13397 {File \DefaultOptionsFile\space not found}%
13398 }%
13399 \def\color##1##{\l@color{##1}}%
13400 \let\l@color\@gobbletwo
13401 \def\textcolor##1##{\l@textcolor{##1}}%
13402 \def\l@textcolor##1##2##3{##3}%
13403 \expandafter\ifx\csname l@#2-keys\endcsname\relax
13404 \gdef\l@LOKeys{}%
13405 \else
13406 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
13407 \fi
13408 \endgroup
13409 \def\KV@prefix{KV@L@}%
13410 \let\@tempc\relax
13411 \expandafter\KV@do\l@LOKeys,\relax,
13412 \setupL@lbox
13413 \setlength{\LettrineWidth}{\wd\L@lbox}%
13414 \def\KV@prefix{KV@L@}%
13415 \let\@tempc\relax
13416 \expandafter\KV@do\l@LOKeys,\relax,
13417 \setkeys{L}{#1}%
13418 \fi
13419 \setupL@lbox
13420 \setlength{\LettrineWidth}{\wd\L@lbox}%
13421 \setlength{\LettrineHeight}{\ht\L@lbox}%
13422 \setlength{\LettrineDepth}{\dp\L@lbox}%
13423 \begingroup
13424 \def\IeC##1{##1}%
13425 \@tempdima=\L@oversize pt\relax
13426 \PackageInfo{lettrine.sty}%
13427 {Targeted height = \the\L@target@tth\MessageBreak
13428 (no accent, loversize=0),\MessageBreak
13429 Lettrine height = \the\LettrineHeight\space (#2)%
13430 \ifdim\@tempdima=z@\else\space loversize=\L@oversize\fi;%
13431 \MessageBreak reported}%
13432 \endgroup
13433 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13434 \setlength{\L@first}{\LettrineHeight}%
13435 \setlength{\L@lraise}{\L@raise\L@target@tth}%
13436 \addtolength{\L@first}{\L@lraise}%
13437 \ifnum\value{L@lines}=1
13438 \addtolength{\L@first}{-\ht\L@tbox}%
13439 \else
13440 \addtolength{\L@first}{-\L@target@tth}%

```



```

13441 \addtolength{\L@lraise}{-\L@target@dp}%
13442 \fi
13443 \par
13444 \ifdim\L@first>\L@novskip
13445 \ifL@grid
13446 \@tempdima=\baselineskip
13447 \@tempdimb=\@tempdima
13448 \advance\@tempdimb by \L@novskip
13449 \@tempcnta=1
13450 \loop\ifdim\L@first>\@tempdimb
13451 \advance\@tempcnta by 1
13452 \advance\L@first by -\@tempdima
13453 \repeat
13454 \L@first=\@tempcnta\baselineskip
13455 \fi
13456 \vskip\L@first
13457 \fi
13458 \setlength{\L@Pindent}{\wd\L@lbox}%
13459 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
13460 \settowidth{\L@first}{\L@ante}%
13461 \addtolength{\L@Pindent}{\L@first}%
13462 \addtolength{\L@Pindent}{\L@Findent}%
13463 \setlength{\L@first}{\linewidth}%
13464 \addtolength{\L@first}{-\L@Pindent}%
13465 \addtolength{\L@Nindent}{\L@Pindent}%
13466 \setlength{\L@next}{\linewidth}%
13467 \addtolength{\L@next}{-\L@Nindent}%
13468 \addtolength{\L@Pindent}{\@totalleftmargin}%
13469 \addtolength{\L@Nindent}{\@totalleftmargin}%
13470 \addtocounter{L@lines}{1}%
13471 \addtocounter{L@lines}{\value{L@depth}}%
13472 \if@RTL
13473 \def\L@parshape{\c@L@lines \z@ \the\L@first}%
13474 \else
13475 \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
13476 \fi
13477 \@tempcnta=\tw@
13478 \@whilenum \@tempcnta<\c@L@lines\do{%
13479 \if@RTL
13480 \edef\L@parshape{\L@parshape \z@ \the\L@next}%
13481 \else
13482 \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
13483 \fi
13484 \addtolength{\L@Nindent}{\L@slope}%
13485 \addtolength{\L@next}{-\L@slope}%
13486 \advance\@tempcnta\@ne}%
13487 \if@RTL
13488 \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
13489 \else
13490 \edef\L@parshape{\L@parshape \@totalleftmargin \the\linewidth}%
13491 \fi
13492 \noindent
13493 \parshape=\L@parshape\relax
13494 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%

```



```

13495         \hskip \the\L@Findent}}}%
13496 \usebox{\L@tbox}%
13497 \ifnum\@listdepth>0 \Lreset@listparshape \fi
13498 }

```

76 File lineno-xetex-bidi.def

```

13499 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for
13500 \bidi@patchcmd{\MakeLineNo}{\%
13501   \hb@xt@\z@\makeLineNumber}%
13502 }{\%
13503   \hboxL to \z@\makeLineNumber}%
13504 }{}{}
13505
13506 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{\%
13507   \if@RTL
13508     \hb@xt@\linenumberwidth{\LineNumber\hss}%
13509   \else
13510     \LineNumber
13511   \fi
13512 }{}{}
13513
13514 \bidi@patchcmd{\makeLineNumberRight}{\%
13515   \hb@xt@\linenumberwidth{\hss\LineNumber}%
13516 }{\%
13517   \if@RTL
13518     \LineNumber
13519   \else
13520     \hb@xt@\linenumberwidth{\hss\LineNumber}%
13521   \fi
13522 }{}{}
13523
13524 \bidi@AfterPreamble{\%
13525   \if@RTLmain
13526     \rightlinenumbers*
13527   \else
13528     \leftlinenumbers*
13529   \fi
13530   \@ifpackagewith{lineno}{left}{\%
13531     \leftlinenumbers*
13532   }{}
13533   \@ifpackagewith{lineno}{right}{\%
13534     \rightlinenumbers*
13535   }{}
13536 }
13537

```

77 File listings-xetex-bidi.def

```

13538 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package
13539 \lst@Key{captiondirection}{\textdirection}{\%
13540   \lstKV@SwitchCases{#1}%
13541   {textdirection:\}%
13542   RTL:\chardef\bidi@lst@caption@direction\@ne\}%

```



```

13543 LTR:\chardef\bidilst@caption@direction\z@%
13544 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13545
13546 \lst@Key{captionscript}{textscript}{%
13547 \lstKV@SwitchCases{#1}%
13548 {textscript:\%
13549 latin:\chardef\bidilst@caption@script\@ne\%
13550 nonlatin:\chardef\bidilst@caption@script\z@%
13551 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13552
13553 \newcommand*{\bidilst@ensure@caption@direction}[2]{%
13554 \ifundefined{bidilst@caption@direction}{}%
13555 \ifnum\bidilst@caption@direction=\z@%
13556 #1%
13557 \else%
13558 \ifnum\bidilst@caption@direction=\@ne%
13559 #2%
13560 \fi%
13561 \fi%
13562 }}
13563
13564 \newcommand*{\bidilst@ensure@caption@script}[2]{%
13565 \ifundefined{bidilst@caption@script}{}%
13566 \ifnum\bidilst@caption@script=\z@%
13567 #1%
13568 \else%
13569 \ifnum\bidilst@caption@script=\@ne%
13570 #2%
13571 \fi%
13572 \fi%
13573 }}
13574
13575 \long\def\@bidilst@makecaption#1#2{%
13576 \bidilst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13577 \vskip\abovecaptionskip
13578 \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13579 \sbox\@tempboxa{%
13580 \bidilst@ensure@caption@direction{\beginL}{\beginR}%
13581 #1: #2%
13582 \bidilst@ensure@caption@direction{\endL}{\endR}%
13583 }%
13584 \ifdim \wd\@tempboxa >\hsize
13585 #1: #2\par
13586 \else
13587 \global \@minipagefalse
13588 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13589 \fi
13590 \vskip\belowcaptionskip}%
13591 \def\lst@makecaption{\@bidilst@makecaption}
13592 \def\lst@maketitle{\@bidilst@makecaption\lst@title@dropdelim}
13593 \bidilst@AtEndPreamble{%
13594 \bidilst@patchcmd{\lst@MakeCaption}{%
13595 \ifx #1t%
13596 \ifx\lst@caption\@empty\expandafter\lst@HRefStepCounter \else

```



```

13597                                     \expandafter\refstepcounter
13598         \fi {lstlisting}%
13599 }{%
13600     \ifx #1%
13601         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13602         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13603             \expandafter\refstepcounter
13604         \fi {lstlisting}%
13605         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13606 }{}{}%
13607 \bidi@patchcmd{\lst@MakeCaption}{%
13608     \addcontentsline{lol}{lstlisting}%
13609     {\protect\numberline{\thelstlisting}\lst@@caption}%
13610 }{}%
13611 \begingroup%
13612     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13613     \addcontentsline{lol}{lstlisting}%
13614     {\protect\numberline{\thelstlisting}\lst@@caption}%
13615 \endgroup%
13616 }{}{}%
13617 }
13618 \ifpackageloaded{caption}{%
13619     \AtBeginCaption{%
13620         \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13621         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13622     }
13623     \let\@bidi@lst@makecaption\caption@makecaption%
13624     \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
13625     \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
13626 }{}%
13627 \AtBeginDocument{%
13628     \@ifundefined{captionlabelfalse}{}{}%
13629     \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
13630 \@ifundefined{caption@startrue}{}{}%
13631 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
13632 }%
13633 }
13634 \AtBeginDocument{
13635     \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
13636     \lst@ifnumberbychapter
13637         \gdef\thelstlisting%
13638             {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13639     \else
13640         \gdef\thelstlisting{\@arabic\c@lstlisting}
13641     \fi}

```

78 File loadingorder-xetex-bidi.def

```

13642 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the las
13643 \bidi@isloaded{amsmath}
13644 \bidi@isloaded{amstext}
13645 \bidi@isloaded{amsthm}
13646 \bidi@isloaded{animate}
13647 \bidi@isloaded{breqn}

```



```

13648 \bidi@isloaded{cals}
13649 \bidi@isloaded{caption}
13650 \bidi@isloaded{crop}
13651 \bidi@isloaded{cuted}
13652 \bidi@isloaded{cutwin}
13653 \bidi@isloaded{color}
13654 \bidi@isloaded{dblfnote}
13655 \bidi@isloaded{diagbox}
13656 \bidi@isloaded{xcolor}
13657 \bidi@isloaded{colortbl}
13658 \bidi@isloaded{float}
13659 \bidi@isloaded{floatrow}
13660 \bidi@isloaded{flowfram}
13661 \bidi@isloaded{framed}
13662 \bidi@isloaded{ftnright}
13663 \bidi@isloaded{xltextra}
13664 \bidi@isloaded{xunicode}
13665 \bidi@isloaded{wrapfig}
13666 \bidi@isloaded{graphicx}
13667 \bidi@isloaded{geometry}
13668 \bidi@isloaded{hvfloat}
13669 \bidi@isloaded{mdframed}
13670 \bidi@isloaded{midfloat}
13671 \bidi@isloaded{ntheorem}
13672 \bidi@isloaded{ntheorem-hyper}
13673 \bidi@isloaded{hyperref}
13674 \bidi@isloaded{fancybox}
13675 \bidi@isloaded{fancyhdr}
13676 \bidi@isloaded{fix2col}
13677 \bidi@isloaded{draftwatermark}
13678 \bidi@isloaded{empheq}
13679 \bidi@isloaded{overpic}
13680 \bidi@isloaded{pdfpages}
13681 \bidi@isloaded{listings}
13682 \bidi@isloaded{lettrine}
13683 \bidi@isloaded{lineno}
13684 \bidi@isloaded{media9}
13685 \bidi@isloaded{pstricks}
13686 \bidi@isloaded{pgf}
13687 \bidi@isloaded{picinpar}
13688 \bidi@isloaded{quotchap}
13689 \bidi@isloaded{tikz}
13690 \bidi@isloaded{titlesec}
13691 \bidi@isloaded{titletoc}
13692 \bidi@isloaded{array}
13693 \bidi@isloaded{soul}
13694 \bidi@isloaded{stabular}
13695 \bidi@isloaded{subfig}
13696 \bidi@isloaded{subfigure}
13697 \bidi@isloaded{supertabular}
13698 \bidi@isloaded{xtab}
13699 \bidi@isloaded{longtable}
13700 \bidi@isloaded{arydshln}
13701 \bidi@isloaded{multicol}

```



```

13702 \bidi@isloaded{multienum}
13703 \bidi@isloaded{minitoc}
13704 \bidi@isloaded{natbib}
13705 \bidi@isloaded{newfloat}
13706 \bidi@isloaded{ragged2e}
13707 \bidi@isloaded{rotating}
13708 \bidi@isloaded{tbls}
13709 \bidi@isloaded{tabulary}
13710 \bidi@isloaded{tocbasic}
13711 \bidi@isloaded{tocstyle}
13712 \bidi@isloaded{tocbibind}
13713 \bidi@isloaded{fontspec}
13714 \bidi@isloaded{arabxetex}
13715 \bidi@isloaded{polyglossia}
13716 \bidi@isloaded{fancyvrb}
13717 \AtBeginDocument{
13718   \if@bidi@amsmathloaded@ \else
13719     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi pack
13720   \fi%
13721   \if@bidi@amstextloaded@ \else
13722     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi pack
13723   \fi%
13724   \if@bidi@amsthmloaded@ \else
13725     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi packa
13726   \fi%
13727   \if@bidi@animateloaded@ \else
13728     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi pack
13729   \fi%
13730   \if@bidi@breqnloaded@ \else
13731     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi packag
13732   \fi%
13733   \if@bidi@calsloaded@ \else
13734     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package
13735   \fi%
13736   \if@bidi@captionloaded@ \else
13737     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi pack
13738   \fi%
13739   \if@bidi@croplloaded@ \else
13740     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package
13741   \fi%
13742   \if@bidi@colorloaded@ \else
13743     \@ifpackageloaded{hyperref}{\fi}%
13744     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi packag
13745   \fi%
13746   \if@bidi@cutwinloaded@ \else
13747     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi packa
13748   \fi%
13749     \if@bidi@cutedloaded@ \else
13750       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi packag
13751     \fi%
13752     \if@bidi@dblfnoteloaded@ \else
13753       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi pac
13754     \fi%
13755     \if@bidi@diagboxloaded@ \else

```



```

13756 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi pack
13757 \fi%
13758 \if@bidi@xcolorloaded@else
13759 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi packa
13760 \fi%
13761 \if@bidi@colortblloaded@else
13762 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi pac
13763 \fi%
13764 \if@bidi@floatloaded@else
13765 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi packag
13766 \fi%
13767 \if@bidi@floatrowloaded@else
13768 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi pac
13769 \fi%
13770 \if@bidi@flowframloaded@else
13771 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi pac
13772 \fi%
13773 \if@bidi@framedloaded@else
13774 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packa
13775 \fi%
13776 \if@bidi@ftnrightloaded@else
13777 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi pac
13778 \fi%
13779 \if@bidi@xltxtraloaded@else
13780 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi pack
13781 \fi%
13782 \if@bidi@xunicodeloaded@else
13783 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi pac
13784 \fi%
13785 \if@bidi@wrapfigloaded@else
13786 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi pack
13787 \fi%
13788 \if@bidi@graphicxloaded@else
13789 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi pac
13790 \fi%
13791 \if@bidi@geometryloaded@else
13792 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi pac
13793 \fi%
13794 \if@bidi@hvfloatloaded@else
13795 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi pack
13796 \fi%
13797 \if@bidi@mdframedloaded@else
13798 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi pac
13799 \fi%
13800 \if@bidi@midfloatloaded@else
13801 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi pac
13802 \fi%
13803 \if@bidi@ntheoremloaded@else
13804 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi pac
13805 \fi%
13806 \if@bidi@hyperrefloaded@else
13807 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi pac
13808 \fi%
13809 \if@bidi@fancyboxloaded@else

```




```

13810 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi pac
13811 \fi%
13812 \if@bidi@fancyhdrloaded@else
13813 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi pac
13814 \fi%
13815 \if@bidi@draftwatermarkloaded@else
13816 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bi
13817 \fi%
13818 \if@bidi@empheqloaded@else
13819 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi packa
13820 \fi%
13821 \if@bidi@overpicloaded@else
13822 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi pack
13823 \fi%
13824 \if@bidi@pdfpagesloaded@else
13825 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi pac
13826 \fi%
13827 \if@bidi@lettrineloaded@else
13828 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi pac
13829 \fi%
13830 \if@bidi@linenoloaded@else
13831 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packa
13832 \fi%
13833 \if@bidi@listingsloaded@else
13834 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi pac
13835 \fi%
13836 \csname if@bidi@media9loaded@endcsname\else
13837 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packa
13838 \fi%
13839 \if@bidi@pstricksloaded@else
13840 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi pac
13841 \fi%
13842 \if@bidi@pgfloaded@else
13843 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
13844 \fi%
13845 \if@bidi@picinparloaded@else
13846 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi pac
13847 \fi%
13848 \if@bidi@quotchaploaded@else
13849 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi pac
13850 \fi%
13851 \if@bidi@tikzloaded@else
13852 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package
13853 \fi%
13854 \if@bidi@titlesecloaded@else
13855 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi pac
13856 \fi%
13857 \if@bidi@titletocloaded@else
13858 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi pac
13859 \fi%
13860 \if@bidi@arrayloaded@else
13861 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi packag
13862 \fi%
13863 \if@bidi@stabularloaded@else

```



```

13864 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi pac
13865 \fi%
13866 \if@bidi@soulloaded@else
13867 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package
13868 \fi%
13869 \if@bidi@subfigloaded@else
13870 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi packa
13871 \fi%
13872 \if@bidi@subfigureloaded@else
13873 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pa
13874 \fi%
13875 \if@bidi@supertabularloaded@else
13876 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi
13877 \fi%
13878 \if@bidi@xtabloaded@else
13879 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package
13880 \fi%
13881 \if@bidi@longtableloaded@else
13882 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pa
13883 \fi%
13884 \if@bidi@arydshnloaded@else
13885 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshn after bidi pac
13886 \fi%
13887 \if@bidi@multicolloaded@else
13888 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi pac
13889 \fi%
13890 \if@bidi@multienumloaded@else
13891 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pa
13892 \fi%
13893 \if@bidi@minitocloaded@else
13894 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi pack
13895 \fi%
13896 \if@bidi@natbibloaded@else
13897 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi packa
13898 \fi%
13899 \if@bidi@newfloatloaded@else
13900 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi pac
13901 \fi%
13902 \csname if@bidi@ragged2eloaded@endcsname\else
13903 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi pac
13904 \fi%
13905 \if@bidi@rotatingloaded@else
13906 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi pac
13907 \fi%
13908 \if@bidi@tblsloaded@else
13909 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi packag
13910 \fi%
13911 \if@bidi@tabularyloaded@else
13912 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi pac
13913 \fi%
13914 \if@bidi@tocbasicloaded@else
13915 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi pac
13916 \fi%
13917 \if@bidi@tocstyleloaded@else

```



```

13918 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tostyle after bidi pac
13919 \fi%
13920 \if@bidi@tocbibindloaded@else
13921 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pa
13922 \fi%
13923 \if@bidi@fontspecloaded@else
13924 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pac
13925 \fi%
13926 \if@bidi@arabxetexloaded@else
13927 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pa
13928 \fi%
13929 \if@bidi@polyglossialoaded@else
13930 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi
13931 \fi%
13932 \if@bidi@fancyvrbloaded@else
13933 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pac
13934 \fi%
13935 }

```

79 File longtable-xetex-bidi.def

```

13936 \ProvidesFile{longtable-xetex-bidi.def}[2019/01/19 v0.5 bidi adaptations for longtable packa
13937 \def\LT@array[#1]#2{%
13938 \refstepcounter{table}\stepcounter{LT@tables}%
13939 \if l#1%
13940 \if@RTLtab\LTleft\fill \LTright\z@else\LTleft\z@ \LTright\fill\fi
13941 \else\if r#1%
13942 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13943 \else\if c#1%
13944 \LTleft\fill \LTright\fill
13945 \fi\fi\fi
13946 \let\LT@mc\multicolumn
13947 \let\LT@@tabarray\@tabarray
13948 \let\LT@@hl\hline
13949 \def\@tabarray{%
13950 \let\hline\LT@@hl
13951 \LT@@tabarray}%
13952 \let\LT@tabularcr\let\@tabularnewline\%
13953 \def\newpage{\noalign{\break}}%
13954 \def\pagebreak{\noalign{\ifnum`=0\fi\@testopt{\LT@no@pgbk-}4}}%
13955 \def\nopagebreak{\noalign{\ifnum`=0\fi\@testopt{\LT@no@pgbk4}}%
13956 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13957 \let\@tempdima\ht\strutbox
13958 \let\@endpbox\LT@endpbox
13959 \ifx\extrarowheight\@undefined
13960 \let\@acol\@tabacol
13961 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13962 \def\@startpbox{\vtop\LT@startpbox}%
13963 \let\@@startpbox\@startpbox
13964 \let\@@endpbox\@endpbox
13965 \let\LT@LL@FM@cr\@tabularcr
13966 \else
13967 \advance\@tempdima\extrarowheight
13968 \col@sep\tabcolsep

```



```

13969 \let\startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13970 \fi
13971 \setbox\@arstrutbox\hbox{\vrule
13972 \@height \arraystretch \@tempdima
13973 \@depth \arraystretch \dp \strutbox
13974 \@width \z@}%
13975 \let\@sharp#\let\protect\relax
13976 \begingroup
13977 \mkpream{#2}%
13978 \xdef\LT@bchunk{%
13979 \global\advance\c@LT@chunks\@ne
13980 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13981 \LT@setprevdepth
13982 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13983 \tabskip\z@ \@arstrut \@preamble \tabskip\LTright \cr}%
13984 \endgroup
13985 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13986 \LT@make@row
13987 \m@th\let\par\@empty
13988 \everycr{}\lineskip\z@\baselineskip\z@
13989 \LT@bchunk}
13990 \def\LT@makecaption#1#2#3{%
13991 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
13992 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13993 \ifdim\wd\@tempboxa>\hsize
13994 #1{#2: }#3%
13995 \else
13996 \hbox to\hsize{\hfil\box\@tempboxa\hfil}}%
13997 \fi
13998 \endgraf\vskip\baselineskip}%
13999 \hss}}
14000 \ifpackageloaded{caption}{%
14001 \renewcommand\LT@makecaption[3]{%
14002 \caption@LT@make{%
14003 \caption@settype*\LTcaptype
14004 \ifdim\LTcapwidth=4in \else
14005 \setcaptionwidth\LTcapwidth
14006 \fi
14007 \caption@setoptions{longtable}%
14008 \caption@setoptions{@longtable}%
14009 \caption@LT@setup
14010 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
14011 \caption@startrue#1\caption@starfalse
14012 \caption@prepare@stepcounter\LTcaptype{LT}%
14013 \caption@begin\LTcaptype
14014 \caption@normalsize
14015 \vskip-\ht\strutbox
14016 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
14017 \caption@@make{#2}{#3}\endgraf
14018 \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
14019 \caption@end}}%
14020 }{}
14021 \def\LT@startpbox#1{%
14022 \bgroup\color@begingroup

```



```

14023 \let\@footnotetext\LT@p@ftntext
14024 \let\@LTRfootnotetext\LT@p@LTRftntext
14025 \let\@RTLfootnotetext\LT@p@RTLftntext
14026 \setlength\hsize{#1}%
14027 \arrayparboxrestore
14028 \vrule \@height \ht\@arstrutbox \@width \z@}
14029 \def\LT@p@LTRftntext#1{%
14030 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
14031 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
14032 \def\LT@p@RTLftntext#1{%
14033 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
14034 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
14035
14036
14037 \def\LT@output{%
14038 \ifnum\outputpenalty <-\@Mi
14039 \ifnum\outputpenalty > -\LT@end@pen
14040 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
14041 \else
14042 \setbox\z@\vbox{\unvbox\@cclv}%
14043 \ifdim \ht\LT@lastfoot>\ht\LT@foot
14044 \dimen@ \pagegoal
14045 \advance\dimen@-\ht\LT@lastfoot
14046 \ifdim\dimen@<\ht\z@
14047 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
14048 \@makecol
14049 \@outputpage
14050 \setbox\z@\vbox{\box\LT@head}%
14051 \fi
14052 \fi
14053 \global\@colroom\@colht
14054 \global\vsizel\@colht
14055 \vbox
14056 {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
14057 \fi
14058 \else
14059 \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
14060 \@makecol
14061 \@outputpage
14062 \global\vsizel\@colroom
14063 \copy\LT@head\nobreak
14064 \fi}

```

80 File `lscape-xetex-bidi.def`

```

14065 \ProvidesFile{lscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for lscape package for
14066 \bidi@patchcmd{\LS@rot}{\rotatebox{90}{\box\@outputbox}}{%
14067 \if@RTL
14068 \rotatebox[origin=br]{-90}{\box\@outputbox}%
14069 \else
14070 \rotatebox{90}{\box\@outputbox}%
14071 \fi
14072 }{}{}
14073 \g@addto@macro{\landscape}{%

```



```

14074 \let\bidil@left@footnoterule\left@footnoterule
14075 \let\bidil@right@footnoterule\right@footnoterule
14076 \def\left@footnoterule{%
14077   \if@RTL
14078     \bidil@right@footnoterule
14079   \else
14080     \bidil@left@footnoterule
14081   \fi
14082 }%
14083 \def\right@footnoterule{%
14084   \if@RTL
14085     \bidil@left@footnoterule
14086   \else
14087     \bidil@right@footnoterule
14088   \fi
14089 }%
14090 }

```

81 File mathtools-xetex-bidi.def

```

14091 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools packa
14092 \MHInternalSyntaxOn
14093 \def\MT_define_tagform:nwnn #1[#2]#3#4{
14094   \@namedef{MT_tagform_#1:n}##1
14095   {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@ \ignorespaces#2{##1}\unskip\@italiccorr#4}
14096 }
14097 \renewtagform{default}{\{()\}}
14098 \MHInternalSyntaxOff

```

82 File mdframed-xetex-bidi.def

```

14099 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package
14100 \newif\if@bidi@mdf@RTL
14101 \def\mdf@l@rbox#1{%
14102   \mdf@patchamsthm\patch amsthm
14103   \if@RTL\@bidi@mdf@RTLtrue\fi%
14104   \@RTLfalse%
14105   \setbox#1\vbox\bgroup%
14106   \color@begingroup%
14107   \if@bidi@mdf@RTL\@RTLtrue\fi%
14108   \mdf@horizontalmargin@equation%
14109   \columnwidth=\hsize%
14110   \textwidth=\hsize%
14111   \let\if@nobreak\iffalse%
14112   \let\if@noskipsec\iffalse%
14113   \let\par\@par%
14114   \let\-\@dischyph%
14115   \let'\@acci\let\` \@accii\let\=\@acciii%
14116   \parindent\z@ \parskip\z@skip%
14117   \linewidth\hsize%
14118   \@totalleftmargin\z@%
14119   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
14120   \parfillskip\@flushglue \lineskip\normallineskip%
14121   \baselineskip\normalbaselineskip%

```



```

14122 %% \sloppy%
14123 \let\\\@normalcr%
14124 \mdf@par@local%New feature to restore parskip/parindent local in save box
14125 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
14126 \@afterindentfalse%
14127 %\@afterheading%
14128 }
14129 \renewrobustcmd\mdfframedtitleenv[1]{%
14130 \mdf@lrbox{\mdf@frametitlebox}%
14131 \mdf@frametitlealignment%
14132 \leavevmode{\color{\mdf@frametitlefontcolor}%
14133 \normalfont\mdf@frametitlefont{#1}
14134 \ifbool{mdf@ignorelastdescenders}%
14135 {%
14136 \par\strut\par
14137 \unskip\unskip\setbox0=\lastbox
14138 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
14139 }{}}%
14140 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
14141 \endmdf@lrbox\relax%
14142 \mdf@ignorevbadness%
14143 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
14144 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
14145 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
14146 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
14147 \mdfframetitleboxtotalheight=\dimexpr
14148 \ht\mdf@frametitlebox
14149 +\dp\mdf@frametitlebox%
14150 +\mdf@frametitleaboveskip@length
14151 +\mdf@frametitlebelowskip@length
14152 \relax%
14153 }
14154
14155 \renewrobustcmd*\mdf@footnoteoutput{%
14156 \ifvoid\@mpfootins\else%
14157 \nobreak%
14158 \vskip\mdf@footnotedistance@length%
14159 \normalcolor%
14160 \bidi@mpfootnoterule%
14161 \unvbox\@mpfootins%
14162 \fi%
14163 }
14164
14165
14166 \renewrobustcmd*\mdf@footnoteinput{%
14167 \def\@mpfn{mpfootnote}%
14168 \def\thempfn{\thempfootnote}%
14169 \c@mpfootnote\z@%
14170 \let\@footnotetext\@mpfootnotetext%
14171 \let\@LTRfootnotetext\@mpLTRfootnotetext%
14172 \let\@RTLfootnotetext\@mpRTLfootnotetext%
14173 }

```



83 File bidi-media9.sty

```

14174 \ProvidesExplPackage{bidi-media9}{2022/02/18}{0.4}
14175 {bidi fixes for media9 package for the XeTeX engine}
14176
14177 \keys_define:nn{media9/mbtn}{
14178   draft .code:n = {},
14179   final .code:n = {},
14180
14181   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
14182   tooltip .value_required:n = {true},
14183
14184   overface .code:n = {
14185     \sbox\l_mix_poster_box{
14186       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
14187       \mix_pdfxform:n{\l_mix_poster_box}
14188       \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
14189     },
14190     overface .value_required:n = {true},
14191
14192     downface .code:n = {
14193       \sbox\l_mix_poster_box{
14194         \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}
14195         \mix_pdfxform:n{\l_mix_poster_box}
14196         \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
14197       },
14198       downface .value_required:n = {true},
14199
14200       3Dgotoview .code:n = {
14201         \tl_set:Nx\l_tmpa_tl{#1} %extract ref
14202         \regex_replace_once:nnN{([~:~]+):??.*}{\1}\l_tmpa_tl
14203         \tl_trim_spaces:N\l_tmpa_tl
14204         \tl_if_exist:cTF{ann@\l_tmpa_tl}{
14205           \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
14206             \tl_set:Nx\l_tmpb_tl{#1} %extract idx
14207             \regex_replace_once:nnN{[~:~]+:??}{\1}\l_tmpb_tl
14208             \tl_trim_spaces:N\l_tmpb_tl
14209             \tl_if_blank:VF\l_tmpb_tl{
14210               \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
14211                 \tl_set:Nx\l_mix_vidx_tl{/~\l_tmpb_tl}
14212               }{
14213                 \regex_match:nVTF{^~d+$}\l_tmpb_tl{
14214                   \tl_set:Nx\l_mix_vidx_tl{~\l_tmpb_tl}
14215                 }{
14216                   \regex_replace_once:nnN{^(\s*)}{\1}\l_tmpb_tl
14217                   \regex_replace_once:nnN{(\s*)$}{\1}\l_tmpb_tl
14218                   \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
14219                 }
14220               }
14221             }
14222             \mix_pdfobj:nnn{}{dict}{
14223               /S/JavaScript/JS~(
14224                 if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14225                 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){

```




```

14226         annotRM['\l_tmpa_tl']=
14227         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
14228     }
14229     annotRM['\l_tmpa_tl'].activated=true;
14230 )
14231 \tl_if_blank:VF\l_tmpb_tl{
14232     /Next~<<
14233     /S/GoTo3DView
14234     /TA~\tl_use:c{ann@\l_tmpa_tl}
14235     /V\l_mix_vidx_tl
14236     >>
14237 }
14238 }
14239 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
14240 }
14241 ){
14242     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
14243     \cs_if_exist:NF\g_mix_refundefwarned_tl{
14244         \tl_new:N\g_mix_refundefwarned_tl
14245         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
14246     }
14247 }
14248 },
14249 3Dgotoview .value_required:n = {true},
14250
14251 mediacommand .code:n = {
14252     \tl_set:Nx\l_tmpa_tl{#1}
14253     \regex_replace_once:nnN{([~:])+}??.*}{\1}\l_tmpa_tl %extract ref
14254     \tl_trim_spaces:N\l_tmpa_tl
14255     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
14256         \str_if_eq:eeF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
14257             \tl_set:Nx\l_tmpb_tl{#1}
14258             \regex_replace_once:nnN{([~:])+~?}{\1}\l_tmpb_tl
14259             \tl_trim_spaces:N\l_tmpb_tl
14260             \regex_replace_all:nnN{^{\|\\}$}{\1}\l_tmpb_tl
14261             \tl_set:Nx\l_mix_cmd_tl{
14262                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
14263             \tl_trim_spaces:N\l_mix_cmd_tl
14264             \tl_set:Nx\l_mix_arg_tl{
14265                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
14266             \tl_trim_spaces:N\l_mix_arg_tl
14267             \mix_pdfobj:nnn{}{dict}{
14268                 /S/JavaScript/JS~(
14269                     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14270                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
14271                         annotRM['\l_tmpa_tl']=
14272                         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
14273                     }
14274                     annotRM['\l_tmpa_tl'].activated=true;
14275                 )
14276                 \tl_if_blank:VF\l_mix_cmd_tl{
14277                     /Next~<<
14278                     /S/RichMediaExecute
14279                     /TA~\tl_use:c{ann@\l_tmpa_tl}

```



```

14280         /TI~\tl_use:c{main@\l_tmpa_tl}
14281         /CMD~<<
14282         /C~(\l_mix_cmd_tl)
14283         \tl_if_blank:VF\l_mix_arg_tl{
14284         /A~[\l_mix_arg_tl]
14285         }
14286         >>
14287     >>
14288     }
14289 }
14290 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
14291 }
14292 ){
14293     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
14294     \cs_if_exist:NF\g_mix_refundefwarned_tl{
14295         \tl_new:N\g_mix_refundefwarned_tl
14296         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
14297     }
14298 }
14299 },
14300 mediacommand .value_required:n = {true},
14301
14302 jsaction .code:n = {
14303     \tl_set:Nx\l_tmpa_tl{#1}
14304     \regex_match:nVTF{^[^{}:]+.*$}\l_tmpa_tl{
14305         \regex_replace_once:nnN{([~:])+}??.*}{\1}\l_tmpa_tl %extract ref
14306         \tl_trim_spaces:N\l_tmpa_tl
14307     }\tl_clear:N\l_tmpa_tl}
14308     \tl_set:Nx\l_tmpb_tl{#1}
14309     \tl_if_blank:VF\l_tmpa_tl{
14310         \tl_if_exist:cF{ann@\l_tmpa_tl}{
14311             \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
14312             \cs_if_exist:NF\g_mix_refundefwarned_tl{
14313                 \tl_new:N\g_mix_refundefwarned_tl
14314                 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
14315             }
14316         }
14317         \regex_replace_once:nnN{[~:]+\:}{\}\l_tmpb_tl
14318     }
14319     \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
14320     \tl_trim_spaces:N\l_tmpb_tl
14321     \tl_if_blank:VF\l_tmpb_tl{
14322         \mix_pdfobj:nnn{}{dict}{
14323             /S/JavaScript/JS~(
14324                 try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
14325         \bool_lazy_and:nnT{
14326             \tl_if_exist_p:c{ann@\l_tmpa_tl}
14327         }{
14328             !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
14329         }{
14330             \mix_pdfobj:nnn{}{dict}{
14331                 /S/JavaScript/JS~(
14332                     if (typeof(annotRM)=='undefined'){annotRM=new~Array();}
14333                     if (typeof(annotRM['\l_tmpa_tl'])=='undefined'){

```



```

14334         annotRM['\l_tmpa_tl']=
14335             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
14336     }
14337     annotRM['\l_tmpa_tl'].activated=true;
14338 )
14339 \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
14340 }
14341 }
14342 \bool_if:nT{
14343     \bool_lazy_and_p:nn{
14344         \tl_if_exist_p:c{ann@\l_tmpa_tl}
14345     }{
14346         !\str_if_eq_p:ee{\tl_use:c{ann@\l_tmpa_tl}}{draft}
14347     }
14348     || !\tl_if_blank_p:V\l_tmpb_tl
14349 }{
14350     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
14351 }
14352 },
14353 jsaction .value_required:n = {true},
14354
14355 unknown .code:n = {
14356     \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
14357 }
14358 }
14359
14360 \RenewDocumentCommand\includemedia{0{mm}}{%#1 options, #2 text/image #3 media file
14361     \mix_uriend:
14362     \group_begin:
14363     \mix_beginLTR:
14364     \mode_leave_vertical:
14365     %empty stream as appearance dummy
14366     \cs_if_exist:NF\g_mix_appearance_tl{
14367         \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
14368         \mix_pdfxform:n{\l_mix_poster_box}
14369         \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
14370     }
14371     \mix_reset:
14372     \mix_urbegin: %treat URI characters correctly
14373     \keys_set:nn{media9/user}{#1}
14374     \mix_uriend:
14375     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
14376     \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
14377     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
14378     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~}{=}
14379     \tl_gtrim_spaces:N\g_mix_flashvars_tl
14380
14381     \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
14382
14383     %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
14384     %\hbox_set:Nn\l_mix_poster_box{#2}
14385     \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14386     \mix_scale:n{\l_mix_poster_box}
14387     \bool_if:nT{

```



```

14388 \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
14389 \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
14390 }{
14391 \tl_gset:Nn\g_mix_usrpbtn_tl{none}
14392 }
14393 \bool_if:NTF\g_mix_usrdraft_bool{
14394 \tl_if_empty:NF\g_mix_usrlabel_tl{
14395 \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
14396 }
14397 \tl_if_blank:oTF{#2}{
14398 \mix_uribegin: %treat URI characters correctly
14399 \mix_draftbox:n{\tl_to_str:n{#3}}
14400 \mix_uriend:
14401 }{
14402 \hbox_to_wd:nn{\g_mix_wd_tl}{
14403 \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
14404 \box_use:N\l_mix_poster_box\hss
14405 }
14406 }
14407 }{
14408 \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
14409 %attach script that switches off play button overlay upon activation
14410 \mix_pdfobj:nnn{}{stream}{
14411 {}{
14412 var~ocgs=host.getOCGs(host.pageNum);
14413 for(var~i=0;i<ocgs.length;i++){
14414 if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14415 ocgs[i].state=false;
14416 }
14417 }
14418 }
14419 }
14420 \mix_pdfobj:nnn{}{dict}{
14421 /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
14422 }
14423 \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
14424 \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
14425 %enforce plain playbutton overlay for XeTeX
14426 \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
14427 }
14428 %embed main asset
14429 \mix_uribegin:
14430 \mix_embedasset:n{#3}
14431 \bool_if:nTF{
14432 \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
14433 }{
14434 \bool_gset_true:N\g_mix_iiid_bool
14435 \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
14436 }{
14437 \str_case_e:nnF{\l_mix_base_tl}{
14438 {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14439 {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14440 {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14441 {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}

```



```

14442     {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetstl{Video}}
14443   }{\tl_gset:Nn\g_mix_mainassetstl{Flash}}
14444 }
14445 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
14446 \mix_uriend:
14447 %secondary assets (added by addresource)
14448 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
14449 \seq_map_inline:Nn\g_mix_script_seq{
14450   \mix_embedasset:n{##1}
14451   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
14452 }
14453 %attach 3D calculation script
14454 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
14455   \mix_embedasset:n{3Dmenu.js}
14456   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
14457 }
14458 %create 3D views from file (option 3Dviews)
14459 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
14460   \tl_set:Nn\l_mix_level_tl{-1}
14461   \int_zero:N\l_mix_viewcnt_int
14462   \int_zero:N\l_mix_lineno_int
14463
14464   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
14465   \ior_map_inline:Nn\l_mix_vfile_stream{
14466     \int_incr:N\l_mix_lineno_int
14467     \keys_set:nn{media9/views}{##1} %process input line
14468   }
14469   \ior_close:N\l_mix_vfile_stream
14470 }
14471 \bool_if:nT{ %create default 3D view if required
14472   \g_mix_iiid_bool &&
14473   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
14474 }{
14475   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
14476   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
14477   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
14478   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
14479   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
14480   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
14481   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
14482
14483   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
14484   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
14485   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
14486   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
14487
14488   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
14489   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
14490   \tl_clear:N\l_mix_naarray_tl
14491
14492   \bool_if:NF\l_mix_ciiw_bool{
14493     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
14494     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
14495   }

```



```

14496      \tl_clear:N\l_mix_naarray_tl
14497      \tl_clear:N\l_mix_saarray_tl
14498      \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
14500
14501      \mix_view:n{Default}
14502      \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
14503
14504    }
14505    \mix_pdfobj:nnn{}{dict}{
14506      /Type/RichMediaInstance
14507      /Subtype/\g_mix_mainassetsub_tl
14508      /Asset~\g_mix_mainasset_tl
14509      \bool_if:NF\g_mix_iiid_bool{
14510        /Params~<<
14511          /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
14512            /Foreground
14513          }{
14514            /Background
14515          }
14516          \tl_if_blank:VF\g_mix_flashvars_tl{
14517            /FlashVars~(\g_mix_flashvars_tl)
14518          }
14519        >>
14520      }
14521    }
14522    \tl_if_empty:NF\g_mix_usrlabel_tl{
14523      \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
14524    }
14525    \mix_pdfobj:nnn{}{dict}{
14526      /Type/RichMediaConfiguration
14527      /Subtype/\g_mix_mainassetsub_tl
14528      /Instances~[\mix_pdflastobj:]
14529    }
14530    \mix_pdfobj:nnn{}{dict}{
14531      /Type/RichMediaContent
14532      /Assets~<</Names~[\g_mix_assets_tl]>>
14533      /Configurations~[\mix_pdflastobj:]
14534      \bool_if:nT{
14535        \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14536      }{
14537        /Views~[\l_mix_iiidviewarray_tl]
14538      }
14539    }
14540    \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14541    \bool_if:nT{
14542      \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
14543    }{
14544      \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14545    }
14546    %determine floating window size
14547    \bool_if:NT\g_mix_opt_windowed_bool{
14548      \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14549    }

```



```

14550 \mix_pdfobj:nnn{}{dict}{
14551 /Activation~<<
14552 /Condition\g_mix_act_tl
14553 \bool_if:nT{
14554 \g_mix_iiid_bool &&
14555 !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14556 }{%seems to work only with 3D content
14557 /Animation~<<
14558 /Subtype/\g_mix_playtpe_tl
14559 /PlayCount~\g_mix_playcnt_tl
14560 /Speed~\g_mix_playspd_tl
14561 >>
14562 }
14563 \bool_if:nT{
14564 \g_mix_iiid_bool && (
14565 \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14566 )
14567 }{/View~\l_mix_dfltview_tl}
14568 /Presentation~<<
14569 /Transparent~\g_mix_transp_tl
14570 \bool_if:NTF\g_mix_opt_windowed_bool{
14571 /Style/Windowed
14572 /Window~<<
14573 /Width~<</Default~\tl_mix_fltd>>
14574 /Height~<</Default~\tl_mix_fltht>>
14575 /Position~<<
14576 /HOffset~0/VOffset~0
14577 \str_case_e:nnF{\g_mix_winpos_tl}{
14578 {tl}{/VAlign/Near/HAlign/Near}
14579 {cl}{/VAlign/Center/HAlign/Near}
14580 {bl}{/VAlign/Far/HAlign/Near}
14581 {bc}{/VAlign/Far/HAlign/Center}
14582 {br}{/VAlign/Far/HAlign/Far}
14583 {cr}{/VAlign/Center/HAlign/Far}
14584 {tr}{/VAlign/Near/HAlign/Far}
14585 {tc}{/VAlign/Near/HAlign/Center}
14586 }{/HAlign/Center/VAlign/Center}
14587 >>
14588 >>
14589 }{
14590 /Style/Embedded
14591 }
14592 \bool_if:NTF\g_mix_iiid_bool{
14593 /Toolbar~\g_mix_tools_tl
14594 /NavigationPane~\g_mix_nav_tl
14595 }{
14596 /PassContextClick~\g_mix_contextclick_tl
14597 }
14598 >>
14599 \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14600 >>
14601 /Deactivation~<</Condition\g_mix_deact_tl>>
14602 }
14603 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}

```



```

14604 \tl_if_empty:NF\g_mix_usrlabel_tl{
14605   \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14606 }
14607 % #1:width, #2:height, #3:depth, #4:content (key-value)
14608 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14609   /Subtype/RichMedia
14610   /F~4
14611   /BS~<</W~0/S/S>>
14612   /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14613   /NM~(\g_mix_label_tl)
14614   /AP~<</N~\g_mix_appearance_tl>>
14615   /RichMediaSettings~\l_mix_settings_tl
14616   /RichMediaContent~\l_mix_content_tl
14617 }
14618 \tl_if_empty:NF\g_mix_usrlabel_tl{
14619   \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14620   \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14621     \noexpand\the\g@mix@page@int}
14622 }
14623 \mix_pdfobj:nnn{}{dict}{
14624   /S/JavaScript/JS~(
14625     try{
14626       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14627       if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14628         annotRM['\g_mix_label_tl']=
14629           this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14630       }
14631       \str_if_eq:eeF{\g_mix_usrpbtn_tl}{none}{
14632         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14633           var~ocgs=this.getOCGs(this.pageNum);
14634           for(var~i=0;i<ocgs.length;i++){
14635             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14636               var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14637             }
14638           }
14639         }
14640         if(
14641           !annotRM['\g_mix_label_tl'].activated&&(
14642             app.viewerType=='Reader' ||
14643             app.viewerType=='Exchange' ||
14644             app.viewerType=='Exchange-Pro'
14645           )&&app.viewerVersion>=9
14646         ){
14647           ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14648         }
14649       }
14650     }catch(e){}
14651     this.dirty=false;
14652   )
14653 }
14654 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14655   /Subtype/Widget
14656   /FT/Btn/Ff~65537/F~2
14657   /BS~<</W~0>>

```




```

14658 /T~(fd@\g_mix_label_tl)
14659 /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14660 }
14661 \mix_appendtofields:n{\mix_pdflastann:}
14662 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14663 \str_if_eq:eeTF{\g_mix_usrpbtn_tl}{none}{
14664   \hbox_to_wd:nn{\g_mix_wd_tl}{
14665     \vrule-width~\c_zero_dim-height~\g_mix_ht_tl-depth~\g_mix_dp_tl\hss
14666   }
14667 }{%insert play button overlay
14668   \mix_insert_btnocg: %create OCG
14669   \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14670   \group_begin:
14671   \cs_if_exist:NT\textdir{\textdir TLT}
14672   \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14673   \box_move_down:nn{\g_mix_dp_tl}{
14674     \hbox_to_wd:nn{\g_mix_wd_tl}{
14675       \vbox_to_ht:nn{\g_mix_tt_tl}{
14676         \vss
14677         \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14678         \box_use:N\l_mix_pbtn_box
14679         \ocgbase_oc_emc:
14680       }
14681     }
14682   }
14683   \group_end:
14684 }
14685 \int_gincr:N\g_mix_rmcnt_int
14686 }
14687 \mix_endLTR:
14688 \group_end:
14689 }
14690 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14691 \tl_set:Nn\includemediaf\mix_uribegin:\l_mix_includemedia_tl}
14692
14693 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
14694   \mix_uribend:
14695   \group_begin:
14696   \mix_beginLTR:
14697   \mode_leave_vertical:
14698   %reset various variables
14699   \tl_gclear:N\g_mix_overbtn_tl
14700   \tl_gclear:N\g_mix_downbtn_tl
14701   \tl_gclear:N\g_mix_btnactions_tl
14702   \tl_gclear:N\g_mix_tooltip_tl
14703   %process options
14704   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14705   \mix_uribegin: %treat URI characters correctly
14706   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14707   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14708   \mix_uribend:
14709   %normal button appearance
14710   %\hbox_set:Nn\l_mix_poster_box{#2}
14711   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}

```



```

14712 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14713 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
14714 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14715 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14716   \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
14717     \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14718   \mix_pdfxform:n{\l_mix_poster_box}
14719   \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14720   %insert widget annotation
14721   \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14722     /Subtype/Widget
14723     /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14724     \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14725     /FT/Btn/Ff~65536
14726     \tl_if_empty:NF\g_mix_downbtn_tl{/H/I}{/H/P}
14727     /AP~<<
14728     /N~\g_mix_normalbtn_tl
14729     \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14730     \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14731     >>
14732     /MK~<<
14733     /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14734     /I~\g_mix_normalbtn_tl
14735     \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14736     \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14737     >>
14738     /A~<<
14739     /S/JavaScript/JS~(app.focusRect=false;)
14740     %sequence of actions to perform
14741     \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14742     >>
14743   }
14744   \mix_appendtofields:n{\mix_pdflastann:}
14745   \hbox_to_wd:nn{\width}{
14746     \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14747   }
14748   \int_gincr:N\g_mix_mbtncnt_int
14749 }
14750 \mix_endLTR:
14751 \group_end:
14752 }
14753 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14754 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
14755

```

84 File memoir-xetex-bidi.def

```

14756 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for X
14757 \renewcommand{\keepthetitle}{%
14758   \@bsmtitleempty
14759   \global\let\thanks\relax
14760   \global\let\LTRthanks\relax
14761   \global\let\RTLthanks\relax
14762   \global\let\and\relax

```



```

14763 \global\let\andnext\relax
14764 \global\let\@thanks\@empty
14765 \global\let\@title\@empty
14766 \global\let\@author\@empty
14767 \global\let\@date\@empty}
14768 \renewcommand{\maketitle}{\par
14769 \begin{group}
14770 \@bsmarkseries
14771 \def\@makefnmark{\@textsuperscript{%
14772 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
14773 \long\def\@makefntext##1{\makethanksmark ##1}
14774 \if@twocolumn
14775 \ifnum \col@number=\@ne
14776 \@maketitle
14777 \else
14778 \twocolumn[\@maketitle]%
14779 \fi
14780 \else
14781 \ifdim\pagetotal>\z@
14782 \newpage
14783 \fi
14784 \global\@topnum\z@
14785 \@maketitle
14786 \fi
14787 \thispagestyle{title}\@thanks
14788 \end{group}
14789 \@bscontmark % \setcounter{footnote}{0}%
14790 }
14791 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
14792 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
14793 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
14794 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
14795 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14796 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14797 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14798 \renewcommand*{\thesubsection}{%
14799 \thesection\@SepMark\@arabic\c@subsection}
14800 \renewcommand*{\thesubsubsection}{%
14801 \thesubsection\@SepMark\@arabic\c@subsubsection}
14802 \renewcommand*{\theparagraph}{%
14803 \thesubsubsection\@SepMark\@arabic\c@paragraph}
14804 \renewcommand*{\thesubparagraph}{%
14805 \theparagraph\@SepMark\@arabic\c@subparagraph}
14806 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14807 \renewcommand{\theequation}{%
14808 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14809 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14810 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14811 \ifartopt
14812 \chapterstyle{article}
14813 \counterwithout{figure}{chapter}
14814 \counterwithout{table}{chapter}
14815 \counterwithout{footnote}{chapter}
14816 \counterwithout{equation}{chapter}

```



```

14817 \renewcommand{\chaptername}{%
14818 \renewcommand{\maketitlehookb}{%
14819 \vskip -1.5\topsep\vskip -1.5\partopsep}
14820 \renewcommand{\maketitlehookc}{%
14821 \vskip -1.5\topsep\vskip -1.5\partopsep}
14822 \fi
14823 \long\def\@makecaption#1#2{\let\@memtempa\relax
14824 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14825 \else \def\@memtempa{\vbox to\topskip{}}\fi
14826 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
14827 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
14828 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14829 \let\footnote\@contfnote
14830 \let\footnotemark\@contfmark
14831 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14832 \if@contcw
14833 \centering
14834 \parbox{\@contcwidth}{%
14835 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14836 \fi
14837 \ifdim\wd\@tempboxa<\linewidth
14838 \@contpre
14839 {\@contnfont #1\@contdelim}\@memtempa
14840 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14841 \else
14842 \if@conthang
14843 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14844 \@contpre%
14845 {\@contcstyle\hangindent=\wd\@tempboxa
14846 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14847 \else
14848 \if@contindent
14849 \@contpre%
14850 {\@contnfont #1\@contdelim}\@memtempa
14851 {\@contcstyle\hangindent=\@contindw
14852 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14853 \else
14854 \@contpre%
14855 {\@contnfont #1\@contdelim}\@memtempa
14856 {\@contcstyle \@conttfont #2\@contfinal\par}
14857 \fi
14858 \fi
14859 \fi
14860 \@contpost
14861 \if@contcw
14862 \par
14863 } % end of the \parbox
14864 \fi
14865 \vskip\belowcaptionskip}
14866 \ifpackageloaded{caption}{%
14867 \AtBeginPackage{caption}{
14868 \ClassWarningNoLine{memoir}{%
14869 You are using the caption package with the memoir \MessageBreak
14870 class. This may cause unexpected or inconsistent \MessageBreak

```



```

14871 results if you use any of memoir's captioning facilities}
14872
14873 \long\def\@makecaption##1##2{%
14874   \vskip\abovcaptionskip
14875   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14876   \ifdim \wd\@tempboxa >\hsize
14877     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14878   \else
14879     \global \@minipagefalse
14880     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14881   \fi
14882   \vskip\belowcaptionskip}
14883
14884 \def\caption{%
14885   \ifx\@capttype\@undefined
14886     \@latex@error{\noexpand\caption outside float}\@ehd
14887     \expandafter\@gobble
14888   \else
14889     \refstepcounter\@capttype
14890     \expandafter\@firstofone
14891   \fi
14892   {\@dblarg{\@caption\@capttype}}}%
14893 }
14894
14895 \long\def\@caption##1[##2]##3{%
14896   \par
14897   \addcontentsline{\csname ext@##1\endcsname}{##1}%
14898     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}}%
14899   \begingroup
14900     \@parboxrestore
14901     \if@minipage
14902       \setminipage
14903     \fi
14904     \normalsize
14905     \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14906   \endgroup}
14907 }{}
14908 \renewenvironment{thebibliography}[1]{%
14909   \bibsection
14910   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14911   \bidi@thebibliography@font@hook%
14912   \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

85 File midfloat-xetex-bidi.def

```

14913 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14914 \def\RTL@outputdblcol{%
14915   \if@firstcolumn
14916     \global \@firstcolumnfalse
14917     \global\setbox\@leftcolumn\copy\@outputbox
14918     \splitmaxdepth\maxdimen
14919     \vbadness\maxdimen
14920     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14921     \setbox\@outputbox\vsplit\@outputbox to\maxdimen

```



```

14922 \toks@\expandafter{\topmark}%
14923 \xdef\@firstcoltopmark{\the\toks@}%
14924 \toks@\expandafter{\splitfirstmark}%
14925 \xdef\@firstcolfirstmark{\the\toks@}%
14926 \ifx\@firstcolfirstmark\@empty
14927 \global\let\@setmarks\relax
14928 \else
14929 \gdef\@setmarks{%
14930 \let\firstmark\@firstcolfirstmark
14931 \let\topmark\@firstcoltopmark}%
14932 \fi
14933 \global\c@colht\@colht\global\c@advvipersep\z@
14934 \ifnum\jua@sk>0
14935 \remove@strip\jua@sar
14936 \global\@colht\the\jua@pr
14937 \ifdim\right@cor>\z@
14938 \global\advance\@colht by\right@cor
14939 \fi
14940 \global\advance\@colht by\cor@height
14941 \global\cor@height=0pt
14942 \fi
14943 \global\setbox\@rightcolumn\vbox{%
14944 \else
14945 \ifdim\c@colht>\@colht
14946 \@tempdima\@colht
14947 \ifdim\@colht>\z@
14948 \global\setbox\@rightcolumn\vbox{%
14949 \unvbox\@rightcolumn
14950 \vbox to\@tempdima{%
14951 \vskip\c@advvipersep\unvbox\@outputbox}%
14952 \vskip\stripsep
14953 \vrule height\the\jua@ht width 0pt depth 0pt
14954 \vskip\stripsep
14955 }%
14956 \global\c@advvipersep\m@advvipersep
14957 \else
14958 \global\setbox\@rightcolumn\vbox{%
14959 \unvbox\@rightcolumn
14960 \vrule height\the\jua@ht width 0pt depth 0pt
14961 \vskip\stripsep
14962 }%
14963 \fi
14964 \ifnum\jua@sk>0
14965 \remove@strip\jua@sar
14966 \global\@colht\the\jua@pr
14967 \global\advance\@colht by-\ht\@rightcolumn
14968 \global\advance\@colht by\cor@height
14969 \global\cor@height=0pt
14970 \else
14971 \global\advance\c@colht by-\ht\@rightcolumn
14972 \global\@colht\c@colht
14973 \fi
14974 \else
14975 \global\@firstcolumntrue

```



```

14976 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14977 \unvbox\@rightcolumn
14978 \vskip\c@addvipersep
14979 \unvbox\@outputbox
14980 }%
14981 \setbox\@outputbox \vbox {%
14982 \hb@xt@\textwidth {%
14983 \hskip \columnwidth
14984 \hfil
14985 \vrule \@width\columnseprule
14986 \hfil
14987 \hb@xt@\columnwidth {%
14988 \bidi@firstcolumn@status@write%
14989 \box\@leftcolumn \hss}%
14990 \hskip-\textwidth
14991 \hb@xt@\columnwidth {%
14992 \bidi@lastcolumn@status@write%
14993 \box\@outputbox \hss}%
14994 \hskip\columnwidth
14995 \hskip\columnsep}%
14996 }%
14997 \@combinedblfloats
14998 \@setmarks
14999 \@outputpage
15000 \begingroup
15001 \@dblfloatplacement
15002 \@startdblcolumn
15003 \@whiles\if@fcolmade \fi
15004 {\@outputpage
15005 \@startdblcolumn}%
15006 \endgroup
15007 \global\jua@sk=0\global\jua@sar={}
15008 \global\cor@height\z@\global\c@addvipersep\z@
15009 \fi
15010 \fi
15011 }
15012
15013
15014 \def\LTR@outputdblcol{%
15015 \if@firstcolumn
15016 \global \@firstcolumnfalse
15017 \global\setbox\@leftcolumn\copy\@outputbox
15018 \splitmaxdepth\maxdimen
15019 \vbadness\maxdimen
15020 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
15021 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
15022 \toks@\expandafter{\topmark}%
15023 \xdef\@firstcoltopmark{\the\toks@}%
15024 \toks@\expandafter{\splitfirstmark}%
15025 \xdef\@firstcolfirstmark{\the\toks@}%
15026 \ifx\@firstcolfirstmark\@empty
15027 \global\let\@setmarks\relax
15028 \else
15029 \gdef\@setmarks{%

```



```

15030         \let\firstmark\@firstcolfirstmark
15031         \let\topmark\@firstcoltopmark}%
15032     \fi
15033     \global\c@colht\@colht\global\c@addvipersep\z@
15034     \ifnum\jua@sk>0
15035         \remove@strip\jua@sar
15036         \global\@colht\the\jua@pr
15037         \ifdim\right@cor>\z@
15038             \global\advance\@colht by\right@cor
15039         \fi
15040         \global\advance\@colht by\cor@height
15041         \global\cor@height=0pt
15042     \fi
15043     \global \setbox\@rightcolumn \vbox{}%
15044 \else
15045     \ifdim\c@colht>\@colht
15046         \@tempdima\@colht
15047         \ifdim\@colht>\z@
15048             \global\setbox\@rightcolumn \vbox{%
15049                 \unvbox\@rightcolumn
15050                 \vbox to\@tempdima{%
15051                     \vskip\c@addvipersep\unvbox\@outputbox}%
15052                 \vskip\stripsep
15053                 \vrule height\the\jua@ht width Opt depth Opt
15054                 \vskip\stripsep
15055                 }%
15056             \global\c@addvipersep\m@addvipersep
15057         \else
15058             \global\setbox\@rightcolumn \vbox{%
15059                 \unvbox\@rightcolumn
15060                 \vrule height\the\jua@ht width Opt depth Opt
15061                 \vskip\stripsep
15062                 }%
15063         \fi
15064         \ifnum\jua@sk>0
15065             \remove@strip\jua@sar
15066             \global\@colht\the\jua@pr
15067             \global\advance\@colht by -\ht\@rightcolumn
15068             \global\advance\@colht by\cor@height
15069             \global\cor@height=0pt
15070         \else
15071             \global\advance\c@colht by-\ht\@rightcolumn
15072             \global\@colht\c@colht
15073         \fi
15074 \else
15075     \global\@firstcolumntrue
15076     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
15077         \unvbox\@rightcolumn
15078         \vskip\c@addvipersep
15079         \unvbox\@outputbox
15080         }%
15081     \setbox\@outputbox \vbox {%
15082         \hb@xt@\textwidth {%
15083             \hb@xt@\columnwidth {%

```




```

15084             \bidi@firstcolumn@status@write%
15085             \box\@leftcolumn \hss}%
15086         \hfil
15087         \vrule \@width\columnseprule
15088         \hfil
15089         \hb@xt@\columnwidth {%
15090             \bidi@lastcolumn@status@write%
15091             \box\@outputbox \hss}%
15092             }%
15093         }%
15094     \@combinedblfloats
15095     \@setmarks
15096     \@outputpage
15097     \begingroup
15098         \@dblfloatplacement
15099         \@startdblcolumn
15100         \@whiles\if@fcolmade \fi
15101         {\@outputpage
15102         \@startdblcolumn}%
15103     \endgroup
15104     \global\jua@sk=0\global\jua@sar={}%
15105     \global\cor@height\z@\global\c@addvipersep\z@
15106     \fi
15107 \fi
15108 }
15109
15110
15111 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
15112   \global \setbox\@viper\vbox\bgroup\ifRTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi
15113     \hsize\textwidth
15114     \@parboxrestore
15115     \col@number \@ne
15116     \vrule height\topskip width0pt depth0pt
15117 }
15118
15119 \def\endstrip{%
15120     \egroup\egroup
15121     \if@firstcolumn
15122         \ifdim\pagetotal>\z@
15123             \vskip\stripsep
15124             \global\ht@strip\pagegoal
15125             \global\advance\ht@strip by-\pagetotal
15126             \global\advance\ht@strip by-\stripsep
15127             \global\advance\ht@strip by-\ht\@viper
15128             \global\advance\ht@strip by-\stripsep
15129             \global\jua@ht=\ht\@viper
15130         \else
15131             \global\ht@strip\z@
15132         \fi
15133     \ifdim\ht@strip>\z@
15134         \unvbox\@viper
15135         \vskip\stripsep
15136         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
15137         \global\advance\jua@sk by1

```



```

15138         \else
15139             \@latex@error{Strip needs more place!}\@ehc
15140             \if@vihproof
15141                 \framebox[\columnwidth]{??? Strip ???}%
15142             \fi
15143         \fi
15144     \else
15145         \@latex@error{Strip is used only on left column!}\@ehc
15146         \if@vihproof
15147             \framebox[\columnwidth]{??? Strip ???}%
15148         \fi
15149     \fi
15150 }

```

86 File minitoc-xetex-bidi.def

```

15151 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package f
15152 \def\@undottedtocline#1#2#3#4#5{%
15153     \ifnum #1>\c@tocdepth\relax \else
15154         \vskip \z@ plus.2\p@
15155         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
15156         \parindent #2\relax\@afterindenttrue
15157         \interlinepenalty\@M
15158         \leavevmode
15159         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
15160         \hskip -\if@RTL\righskip\else\leftskip\fi
15161         #4\nobreak\hfill \nobreak
15162         \null\par}%
15163     \fi}
15164 \def\@Undottedtocline#1#2#3#4#5{%
15165     \ifnum #1>\c@tocdepth\relax \else
15166         \vskip \z@ \@plus.2\p@
15167         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrma
15168         \parindent #2\relax\@afterindenttrue
15169         \interlinepenalty\@M
15170         \leavevmode
15171         \@tempdima #3\relax
15172         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
15173         {\coffefont #4}\nobreak \nobreak\null
15174         \par}%
15175     \fi}
15176 \def\@Undottedtoclinep#1#2#3#4#5{%
15177     \ifnum #1>\c@tocdepth\relax \else
15178         \vskip \z@ \@plus.2\p@
15179         {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrma
15180         \parindent #2\relax\@afterindenttrue
15181         \interlinepenalty\@M
15182         \leavevmode
15183         \@tempdima #3\relax
15184         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
15185         {#4}\nobreak \hfill \nobreak\null
15186         \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
15187     \par}%
15188     \fi}

```



87 File multicol-xetex-bidi.def

```

15189 \ProvidesFile{multicol-xetex-bidi.def}[2022/02/01 v1.3 bidi adaptations for multicol package]
15190 \def\page@sofar{%
15191   \process@cols\mult@rightbox
15192   {\ifvoid\count@
15193     \setbox\count@\hbox to\hsize}%
15194   \else
15195     \wd\count@\hsize
15196   \fi}%
15197 \count@\col@number \advance\count@\m@ne
15198 \mult@info\z@
15199 {Column spec: \the\full@width\space = indent
15200               + columns + sep =\MessageBreak
15201   \the\multicol@leftmargin\space
15202   + \the\col@number\space
15203   x \the\hsize\space
15204   + \the\count@\space
15205   x \the\columnsep
15206   }%
15207 \ifvmode\else\errmessage{Multicol Error}\fi
15208 \nointerlineskip
15209 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
15210 \moveright\multicol@leftmargin
15211 \hbox to\full@width{%
15212   \bidi@multicol@align@columns
15213   \rlap{\phantom p}%
15214   }%
15215 \prevdepth\z@
15216 \kern-\dimen\tw@
15217 \ifdim\dimen\tw@ > \mc@gridwarn
15218   \PackageWarning{multicol}%
15219     {Very deep columns!\MessageBreak
15220     Grid alignment might be broken}%
15221 \fi
15222 }
15223 \def\LTR@column@boxes{%
15224   \process@cols\mult@firstbox{%
15225     \ifdim\dp\count@>\dimen\tw@
15226       \global\dimen\tw@\dp\count@ \fi
15227     \mc@col@status@write
15228     \box\count@
15229     \hss{\columnseprulecolor\vrule
15230         \@width\columnseprule}\hss}%
15231   \ifdim\dp\mult@rightbox>\dimen\tw@
15232     \global\dimen\tw@\dp\mult@rightbox \fi
15233   \mc@lastcol@status@write
15234   \box\mult@rightbox
15235 }
15236
15237 \def\RTL@column@boxes{%
15238   \process@cols\mult@firstbox{%
15239     \hskip\hsize
15240     \hss{\columnseprulecolor\vrule

```



```

15241         \@width\columnseprule}\hss
15242     }%
15243     \hskip\hsize
15244     \process@cols\mult@firstbox{%
15245         \ifdim\dp\count@>\dimen\tw@
15246         \global\dimen\tw@\dp\count@ \fi
15247         \hskip-\hsize
15248         \mc@col@status@write
15249         \box\count@
15250         \hskip-\hsize
15251         \hskip-\columnsep
15252     }%
15253     \ifdim\dp\mult@rightbox>\dimen\tw@
15254     \global\dimen\tw@\dp\mult@rightbox \fi
15255     \hskip-\hsize
15256     \mc@lastcol@status@write
15257     \box\mult@rightbox
15258     \hskip-\hsize
15259     \hskip\full@width
15260 }
15261
15262 \newcommand\RTLmulticolcolumns
15263 { \let\bidimulticol@align@columns
15264   \RTL@column@boxes}
15265 \newcommand\LTRmulticolcolumns
15266 { \let\bidimulticol@align@columns
15267   \LTR@column@boxes}
15268 \newcommand\bidimulticol@align@columns
15269 { \if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
15270 \bidimulticol@AtEndPreamble{%
15271   \if@bidimulticol@csdef{footinsv@1}{%
15272     \def\footnoterule{\kern-3\p@
15273       \hrule \@width \textwidth \kern 2.6\p@}%
15274   }{}%
15275 }
15276 \def\multicols#1{\col@number#1\relax
15277   \ifnum\col@number<\tw@
15278     \PackageWarning{multicol}%
15279     {Using '\number\col@number'
15280     columns doesn't seem a good idea.^~J
15281     I therefore use two columns instead}%
15282     \col@number\tw@ \fi
15283   \ifnum\col@number>20
15284     \PackageError{multicol}%
15285     {Too many columns}%
15286     {Current implementation doesn't
15287     support more than 20 columns.%
15288     \MessageBreak
15289     I therefore use 20 columns instead}%
15290     \col@number20 \fi
15291   \ifx\@footnotetext\mult@footnotetext
15292   \else
15293     \let\orig@footnotetext\@footnotetext
15294     \let\@footnotetext\mult@footnotetext

```



```

15295 \fi
15296 \ifx\@LTRfootnotetext\mult@LTRfootnotetext
15297 \else
15298 \let\orig@LTRfootnotetext\@LTRfootnotetext
15299 \let\@LTRfootnotetext\mult@LTRfootnotetext
15300 \fi
15301 \ifx\@RTLfootnotetext\mult@RTLfootnotetext
15302 \else
15303 \let\orig@RTLfootnotetext\@RTLfootnotetext
15304 \let\@RTLfootnotetext\mult@RTLfootnotetext
15305 \fi
15306 \@ifnextchar[\mult@cols{\mult@cols[]}]
15307 \long\def\mult@footnotetext#1{\begingroup
15308 \hsize\textwidth
15309 \columnwidth\textwidth
15310 \orig@footnotetext{#1}\endgroup}
15311 \long\def\mult@LTRfootnotetext#1{\begingroup
15312 \hsize\textwidth
15313 \columnwidth\textwidth
15314 \orig@LTRfootnotetext{#1}\endgroup}
15315 \long\def\mult@RTLfootnotetext#1{\begingroup
15316 \hsize\textwidth
15317 \columnwidth\textwidth
15318 \orig@RTLfootnotetext{#1}\endgroup}
15319 \def\right@footnoterule{%
15320 \kern-3\p@
15321 \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
15322 \kern2.6\p@}
15323 \def\textwidth@footnoterule{\kern-3\p@
15324 \hrule \@width \textwidth \kern 2.6\p@}
15325 \def\bidileave@mult@copyins{%
15326 \advance\dimen@-\skip\@bidi@copyins@
15327 \advance\dimen@-\ht\@bidi@copyins@
15328 }
15329 \def\bidiatendpreamble{%
15330 \if@bidi@csdef{footinsv@l}{%
15331 \def\bidileave@mult@footins@vr{%
15332 \advance\dimen@-\skip\footinsv@r
15333 \advance\dimen@-\ht\footinsv@r
15334 }%
15335 \def\bidileave@mult@footins@vl{%
15336 \advance\dimen@-\skip\footinsv@l
15337 \advance\dimen@-\ht\footinsv@l
15338 }%
15339 \def\bidiiinit@mult@footinsv@r{%
15340 \multiply\count\footinsv@r\col@number
15341 \multiply\skip\footinsv@r\col@number
15342 }%
15343 \def\bidiiinit@mult@footinsv@l{%
15344 \multiply\count\footinsv@l\col@number
15345 \multiply\skip\footinsv@l\col@number
15346 }%
15347 \def\bidireinsert@footnotesv@r{\ifvoid\footinsv@r\else
15348 \insert\footinsv@r{}\fi}%

```



```

15349 \def\bidi@reinsert@footnotesv@l{\ifvoid\footinsv@l\else
15350 \insert\footinsv@l{\fi}%
15351 \bidi@patchcmd{\prepare@multicols}{%
15352 \reinsert@footnotes
15353 }{%
15354 \reinsert@footnotes
15355 \bidi@init@mult@footinsv@r
15356 \bidi@reinsert@footnotesv@r
15357 \bidi@init@mult@footinsv@l
15358 \bidi@reinsert@footnotesv@l
15359 }{}{}%
15360 \bidi@patchcmd{\multi@column@out}{%
15361 \ifnum \c@tracingmulticols>\thr@@
15362 }{%
15363 \ifvoid\footinsv@r
15364 \ifvoid\footinsv@l
15365 \else
15366 \PackageWarning{multicol}%
15367 {I moved some lines to
15368 the next page.\MessageBreak
15369 Footnotes on page
15370 \thepage\space might be wrong}%
15371 \fi
15372 \else
15373 \PackageWarning{multicol}%
15374 {I moved some lines to
15375 the next page.\MessageBreak
15376 Footnotes on page
15377 \thepage\space might be wrong}%
15378 \fi
15379 \ifnum \c@tracingmulticols>\thr@@
15380 }{}{}%
15381 \bidi@patchcmd{\endmulticols}{%
15382 \reinsert@footnotes
15383 }{%
15384 \reinsert@footnotes
15385 \bidi@reinsert@footnotesv@r
15386 \bidi@reinsert@footnotesv@l
15387 }{}{}%
15388 \bidi@patchcmd{\speci@ls}{%
15389 \reinsert@footnotes
15390 }{%
15391 \reinsert@footnotes
15392 \bidi@reinsert@footnotesv@r
15393 \bidi@reinsert@footnotesv@l
15394 }{}{}%
15395 \bidi@patchcmd{\speci@ls}{%
15396 \reinsert@footnotes
15397 }{%
15398 \reinsert@footnotes
15399 \bidi@reinsert@footnotesv@r
15400 \bidi@reinsert@footnotesv@l
15401 }{}{}%
15402 }{}%

```



```

15403 \bidi@patchcmd{\multi@column@out}{%
15404 \ifvbox \@kludgeins
15405 }{%
15406 \if@bidi@csdef{footinsv@l}{%
15407 \divide\skip\footinsv@r\col@number
15408 \ifvoid\footinsv@r \else
15409 \bidi@leave@mult@footins@vr
15410 \fi
15411 \divide\skip\footinsv@l\col@number
15412 \ifvoid\footinsv@l \else
15413 \bidi@leave@mult@footins@vl
15414 \fi
15415 }{}%
15416 \ifvoid\@bidi@copyins@ \else
15417 \bidi@leave@mult@copyins
15418 \fi
15419 \ifvbox \@kludgeins
15420 }{}{}%
15421 }

```

88 File multienum-xetex-bidi.def

```

15422 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum packa
15423 \renewcommand{\itemx}[1]{\parbox[t]%
15424 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15425 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
15426 \renewcommand{\itemxx}[2]{\parbox[t]%
15427 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15428 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]%
15429 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15430 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
15431 \renewcommand{\itemxxx}[3]{\parbox[t]%
15432 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15433 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
15434 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15435 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]%
15436 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15437 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
15438 \renewcommand{\itemxxxx}[4]{\parbox[t]%
15439 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15440 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
15441 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15442 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15443 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15444 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
15445 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15446 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
15447 \renewcommand{\itemxxxxx}[5]{\parbox[t]%
15448 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15449 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
15450 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15451 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
15452 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15453 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%

```



```

15454 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15455 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
15456 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15457 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
15458 \renewcommand{\itemxox}[2]{\parbox[t]%
15459 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15460 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15461 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15462 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
15463 \renewcommand{\itemxox}[2]{\parbox[t]%
15464 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15465 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
15466 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15467 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
15468 \renewcommand{\itemxox}[3]{\parbox[t]%
15469 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15470 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15471 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15472 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15473 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15474 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15475 \renewcommand{\itemxox}[3]{\parbox[t]%
15476 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15477 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15478 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15479 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
15480 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15481 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15482 \renewcommand{\itemxox}[3]{\parbox[t]%
15483 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15484 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15485 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15486 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15487 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15488 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

89 File natbib-xetex-bidi.def

```

15489 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for
15490 \renewenvironment{thebibliography}[1]{%
15491 \bibsection
15492 \parindent\z@
15493 \bibpreamble
15494 \bibfont
15495 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
15496 \bidi@thebibliography@font@hook%
15497 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
15498 \ifNAT@openbib
15499 \renewcommand\newblock{\par}%
15500 \else
15501 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
15502 \fi
15503 \sloppy\clubpenalty4000\widowpenalty4000
15504 \sfcode`\.\@m

```




```

15505 \let\NAT@bibitem@first@sw\@firstoftwo
15506 \let\citeN\cite \let\shortcite\cite
15507 \let\citeasnoun\cite
15508 }{%
15509 \bibitem@fin
15510 \bibpostamble
15511 \def\@noitemerr{%
15512 \PackageWarning{natbib}{Empty `thebibliography' environment}%
15513 }%
15514 \endlist
15515 \bibcleanup
15516 }%

```

90 File newfloat-xetex-bidi.def

```

15517 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
15518 \renewcommand*\newfloat@setwithin[2]{%
15519 \ifcsname c@chapter\endcsname
15520 \@removefromreset{#1}{chapter}%
15521 \fi
15522 \@removefromreset{#1}{section}%
15523 \edef\@tempa{#2}%
15524 \ifx\@tempa\@empty
15525 \def\@tempa{none}%
15526 \fi
15527 \def\@tempb{none}%
15528 \ifx\@tempa\@tempb
15529 \ifcsname c@chapter\endcsname
15530 \@chapterlistsgap@off{#1}%
15531 \fi
15532 \newfloat@@setwithin{#1}{\}%
15533 \else
15534 \def\@tempb{chapter}%
15535 \ifx\@tempa\@tempb
15536 \@addtoreset{#1}{chapter}%
15537 \@chapterlistsgap@on{#1}%
15538 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@S
15539 \else
15540 \def\@tempb{section}%
15541 \ifx\@tempa\@tempb
15542 \@addtoreset{#1}{section}%
15543 \ifcsname c@chapter\endcsname
15544 \@addtoreset{#1}{chapter}%
15545 \@chapterlistsgap@on{#1}%
15546 \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
15547 \else
15548 \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
15549 \fi
15550 \else
15551 \newfloat@Error{Invalid value `#2' for option `within'}%
15552 \fi
15553 \fi
15554 \fi}

```



91 File ntheorem-xetex-bidi.def

```
15555 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
15556 \gdef\@thm#1#2#3{%
15557   \if@thmmarks
15558     \stepcounter{end\InTheoType ctr}%
15559   \fi
15560   \renewcommand{\InTheoType}{#1}%
15561   \if@thmmarks
15562     \stepcounter{curr#1ctr}%
15563     \setcounter{end#1ctr}{0}%
15564   \fi
15565   \refstepcounter{#2}%
15566   \theorem@prework
15567   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15568   \ifvmode \advance\thm@topsepadd\partopsep\fi
15569   \trivlist
15570   \@topsep \theorempreskipamount
15571   \@topsepadd \thm@topsepadd % used by \@endparenv
15572   \advance\linewidth -\theorem@indent
15573   \advance\@totalleftmargin \theorem@indent
15574   \ifRTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15575   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}
```

92 File ntheorem-hyper-xetex-bidi.def

```
15576 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-h]
15577 \gdef\@thm#1#2#3{%
15578   \if@thmmarks
15579     \stepcounter{end\InTheoType ctr}%
15580   \fi
15581   \renewcommand{\InTheoType}{#1}%
15582   \if@thmmarks
15583     \stepcounter{curr#1ctr}%
15584     \setcounter{end#1ctr}{0}%
15585   \fi
15586   \refstepcounter{#2}%
15587   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15588   \ifvmode \advance\thm@topsepadd\partopsep\fi
15589   \trivlist
15590   \@topsep \theorempreskipamount
15591   \@topsepadd \thm@topsepadd % used by \@endparenv
15592   \advance\linewidth -\theorem@indent
15593   \advance\@totalleftmargin \theorem@indent
15594   \ifRTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15595   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}}
```

93 File overpic-xetex-bidi.def

```
15596 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package]
15597 \renewenvironment{overpic}[2][{}]{%
15598   \sbox{\z@}{\includegraphics[#1]{#2}}%
15599   \settodepth{\@tempcnta}{\usebox{\z@}}%
15600   \settoheight{\@tempcntb}{\usebox{\z@}}%
```



```

15601 \advance\@tempcntb\@tempcnta%
15602 \settowidth{\@tempcnta}{\usebox{\z@}}%
15603 \setlength{\@tempdima}{\unitlength}%
15604 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
15605 %
15606 \OVP@calc%
15607 %
15608 \begin{picture}(\@tempcnta,\@tempcntb)%
15609 \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
15610 \ifGin@grid%
15611 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15612 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15613 \fi\fi%
15614 % reset the graphics parameter
15615 \let\Gin@outer@scalex\relax
15616 \let\Gin@outer@scaley\relax
15617 \let\Gin@angle\relax
15618 \let\Gin@ewidth\Gin@exclamation
15619 \let\Gin@eheight\Gin@ewidth
15620 \def\Gin@scalex{1}
15621 \let\Gin@scaley\Gin@exclamation
15622 }{%
15623 \ifRTL\ifGin@grid%
15624 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15625 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15626 \fi%
15627 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
15628 \end{picture}%
15629 }%

```

94 File pdfbase-xetex-bidi.def

```

15630 \ProvidesFile{pdfbase-xetex-bidi.def}[2022/02/18 v0.4 bidi adaptations for pdfbase package f
15631 \ExplSyntaxOn
15632 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
15633 \cs_set_nopar:Npn\@outputpage{
15634 \int_gincr:N\g_pbs_page_int
15635 \box_if_vertical:cTF{\@outputbox}{
15636 \bool_set_true:N\l_pbs_is_vertical_bool
15637 }{
15638 \bool_set_false:N\l_pbs_is_vertical_bool
15639 }
15640 \hbox_set:Nn\@outputbox{
15641 %begin of page
15642 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
15643 \box_use_drop:N\@outputbox
15644 %end of page
15645 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15646 }
15647 \bool_if:NT\l_pbs_is_vertical_bool{
15648 \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
15649 }
15650 \pbs_outputpage_orig:
15651 }

```



15652 \ExplSyntaxOff

95 File pdfscape-xetex-bidi.def

```
15653 \ProvidesFile{pdfscape-xetex-bidi.def}[2022/02/18 v0.1 bidi adaptations for pdfscape package]
15654 \bidi@patchcmd{\landscape}{\PLS@Rotate{90}}{%
15655   \if@RTL
15656     \PLS@Rotate{-90}%
15657   \else
15658     \PLS@Rotate{90}%
15659   \fi
15660 }{}{}
```

96 File pdfpages-xetex-bidi.def

```
15661 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
15662 \renewcommand*{\includepdf}[2] [] {%
15663   \begingroup
15664   \@RTLfalse
15665   \let\AM@threadname\relax
15666   \AM@split@options{pdfpages}{#1}%
15667   \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
15668   \expandafter\setkeys\AM@temp
15669   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
15670     \let\AM@currentdocname\relax
15671     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
15672     \def\AM@pagecount{0}%
15673   }{%
15674     \AM@findfile{#2}%
15675     \if\AM@threadname\relax
15676       \def\AM@threadname{\AM@currentdocname}%
15677     \fi
15678   }%
15679   \ifAM@survey
15680     \def\AM@pagestemp{}%
15681     \@tempcnta=0
15682     \def\foo{%
15683       \ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
15684         {\let\foo\relax}
15685       {\expandafter\ifx\expandafter\\AM@pagestemp\\
15686         \edef\AM@pagestemp{%
15687           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15688         \else
15689           \edef\AM@pagestemp{\AM@pagestemp,%
15690             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15691         \fi
15692         \advance\@tempcnta 1\relax
15693       }%
15694     \foo
15695   }%
15696   \foo
15697   \expandafter\ifx\expandafter\\AM@pagestemp\\
15698   \def\AM@pagestemp{1}%
15699   \fi
```



```

15700 \fi
15701 \ifAM@output
15702   \expandafter\AM@readlist\expandafter{\AM@pagetemp}%
15703   \AM@output{#1}%
15704 \fi
15705 \AM@CheckAtEnd
15706 \endgroup
15707 \AM@ClearShipoutPicture
15708 }

```

97 File pgfcorescopes.code-xetex-bidi.def

```

15709 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pa
15710 \def\pgfpicture{%
15711   \beginpgfpicture%
15712   \ifmmode\else\@RTLfalse\beginL\fi%
15713   \pgfpicturetrue%
15714   \global\advance\pgf@picture@serial@count by1\relax%
15715   \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
15716   \let\pgf@nodecallback=\pgfutil@gobble%
15717   \pgf@picmaxx=-16000pt\relax%
15718   \pgf@picminx=16000pt\relax%
15719   \pgf@picmaxy=-16000pt\relax%
15720   \pgf@picminy=16000pt\relax%
15721   \pgf@relevantforpicturesizetrue%
15722   \pgf@resetpathsizes%
15723   \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture%
15724 \def\endpgfpicture{%
15725   \ifpgfrememberpicturepositiononpage%
15726     \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
15727   \fi%
15728   % ok, now let's position the box
15729   \ifdim\pgf@picmaxx=-16000pt\relax%
15730     % empty picture. make size 0.
15731     \global\pgf@picmaxx=0pt\relax%
15732     \global\pgf@picminx=0pt\relax%
15733     \global\pgf@picmaxy=0pt\relax%
15734     \global\pgf@picminy=0pt\relax%
15735   \fi%
15736   % Shift baseline outside:
15737   \pgf@relevantforpicturesizefalse%
15738   \pgf@process{\pgf@baseline}%
15739   \xdef\pgf@shift@baseline{\the\pgf@y}%
15740   %
15741   \pgf@process{\pgf@trimleft}%
15742   \global\advance\pgf@x by-\pgf@picminx
15743   % prepare \hskip\pgf@trimleft@final.
15744   % note that \pgf@trimleft@final is also queried
15745   % by the pgf image externalization.
15746   \xdef\pgf@trimleft@final{-\the\pgf@x}%
15747   %
15748   \pgf@process{\pgf@trimright}%
15749   \global\advance\pgf@x by-\pgf@picmaxx
15750   % prepare \hskip\pgf@trimright@final.

```



```

15751             % note that \pgf@trimright@final is also queried
15752             % by the pgf image externalization.
15753             \xdef\pgf@trimright@final{\the\pgf@x}%
15754         %
15755         \pgf@remember@layerlist@globally
15756         \endgroup%
15757         \hss%
15758         \egroup%
15759         \pgf@restore@layerlist@from@global
15760         \pgf@insertlayers%
15761         \endgroup%
15762         \pgfsys@discardpath%
15763         \endgroup%
15764         \pgfsys@endscope%
15765         \pgfsys@endpicture%
15766         \endgroup%
15767         \hss
15768     \egroup%
15769     \pgfsys@typesetpicturebox\pgfpic%
15770     \ifmmode\else\endL\fi%
15771     \endgroup%
15772 }

```

98 File picinpar-xetex-bidi.def

```

15773 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15774 \long\def\@makewincaption#1#2{%
15775     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15776     \ifdim\wd\@tempboxa>\picwd
15777         {\footnotesize{\bf #1:\enspace}{#2\par}}
15778     \else
15779         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15780     \fi}
15781 \def\endwindow{%
15782     \global\tcd=\tcdsav
15783     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15784     \vbadness=10000
15785     \splittopskip=0pt
15786 %
15787 % Typeset the lines above the window
15788 %
15789 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15790 \tcn=\tcd
15791 \loop\advance\tcn -1
15792 \setbox\fslice=\vsplit\holder to\baselineskip
15793 \prune\fslice\linewidth
15794 \topheight=0pt
15795 \ifnum\dp\fslice>\dp\wstrutbox
15796     \advance\topheight-\dp\fslice
15797     \advance\topheight\dp\wstrutbox
15798     \advance\topheight\ilg\fi
15799 \hbox to\linewidth{\box\fslice}
15800 \vskip-\topheight
15801 \ifdim\ht\holder>0pt\repeat

```



```

15802 \fi
15803 %
15804 % Now we build the boxes beside the window
15805 %
15806 \global\topheight=\tcl\baselineskip
15807 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15808     \global\topheight=\vpic
15809 \fi
15810 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15811 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15812 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15813 \tcn=\tcl \na=0 \nb=0
15814 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15815 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15816 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15817 \ifnum\na=0\ifnum\nb=0
15818     \setbox\waslice=\vbox to\vpic{\vss}
15819     \setbox\wbslice=\vbox to\vpic{\vss}
15820     \bl=1\br=1
15821     \vskip\ilg
15822 \fi\fi
15823 %
15824 % both sides
15825 %
15826 \ifnum\na>0 \ifnum\nb>0
15827 \loop\advance\nb -1
15828 \advance\na -1
15829 \if@RTL%
15830 \setbox\bslice=\vsplit\holder to\baselineskip
15831 \prune\bslice\rtside
15832 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15833 to\rtside{\box\bslice\hfil}}
15834 \setbox\aslice=\vsplit\holder to\baselineskip
15835 \prune\aslice\lftside
15836 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15837 to\lftside{\box\aslice\hfil}}
15838 \else%
15839 \setbox\aslice=\vsplit\holder to\baselineskip
15840 \prune\aslice\lftside
15841 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15842 to\lftside{\box\aslice\hfil}}
15843 \setbox\bslice=\vsplit\holder to\baselineskip
15844 \prune\bslice\rtside
15845 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15846 to\rtside{\box\bslice\hfil}}
15847 \fi%
15848 \ifnum\nb>0\repeat
15849 \fi\fi
15850 %
15851 % only text on the left side
15852 %
15853 \ifnum\na>0
15854     \loop\advance\na -1
15855     \setbox\aslice=\vsplit\holder to\baselineskip

```



```

15856 \prune\aslice\lftside
15857 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15858 to\lftside{\box\aslice\hfil}}
15859 \ifdim\ht\holder>0pt\repeat
15860 \fi
15861 %
15862 % only text on the right side
15863 %
15864 \ifnum\nb>0
15865 \loop\advance\nb -1
15866 \setbox\bslice=\vsplit\holder to\baselineskip
15867 \prune\bslice\rtside
15868 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15869 to\rtside{\box\bslice\hfil}}
15870 \ifdim\ht\holder>0pt\repeat
15871 \fi
15872 %
15873 % fixing the dimensions of the window part
15874 %
15875 \ifnum\bl=0\topheight=\ht\wbslice
15876 \else\ifnum\br=0\topheight=\ht\waslice
15877 \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15878 \else\topheight=\ht\wbslice\fi\fi\fi
15879 %
15880 % ship out the window material to the main vertical list
15881 %
15882 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15883 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15884 \fi\fi\fi
15885 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15886 \ifnum\bl>0\box\waslice\hfil\fi%
15887 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15888 \vfill\unvbox\picbox%
15889 \ifnum\picwd>0\vfill\fi%
15890 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15891 \unvbox>windowbox%
15892 \loop
15893 \setbox\bslice=\vsplit\rawtext to\baselineskip
15894 \prune\bslice\linewidth
15895 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15896 \unvbox\wbslice
15897 \ifdim\ht\rawtext>0pt
15898 \repeat
15899 }% FINITO

```

99 File plain-xetex-bidi.def

```

15900 \def\TeXXeTOn{\TeXXeTstate=1 }
15901 \def\TeXXeTOff{\TeXXeTstate=0 }
15902 \TeXXeTOn
15903 \def\usebox#1{\leavevmode\copy #1\relax}
15904 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
15905 \let\bidi@o@everypar=\everypar
15906 \newtoks\bidi@n@everypar

```




```

15907 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
15908 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
15909 \let\everypar=\bidi@n@everypar
15910 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15911 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15912 \protected\def\hboxR{\hbox\bgroup
15913 \everyhbox{%
15914 \aftergroup\egroup
15915 \everyhbox{}}%
15916 \beginR
15917 \@hboxRconstructtrue
15918 \bgroup
15919 \aftergroup\endR
15920 \aftergroup\egroup
15921 }\hbox}
15922 \protected\def\hboxL{\hbox\bgroup
15923 \everyhbox{%
15924 \aftergroup\egroup
15925 \everyhbox{}}%
15926 \beginL
15927 \@hboxRconstructfalse
15928 \bgroup
15929 \aftergroup\endL
15930 \aftergroup\egroup
15931 }\hbox}
15932 \protected\def\vboxR{\vbox\bgroup
15933 \everyvbox{%
15934 \aftergroup\egroup
15935 \everyvbox{}}%
15936 \@RTLtrue
15937 \bgroup
15938 \aftergroup\egroup
15939 }\vbox}
15940 \protected\def\vboxL{\vbox\bgroup
15941 \everyvbox{%
15942 \aftergroup\egroup
15943 \everyvbox{}}%
15944 \@RTLfalse
15945 \bgroup
15946 \aftergroup\egroup
15947 }\vbox}
15948 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15949 \def\endLTR{\par}
15950 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15951 \def\endRTL{\par}
15952 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15953 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15954 \let\unsetRTL=\setLTR
15955 \let\unsetLTR=\setRTL
15956 \let\LR=\LRE
15957 \let\RL=\RLE
15958 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15959 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15960 \let\@ensure@RL=\@ensure@RTL

```



```

15961 \let\@ensure@LR=\@ensure@LTR
15962 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15963 \let\@ensure@maindir=\@ensure@dir
15964 \def\@RTL{RTL}
15965 \def\@LTR{LTR}
15966 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
15967 \def\reset@dir{\ifx\saved@@dir\@RTL\setRTL\else\ifx\saved@@dir\@LTR\setLTR\else\relax\fi}
15968 \let\@TeX\TeX
15969 \def\TeX{\@ensure@LTR{\@TeX}}
15970 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
15971   \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
15972   \ifvoid\footins\else % footnote info is present
15973     \vskip\skip\footins
15974     \footnoterule
15975     \unvbox\footins\fi
15976   \ifrggedbottom \kern-\dimen@ \vfil \fi
15977   \ifvoid\@bidi@copyins@
15978   \else
15979     \vskip\skip\@bidi@copyins@
15980     \unvbox\@bidi@copyins@
15981   \fi
15982 }
15983 \long\def\bidi@reflect@box#1{%
15984   \leavevmode
15985   \setbox\z@\hbox{#1}%
15986   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15987   \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15988 }
15989 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
15990   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
15991 \let\setRL=\setRTL
15992 \let\setLR=\setLTR
15993 \let\unsetRL=\setLTR
15994 \let\bidi@saved@eqno=\eqno
15995 \let\bidi@saved@leqno=\leqno
15996 \def\eqno{\ifnum\pdisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
15997 \def\leqno{\ifnum\pdisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
15998 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15999 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
16000 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

100 File pstricks-xetex-bidi.def

```

16001 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
16002 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
16003 \def\endpspicture{%
16004   \ifshowgrid\ifnum\showgridp@s>0
16005     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
16006   \pst@killglue
16007 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
16008   \endgroup
16009   \egroup
16010   \ifdim\wd\pst@hbox=\z@\else
16011     %\@pstrickserr{Extraneous space in the pspicture environment}%

```



```

16012    %{\Type \space <return> \space to proceed.}%
16013    \fi
16014    \ht\pst@hbox=\pst@dimd
16015    \dp\pst@hbox=-\pst@dimb
16016    \setbox\pst@hbox=\hbox{%
16017        \kern-\pst@dimd
16018    % Orig version -----
16019    %\ifx\pst@tempa\@empty\else
16020    %\advance\pst@dimd-\pst@dimb
16021    %\pst@dimd=\pst@tempa\pst@dimd
16022    %\advance\pst@dimd\pst@dimb
16023    %\lower\pst@dimd
16024    %\fi
16025    %----- end Orig
16026    \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}%      shift=*
16027    \advance\pst@dimd-\pst@dimb
16028    \pst@dimd=0.5\pst@dimd
16029    \else\pst@dimd-\pst@shift\fi
16030    \advance\pst@dimd\pst@dimb
16031    \lower\pst@dimd
16032    \box\pst@hbox
16033    \kern\pst@dimc}%
16034    \ifstar\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
16035    \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
16036    \fboxsep=0pt
16037    \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
16038    \ifmmode\else\endL\fi
16039    \endgroup%
16040    \psset[pstricks]{shift=0}% reset value
16041 }

```

101 File quotchap-xetex-bidi.def

```

16042 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
16043 \renewcommand{\qauthor}[1]{%
16044     \par\smallskip
16045     {\ifRTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}
16046 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
16047     {\size@chapter{\sectfont\ifRTL\raggedright\else\raggedleft\fi
16048         {\chapnumfont
16049             \ifnum \c@secnumdepth >\m@ne%
16050             \if@mainmatter\thechapter%
16051             \fi\fi
16052             \par\nobreak}%
16053         {\ifRTL\raggedright\else\raggedleft\fi\advance\ifRTL\rightrightmargin\else\leftmargin\fi
16054         \nobreak\chapterheadendvskip}}}
16055 \renewcommand*{\@iprintcites}{%
16056     \vbox to\z@{\leavevmode\copy\@quotebox\vss}
16057     \global\let\@printcites\relax}

```

102 File ragged2e-xetex-bidi.def

```

16058 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
16059 \renewcommand{\Centering}{%

```



```

16060 \ifx\\@raggedtwo@savedcr
16061 \let\\@centercr
16062 \fi
16063 \let\@newline\@raggedtwo@newline
16064 \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
16065 \@rightskip\CenteringRightskip
16066 \if@RTL\leftskip\else\rightskip\fi\@rightskip
16067 \parfillskip\CenteringParfillskip
16068 \parindent\CenteringParindent
16069 \@raggedtwo@spaceskiptrue
16070 \@raggedtwo@everyselectfont
16071 }
16072 \renewcommand{\RaggedLeft}{%
16073 \ifx\\@raggedtwo@savedcr
16074 \let\\@centercr
16075 \fi
16076 \let\@newline\@raggedtwo@newline
16077 \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
16078 \@rightskip\RaggedLeftRightskip
16079 \if@RTL\leftskip\else\rightskip\fi\@rightskip
16080 \parfillskip\RaggedLeftParfillskip
16081 \parindent\RaggedLeftParindent
16082 \@raggedtwo@spaceskiptrue
16083 \@raggedtwo@everyselectfont
16084 }
16085 \renewcommand{\RaggedRight}{%
16086 \ifx\\@raggedtwo@savedcr
16087 \let\\@centercr
16088 \fi
16089 \let\@newline\@raggedtwo@newline
16090 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
16091 \@rightskip\RaggedRightRightskip
16092 \if@RTL\leftskip\else\rightskip\fi\@rightskip
16093 \parfillskip\RaggedRightParfillskip
16094 \parindent\RaggedRightParindent
16095 \@raggedtwo@spaceskiptrue
16096 \@raggedtwo@everyselectfont
16097 }
16098 \renewcommand{\justifying}{%
16099 \let\\@raggedtwo@savedcr
16100 \let\@newline\@raggedtwo@saved@newline
16101 \if@RTL\rightskip\else\leftskip\fi\z@
16102 \@rightskip\z@
16103 \if@RTL\leftskip\else\rightskip\fi\@rightskip
16104 \parfillskip\JustifyingParfillskip
16105 \parindent\JustifyingParindent
16106 \@raggedtwo@spaceskipfalse
16107 \@raggedtwo@everyselectfont
16108 }
16109 \def\@raggedtwo@raggedrightboxes@opt{%
16110 \renewcommand{\@arrayparboxrestore}{%
16111 \let\if@nobreak\iffalse
16112 \let\if@noskipsec\iffalse
16113 \let\par\@par

```



```

16114 \let\-\@dischyph
16115 \let'\@acci\let'\@accii\let\=\@acciii
16116 \parskip\z@skip
16117 \everypar{}%
16118 \linewidth\hsize
16119 \@totalleftmargin\z@
16120 \if@RTL
16121 \RaggedLeft
16122 \else
16123 \RaggedRight
16124 \fi
16125 \lineskip\normallineskip
16126 \baselineskip\normalbaselineskip
16127 \sloppy}%
16128 \let\@raggedtwoe@raggedrightboxes@opt\relax
16129 }
16130 \def\@raggedtwoe@document@opt{%
16131 \AtBeginDocument{\@raggedtwoe@abdhook}%
16132 \@raggedtwoe@raggedrightboxes@opt
16133 \@raggedtwoe@footmisctrue
16134 \let\@raggedtwoe@document@opt\relax
16135 }
16136 \def\@raggedtwoe@abdhook{%
16137 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
16138 right to left documents and '\string\RaggedRight' for left
16139 to right documents}%
16140 \if@RTL
16141 \RaggedLeft
16142 \else
16143 \RaggedRight
16144 \fi
16145 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
16146 \let\@raggedtwoe@abdhook\relax
16147 }
16148 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
16149 \@raggedtwoe@raggedrightboxes@opt
16150 }{}
16151 \@ifpackagewith{ragged2e}{document}{%
16152 \@raggedtwoe@document@opt
16153 }{}
16154 \let\origin@RaggedLeft=\RaggedLeft
16155 \let\origin@RaggedRight=\RaggedRight
16156 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
16157 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

103 File rapport1-xetex-bidi.def

```

16158 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class f
16159 \renewenvironment{theindex}{%
16160 \if@twocolumn
16161 \@restonecolfalse
16162 \else
16163 \@restonecoltrue
16164 \fi

```



```

16165 \columnseprule \z@
16166 \columnsep 35\p@
16167 \twocolumn[\@makeschapterhead{\indexname}]%
16168 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
16169 \thispagestyle{plain}\parindent\z@
16170 \parskip\z@ \@plus .3\p@\relax
16171 \let\item\@idxitem
16172 }{%
16173 \if@restonecol\onecolumn\else\clearpage\fi}
16174 \renewcommand*\head@style{%
16175     \interlinepenalty \@M
16176     \hyphenpenalty=\@M \exhyphenpenalty=\@M
16177     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16178 \if@titlepage
16179     \renewenvironment{abstract}{%
16180         \titlepage
16181         \null\vfil
16182         \section*{\SectFont\abstractname}%
16183         \noindent\ignorespaces}
16184     {\par\vfil\null\endtitlepage}
16185 \else
16186     \renewenvironment{abstract}{%
16187         \if@twocolumn
16188             \section*{\abstractname}%
16189         \else
16190             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16191             \section*{\small\SectFont\abstractname}%
16192             \noindent\ignorespaces
16193         \fi}
16194     {\if@twocolumn\else\par\egroup\fi}
16195 \fi
16196 \renewcommand*\@regtocline[3]{%
16197     \ifnum #1>\c@tocdepth
16198     \else
16199         \vskip\z@ \@plus.2\p@
16200         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
16201         \if@RTL\rightskip\else\leftskip\fi\unitindent
16202         \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
16203         \parfillskip\z@
16204         \@tempdima\unitindent
16205         \parindent\z@
16206         \leavevmode
16207         \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
16208         \hskip 1em \nobreak{\slshape #3}\par
16209     }%
16210     \fi}
16211 \if@oldtoc
16212 \renewcommand*\l@part[2]{%
16213     \ifnum \c@tocdepth >-2\relax
16214         \addpenalty{-\@highpenalty}%
16215         \addvspace{2.25em \@plus\p@}%
16216         \begingroup
16217             \setlength\@tempdima{3em}%
16218             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth

```



```

16219 \parfillskip -\@pnumwidth
16220 {\leavevmode
16221 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16222 \nobreak
16223 \global\@nobreaktrue
16224 \everypar{\global\@nobreakfalse\everypar{}}%
16225 \endgroup
16226 \fi}
16227 \else
16228 \renewcommand*\l@part{%
16229 \ifnum \c@tocdepth >-2\relax
16230 \addpenalty{-\@highpenalty}%
16231 \addvspace{2.25em \@plus \p@}%
16232 \regtocline{0}%
16233 \fi}
16234 \fi
16235 \if@oldtoc
16236 \renewcommand*\l@chapter[2]{%
16237 \addpenalty{-\@highpenalty}%
16238 \vskip 1.0em \@plus \p@
16239 \setlength\@tempdima{1.5em}%
16240 \begingroup
16241 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16242 \parfillskip -\@pnumwidth
16243 \leavevmode \bfseries
16244 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16245 \hskip -\if@RTL\rightskip\else\leftskip\fi
16246 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16247 \penalty\@highpenalty
16248 \endgroup}
16249 \else
16250 \renewcommand*\l@chapter{\@regtocline{0}}
16251 \fi
16252 \renewcommand*\left@footnoterule{%
16253 \kern-3\p@
16254 \kern.5\baselineskip
16255 \hrule\@width\unitindent
16256 \kern.4\baselineskip
16257 }
16258 \renewcommand*\right@footnoterule{%
16259 \kern-3\p@
16260 \kern.5\baselineskip
16261 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16262 \kern.4\baselineskip}
16263 \renewenvironment{thebibliography}[1]
16264 {\chapter*{\bibname}%
16265 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16266 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16267 \bidi@thebibliography@font@hook%
16268 \list{\@biblabel{\@arabic\c@enumiv}}%
16269 {\settowidth\labelwidth{\@biblabel{#1}}%
16270 \leftmargin\labelwidth
16271 \advance\leftmargin\labelsep
16272 \openbib@code

```



```

16273         \usecounter{enumiv}%
16274         \let\p@enumiv\@empty
16275         \renewcommand*{\theenumiv}{\@arabic\c@enumiv}}%
16276     \sloppy\clubpenalty4000\widowpenalty4000%
16277     \sfcode`\.\@m}
16278     {\def\@noitemerr
16279     {\@latex@warning{Empty `thebibliography' environment}}}%
16280     \endlist}
16281 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
16282 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
16283 \renewcommand*{\thesubsubsection}{\thesubsection\@SepMark\@arabic\c@subsubsection}
16284 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16285 \renewcommand*{\thesubparagraph}{\theparagraph\@SepMark\@arabic\c@subparagraph}
16286 \renewcommand*{\theequation}{%
16287     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
16288 \renewcommand*{\thefigure}{%
16289     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
16290 \renewcommand*{\thetable}{%
16291     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
16292 \if@titlepage
16293 \renewcommand*{\TitleFont}{\rmfamily}
16294 \renewcommand*{\maketitle}{%
16295     \begin{titlepage}%
16296         \let\footnotesize\small
16297         \let\right@footnoterule\relax
16298         \let\left@footnoterule\relax
16299         \let\textwidth\footnoterule\relax
16300         \let \footnote \thanks
16301         \long\def\@makefntext##1{\parindent\z@
16302             \def\labelitemi{\textendash}\@revlabeltrue
16303             \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
16304         \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
16305         \if@compatibility\setcounter{page}{0}\fi
16306         \null\vfil
16307         \vskip 60\p@
16308         \begin{center}%
16309             \TitleFont
16310             {\LARGE \def\\{\penalty -\@M}
16311             \if@allcaps
16312                 \expandafter\uc@nothanks\@title\thanks\relax
16313             \else
16314                 \@title
16315             \fi\par}%
16316         \vskip 3em%
16317         {\large
16318             \lineskip .75em \parindent\z@
16319             \begin{tabular}[t]{c}%
16320                 \if@allcaps
16321                     \expandafter\uc@authornothanks\@author\and\relax
16322                 \else
16323                     \@author
16324                 \fi
16325             \end{tabular}\par}%
16326         \vskip 1.5em%

```




```

16327     {\large
16328       \if@allcaps
16329         \uppercase\expandafter{\@date}%
16330       \else
16331         \@date
16332       \fi\par}%
16333     \end{center}\par
16334     \@thanks
16335     \vfil\null
16336 \end{titlepage}%
16337 \setcounter{footnote}{0}%
16338 \global\let\thanks\relax
16339 \global\let\maketitle\relax
16340 \global\let\@thanks\@empty
16341 \global\let\@author\@empty
16342 \global\let\@title\@empty
16343 \global\let\@date\@empty
16344 \global\let\title\relax
16345 \global\let\author\relax
16346 \global\let\date\relax
16347 \global\let\and\relax
16348 }
16349 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
16350 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
16351   \futurelet\@tempa\uc@ax}
16352 \def\uc@ax{%
16353   \ifx\@tempa\relax
16354   \else
16355     \\\andname \\\expandafter\uc@authornothanks
16356   \fi}
16357 \def\uc@tx{\ifx\@tempa\relax
16358   \else \expandafter\uc@ty \fi}
16359 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
16360 \else
16361 \renewcommand*\maketitle{\par
16362   \begingroup
16363     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16364     \def\@makefnmark{\rlap{%
16365       \@textsuperscript{\normalfont\@thefnmark}}}%
16366     \long\def\@makefntext{\@xmakefntext{%
16367       \@textsuperscript{\normalfont\@thefnmark}}}%
16368     \if@twocolumn
16369       \ifnum \col@number=\@one
16370         \@maketitle
16371       \else
16372         \twocolumn[\@maketitle]%
16373       \fi
16374     \else
16375       \newpage
16376       \global\@topnum\z@
16377       \@maketitle
16378     \fi
16379     \thispagestyle{plain}\@thanks
16380 \endgroup

```



```

16381 \setcounter{footnote}{0}%
16382 \global\let\thanks\relax
16383 \global\let\maketitle\relax
16384 \global\let\@maketitle\relax
16385 \global\let\@thanks\@empty
16386 \global\let\@author\@empty
16387 \global\let\@title\@empty
16388 \global\let\@date\@empty
16389 \global\let\title\relax
16390 \global\let\author\relax
16391 \global\let\date\relax
16392 \global\let\and\relax
16393 }
16394 \def\@maketitle{%
16395 \newpage
16396 \null
16397 \vskip 2em%
16398 \begin{center}%
16399 \let \footnote \thanks
16400 {\LARGE \TitleFont \@title \par}%
16401 \vskip 1.5em%
16402 {\large \TitleFont
16403 \lineskip .5em%
16404 \begin{tabular}[t]{c}%
16405 \@author
16406 \end{tabular}\par}%
16407 \vskip 1em%
16408 {\large \TitleFont \@date}%
16409 \end{center}%
16410 \par
16411 \vskip 1.5em}
16412 \fi

```

104 File rapport3-xetex-bidi.def

```

16413 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class f
16414 \renewenvironment{theindex}{%
16415 \if@twocolumn
16416 \@restonecolfalse
16417 \else
16418 \@restonecoltrue
16419 \fi
16420 \columnseprule \z@
16421 \columnsep 35\p@
16422 \twocolumn[\@makeschapterhead{\indexname}]%
16423 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
16424 \thispagestyle{plain}\parindent\z@
16425 \parskip\z@ \@plus .3\p@\relax
16426 \let\item\@idxitem
16427 }{%
16428 \if@restonecol\onecolumn\else\clearpage\fi}
16429 \if@titlepage
16430 \renewcommand*\TitleFont{\rmfamily}
16431 \renewcommand*\maketitle{%

```



```

16432 \begin{titlepage}%
16433   \let\footnotesize\small
16434   \let\right@footnoterule\relax
16435   \let\left@footnoterule\relax
16436   \let\textwidth@footnoterule\relax
16437   \let \footnote \thanks
16438   \let \LTRfootnote \LTRthanks
16439   \let \RTLfootnote \RTLthanks
16440   \long\def\@makefntext##1{\parindent\z@
16441     \def\labelitemi{\textendash}\@revlabeltrue
16442     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
16443   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16444   \if@compatibility\setcounter{page}{0}\fi
16445   \null\vfil
16446   \vskip 60\p@
16447   \begin{center}%
16448     \TitleFont
16449     {\LARGE \def\{\{\penalty -\@M}
16450       \if@allcaps
16451         \expandafter\uc@nothanks\@title\thanks\relax
16452       \else
16453         \@title
16454       \fi\par}%
16455     \vskip 3em%
16456     {\large
16457       \lineskip .75em \parindent\z@
16458       \begin{tabular}[t]{c}%
16459         \if@allcaps
16460           \expandafter\uc@authornothanks\@author\and\relax
16461         \else
16462           \@author
16463         \fi
16464       \end{tabular}\par}%
16465     \vskip 1.5em%
16466     {\large
16467       \if@allcaps
16468         \uppercase\expandafter{\@date}%
16469       \else
16470         \@date
16471       \fi\par}%
16472     \end{center}\par
16473     \@thanks
16474     \vfil\null
16475   \end{titlepage}%
16476   \setcounter{footnote}{0}%
16477   \global\let\thanks\relax
16478   \global\let\LTRthanks\relax
16479   \global\let\RTLthanks\relax
16480   \global\let\maketitle\relax
16481   \global\let\@thanks\@empty
16482   \global\let\@author\@empty
16483   \global\let\@title\@empty
16484   \global\let\@date\@empty
16485   \global\let\title\relax

```



```

16486 \global\let\author\relax
16487 \global\let\date\relax
16488 \global\let\and\relax
16489 }
16490 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
16491 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
16492 \futurelet\@tempa\uc@ax}
16493 \def\uc@ax{%
16494 \ifx\@tempa\relax
16495 \else
16496 \\\andname \\\expandafter\uc@authornothanks
16497 \fi}
16498 \def\uc@tx{\ifx\@tempa\relax
16499 \else \expandafter\uc@ty \fi}
16500 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
16501 \else
16502 \renewcommand*\maketitle{\par
16503 \begingroup
16504 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16505 \def\@makefnmark{\rlap{%
16506 \@textsuperscript{\normalfont\@thefnmark}}}%
16507 \long\def\@makefntext{\@xmakefntext{%
16508 \@textsuperscript{\normalfont\@thefnmark}}}%
16509 \if@twocolumn
16510 \ifnum \col@number=\@one
16511 \maketitle
16512 \else
16513 \twocolumn[\maketitle]%
16514 \fi
16515 \else
16516 \newpage
16517 \global\@topnum\z@
16518 \maketitle
16519 \fi
16520 \thispagestyle{plain}\@thanks
16521 \endgroup
16522 \setcounter{footnote}{0}%
16523 \global\let\thanks\relax
16524 \global\let\LTRthanks\relax
16525 \global\let\RTLthanks\relax
16526 \global\let\maketitle\relax
16527 \global\let\@maketitle\relax
16528 \global\let\@thanks\@empty
16529 \global\let\@author\@empty
16530 \global\let\@title\@empty
16531 \global\let\@date\@empty
16532 \global\let\title\relax
16533 \global\let\author\relax
16534 \global\let\date\relax
16535 \global\let\and\relax
16536 }
16537 \def\@maketitle{%
16538 \newpage
16539 \null

```



```

16540 \vskip 2em%
16541 \if@titlecentered
16542 \begin{center}%
16543 \let \footnote \thanks
16544 \let \LTRfootnote \LTRthanks
16545 \let \RTLfootnote \RTLthanks
16546 {\LARGE \TitleFont \@title \par}%
16547 \vskip 1.5em%
16548 {\large \TitleFont
16549 \lineskip .5em%
16550 \begin{tabular}[t]{c}%
16551 \@author
16552 \end{tabular}\par}%
16553 \vskip 1em%
16554 {\large \TitleFont \@date}%
16555 \end{center}%
16556 \else
16557 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
16558 {\large \TitleFont \lineskip .5em \tabcolsep\z@
16559 \def\and{%% \begin{tabular} has already started
16560 \end{tabular}\hskip 1em plus .17fil
16561 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}%
16562 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}%
16563 \vskip 1em {\large \TitleFont \@date}
16564 \fi
16565 \par
16566 \vskip 1.5em}
16567 \fi
16568 \renewcommand*\@regtocline[3]{%
16569 \ifnum #1>\c@tocdepth
16570 \else
16571 \vskip\z@\@plus.2\p@
16572 {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
16573 \if@RTL\righskip\else\leftskip\fi\unitindent
16574 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
16575 \parfillskip\z@
16576 \@tempdima\unitindent
16577 \parindent\z@
16578 \leavevmode
16579 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
16580 \hskip 1em \nobreak{\slshape #3}\par
16581 }%
16582 \fi}
16583 \if@oldtoc
16584 \renewcommand*\l@part[2]{%
16585 \ifnum \c@tocdepth >-2\relax
16586 \addpenalty{-\@highpenalty}%
16587 \addvspace{2.25em \@plus\p@}%
16588 \begingroup
16589 \setlength\@tempdima{3em}%
16590 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
16591 \parfillskip -\@pnumwidth
16592 {\leavevmode
16593 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par

```



```

16594         \nobreak
16595         \global\@nobreaktrue
16596         \everypar{\global\@nobreakfalse\everypar{}}%
16597     \endgroup
16598 \fi}
16599 \else
16600     \renewcommand*\l@part{%
16601         \ifnum \c@tocdepth >-2\relax
16602             \addpenalty{-\@highpenalty}%
16603             \addvspace{2.25em \@plus \p@}%
16604             \@regtocline{0}%
16605         \fi}
16606 \fi
16607 \if@oldtoc
16608 \renewcommand*\l@chapter[2]{%
16609     \addpenalty{-\@highpenalty}%
16610     \vskip 1.0em \@plus\p@
16611     \setlength\@tempdima{1.5em}%
16612     \begingroup
16613     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16614     \parfillskip -\@pnumwidth
16615     \leavevmode \bfseries
16616     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16617     \hskip -\if@RTL\rightskip\else\leftskip\fi
16618     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16619     \penalty\@highpenalty
16620     \endgroup}
16621 \else
16622     \renewcommand*\l@chapter{\@regtocline{0}}
16623 \fi
16624 \renewcommand*\head@style{%
16625     \interlinepenalty \@M
16626     \hyphenpenalty=\@M \exhyphenpenalty=\@M
16627     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16628 \if@titlepage
16629     \renewenvironment{abstract}{%
16630         \titlepage
16631         \null\vfil
16632         \section*{\SectFont\abstractname}%
16633         \noindent\ignorespaces}
16634     {\par\vfil\null\endtitlepage}
16635 \else
16636     \renewenvironment{abstract}{%
16637         \if@twocolumn
16638             \section*{\abstractname}%
16639         \else
16640             \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16641             \section*{\small\SectFont\abstractname}%
16642             \noindent\ignorespaces
16643         \fi}
16644     {\if@twocolumn\else\par\egroup\fi}
16645 \fi
16646 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16647 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}

```



```

16648 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16649 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16650 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16651 \renewcommand*\thefigure{%
16652   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
16653 \renewcommand*\thetable{%
16654   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16655 \renewcommand*\theequation{%
16656   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
16657 \renewenvironment{thebibliography}[1]
16658   {\chapter*\bibname}%
16659   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16660   \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
16661   \bidi@thebibliography@font@hook%
16662   \list{\@biblabel{\@arabic\c@enumiv}}%
16663     {\settowidth\labelwidth{\@biblabel{#1}}%
16664      \leftmargin\labelwidth
16665      \advance\leftmargin\labelsep
16666      \@openbib@code
16667      \usecounter{enumiv}%
16668      \let\p@enumiv\@empty
16669      \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16670   \sloppy\clubpenalty4000\widowpenalty4000%
16671   \sfcode\.\@m}
16672   {\def\@noitemerr
16673     {\@latex@warning{Empty `thebibliography' environment}}}%
16674   \endlist}
16675 \renewcommand*\left@footnoterule{%
16676   \kern-3\p@
16677   \kern.5\baselineskip
16678   \hrule\@width\unitindent
16679   \kern.4\baselineskip
16680 }
16681 \renewcommand*\right@footnoterule{%
16682   \kern-3\p@
16683   \kern.5\baselineskip
16684   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16685   \kern.4\baselineskip}
16686 \renewcommand*\head@style{%
16687   \interlinepenalty \@M
16688   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16689   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

105 File refrep-xetex-bidi.def

```

16690 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for X
16691 \if@titlepage
16692   \renewcommand\maketitle{\begin{titlepage}%
16693     \let\footnotesize\small
16694     \let\right@footnoterule\relax
16695     \let\left@footnoterule\relax
16696     \let\textwidth\footnoterule\relax
16697     \let\footnote\thanks
16698     \let\LTRfootnote\LTRthanks

```



```

16699 \let\RTLfootnote\RTLthanks
16700 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16701 \def\@makefnmark%
16702     {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16703 \long\def\@makefntext##1{%
16704     \setpar{\@par
16705         \@tempdima = \hsize
16706         \advance\@tempdima -1em
16707         \parshape \@ne 1em \@tempdima}%
16708     \par\parindent 1em \noindent
16709     \hb@xt@\z@\{ \hss \@textsuperscript{\normalfont\@thefnmark} \}, ##1}
16710 \null\vfil
16711 \vskip 60\p@
16712 \begin{center}%
16713     {\LARGE \@title \par}%
16714     \vskip 3em%
16715     {\large
16716         \lineskip .75em%
16717         \begin{tabular}[t]{c}%
16718             \@author
16719             \end{tabular}\par}%
16720     \vskip 1.5em%
16721     {\large \@date \par}%           % Set date in \large size.
16722 \end{center}\par
16723 \@thanks
16724 \vfil\null
16725 \end{titlepage}%
16726 \setcounter{footnote}{0}%
16727 \global\let\thanks\relax
16728 \global\let\LTRthanks\relax
16729 \global\let\RTLthanks\relax
16730 \global\let\maketitle\relax
16731 \global\let\@thanks\@empty
16732 \global\let\@author\@empty
16733 \global\let\@date\@empty
16734 \global\let\@title\@empty
16735 \global\let\title\relax
16736 \global\let\author\relax
16737 \global\let\date\relax
16738 \global\let\and\relax
16739 }
16740 \else
16741 \renewcommand\maketitle{\par
16742     \begingroup
16743     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16744     \def\@makefnmark%
16745         {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16746     \long\def\@makefntext##1{%
16747         \setpar{\@par
16748             \@tempdima = \hsize
16749             \advance\@tempdima -1em
16750             \parshape \@ne 1em \@tempdima}%
16751         \par\parindent 1em \noindent
16752         \hb@xt@\z@\{ \hss \@textsuperscript{\normalfont\@thefnmark} \}, ##1}

```




```

16753     \if@twocolumn
16754         \ifnum \col@number=\@ne
16755             \@maketitle
16756         \else
16757             \twocolumn[\@maketitle]%
16758         \fi
16759     \else
16760         \newpage
16761         \global\@topnum\z@    % Prevents figures from going at top of page.
16762         \@maketitle
16763     \fi
16764     \thispagestyle{empty}\@thanks
16765 \endgroup
16766 \setcounter{footnote}{0}%
16767 \global\let\thanks\relax
16768 \global\let\LTRthanks\relax
16769 \global\let\RTLthanks\relax
16770 \global\let\maketitle\relax
16771 \global\let\@maketitle\relax
16772 \global\let\@thanks\@empty
16773 \global\let\@author\@empty
16774 \global\let\@date\@empty
16775 \global\let\@title\@empty
16776 \global\let\title\relax
16777 \global\let\author\relax
16778 \global\let\date\relax
16779 \global\let\and\relax
16780 }
16781 \def\@maketitle{%
16782     \newpage
16783     \null
16784     \longthickrule\vskip1.5em%
16785     \let \footnote \thanks
16786     \let \LTRfootnote \LTRthanks
16787     \let \RTLfootnote \RTLthanks
16788     {\secshape \parskip\z@ \parindent\z@
16789     \Large\bfseries \@title \par}%
16790     \vskip1.5em\longthickrule\vskip1.5em%
16791     {\normalsize
16792     \lineskip .5em%
16793     \begin{flushright}%
16794         {\slshape\@author\par}
16795         \vskip 1em%
16796         {\@date}%
16797     \end{flushright}\par}%
16798     \vskip 1.5em}
16799 \fi
16800 \renewcommand*\l@part[2]{%
16801     \ifnum \c@tocdepth >-2\relax
16802         \addpenalty{-\@highpenalty}%
16803         \addvspace{2.25em \@plus\p@}%
16804         \begingroup
16805             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16806             \parfillskip -\@pnumwidth

```



```

16807     {\leavevmode
16808       \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16809       \nobreak
16810       \global\@nobreaktrue
16811       \everypar{\global\@nobreakfalse\everypar{}}%
16812     \endgroup
16813   \fi}
16814 \renewcommand*\l@chapter[2]{%
16815   \ifnum \c@tocdepth >\m@ne
16816     \addpenalty{-\@highpenalty}%
16817     \vskip 1.0em \@plus\p@
16818     \setlength\@tempdima{1.5em}%
16819     \begingroup
16820     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16821     \parfillskip -\@pnumwidth
16822     \leavevmode \bfseries
16823     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16824     \hskip -\if@RTL\rightskip\else\leftskip\fi
16825     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16826     \penalty\@highpenalty
16827   \endgroup
16828   \fi}
16829 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16830   \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16831   \hyphenpenalty=2000}
16832 \renewcommand\left@footnoterule{%
16833   \kern-3\p@
16834   \hrule\@width.4\columnwidth
16835   \kern 2.6\p@}
16836 \renewcommand\right@footnoterule{%
16837   \kern-3\p@
16838   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16839   \kern2.6\p@}
16840 \renewcommand\theequation
16841 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16842 \renewcommand\thefigure
16843 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16844 \renewcommand\thetable%
16845 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16846 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16847 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16848 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16849 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16850 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16851 \renewenvironment{thebibliography}[1]
16852 {\chapter*{\bibname
16853   \@mkboth{\bibname}{\bibname}}%
16854   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16855   \bidi@thebibliography@font@hook%
16856   \list{\@biblabel{\@arabic\c@enumiv}}%
16857     {\settowidth\labelwidth{\@biblabel{#1}}%
16858     \leftmargin\labelwidth
16859     \advance\leftmargin\labelsep
16860     \@openbib@code

```



```

16861         \usecounter{enumiv}%
16862         \let\p@enumiv\@empty
16863         \renewcommand\theenumiv{\@arabic\c@enumiv}}}%
16864         \sloppy
16865         \clubpenalty4000
16866         \@clubpenalty \clubpenalty
16867         \widowpenalty4000%
16868     \sfcode`\.=\@m}
16869 {\def\@noitemerr
16870     {\@latex@warning{Empty `thebibliography' environment}}}%
16871     \endlist}

```

106 File report-xetex-bidi.def

```

16872 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report cl
16873 \renewenvironment{theindex}
16874     {\if@twocolumn
16875         \@restonecolfalse
16876         \else
16877             \@restonecoltrue
16878         \fi
16879         \columnseprule \z@
16880         \columnsep 35\p@
16881         \twocolumn[\@makeschapterhead{\indexname}]}%
16882         \@mkboth{\MakeUppercase\indexname}%
16883             {\MakeUppercase\indexname}%
16884         \thispagestyle{plain}\parindent\z@
16885         \parskip\z@ \@plus .3\p@\relax
16886         \let\item\@idxitem}
16887     {\if@restonecol\onecolumn\else\clearpage\fi}
16888 \if@titlepage
16889 \renewcommand\maketitle{\begin{titlepage}%
16890 \let\footnotesize\small
16891 \let\right@footnoterule\relax
16892 \let\left@footnoterule\relax
16893 \let\textwidth@footnoterule\relax
16894 \let \footnote \thanks
16895 \let \LTRfootnote \LTRthanks
16896 \let \RTLfootnote \RTLthanks
16897 \null\vfil
16898 \vskip 60\p@
16899 \begin{center}%
16900     {\LARGE \@title \par}%
16901     \vskip 3em%
16902     {\large
16903         \lineskip .75em%
16904         \begin{tabular}[t]{c}%
16905             \@author
16906             \end{tabular}\par}%
16907         \vskip 1.5em%
16908         {\large \@date \par}%           % Set date in \large size.
16909 \end{center}\par
16910 \@thanks
16911 \vfil\null

```



```

16912 \end{titlepage}%
16913 \setcounter{footnote}{0}%
16914 \global\let\thanks\relax
16915 \global\let\LTRthanks\relax
16916 \global\let\RTLthanks\relax
16917 \global\let\maketitle\relax
16918 \global\let\@thanks\@empty
16919 \global\let\@author\@empty
16920 \global\let\@date\@empty
16921 \global\let\@title\@empty
16922 \global\let\title\relax
16923 \global\let\author\relax
16924 \global\let\date\relax
16925 \global\let\and\relax
16926 }
16927 \else
16928 \renewcommand\maketitle{\par
16929 \begingroup
16930 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16931 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16932 \long\def\@makefntext##1{\parindent 1em\noindent
16933 \hb@xt@1.8em{%
16934 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16935 \if@twocolumn
16936 \ifnum \col@number=\@one
16937 \@maketitle
16938 \else
16939 \twocolumn[\@maketitle]%
16940 \fi
16941 \else
16942 \newpage
16943 \global\@topnum\z@ % Prevents figures from going at top of page.
16944 \@maketitle
16945 \fi
16946 \thispagestyle{plain}\@thanks
16947 \endgroup
16948 \setcounter{footnote}{0}%
16949 \global\let\thanks\relax
16950 \global\let\LTRthanks\relax
16951 \global\let\RTLthanks\relax
16952 \global\let\maketitle\relax
16953 \global\let\@maketitle\relax
16954 \global\let\@thanks\@empty
16955 \global\let\@author\@empty
16956 \global\let\@date\@empty
16957 \global\let\@title\@empty
16958 \global\let\title\relax
16959 \global\let\author\relax
16960 \global\let\date\relax
16961 \global\let\and\relax
16962 }
16963 \def\@maketitle{%
16964 \newpage
16965 \null

```



```

16966 \vskip 2em%
16967 \begin{center}%
16968 \let \footnote \thanks
16969 \let \LTRfootnote \LTRthanks
16970 \let \RTLfootnote \RTLthanks
16971 {\LARGE \@title \par}%
16972 \vskip 1.5em%
16973 {\large
16974 \lineskip .5em%
16975 \begin{tabular}[t]{c}%
16976 \@author
16977 \end{tabular}\par}%
16978 \vskip 1em%
16979 {\large \@date}%
16980 \end{center}%
16981 \par
16982 \vskip 1.5em}
16983 \fi
16984 \renewcommand*\l@part[2]{%
16985 \ifnum \c@tocdepth >-2\relax
16986 \addpenalty{-\@highpenalty}%
16987 \addvspace{2.25em \@plus\p@}%
16988 \setlength\@tempdima{3em}%
16989 \begingroup
16990 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16991 \parfillskip -\@pnumwidth
16992 {\leavevmode
16993 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16994 \nobreak
16995 \global\@nobreaktrue
16996 \everypar{\global\@nobreakfalse\everypar{}}%
16997 \endgroup
16998 \fi}
17000 \renewcommand*\l@chapter[2]{%
17001 \ifnum \c@tocdepth >\m@ne
17002 \addpenalty{-\@highpenalty}%
17003 \vskip 1.0em \@plus\p@
17004 \setlength\@tempdima{1.5em}%
17005 \begingroup
17006 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
17007 \parfillskip -\@pnumwidth
17008 \leavevmode \bfseries
17009 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
17010 \hskip -\if@RTL\rightskip\else\leftskip\fi
17011 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
17012 \penalty\@highpenalty
17013 \endgroup
17014 \fi}
17015 \renewcommand\left@footnoterule{%
17016 \kern-3\p@
17017 \hrule\@width.4\columnwidth
17018 \kern2.6\p@}
17019 \renewcommand\right@footnoterule{%
17020 \kern-3\p@

```



```

17020 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17021 \kern2.6\p@}
17022 \renewcommand\theequation
17023 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
17024 \renewcommand \thefigure
17025 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
17026 \renewcommand \thetable
17027 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
17028 \renewcommand \thechapter {\@arabic\c@chapter}
17029 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
17030 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
17031 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
17032 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
17033 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
17034 \def\@makechapterhead#1{%
17035 \vspace*{50\p@}%
17036 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
17037 \ifnum \c@secnumdepth >\m@ne
17038 \huge\bfseries \@chapapp\space \thechapter
17039 \par\nobreak
17040 \vskip 20\p@
17041 \fi
17042 \interlinepenalty\@M
17043 \Huge \bfseries #1\par\nobreak
17044 \vskip 40\p@
17045 }}
17046 \def\@makeschapterhead#1{%
17047 \vspace*{50\p@}%
17048 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
17049 \normalfont
17050 \interlinepenalty\@M
17051 \Huge \bfseries #1\par\nobreak
17052 \vskip 40\p@
17053 }}
17054 \renewenvironment{thebibliography}[1]
17055 {\chapter*{\bibname}%
17056 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
17057 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17058 \bidi@thebibliography@font@hook%
17059 \list{\@biblabel{\@arabic\c@enumiv}}%
17060 {\settowidth\labelwidth{\@biblabel{#1}}%
17061 \leftmargin\labelwidth
17062 \advance\leftmargin\labelsep
17063 \@openbib@code
17064 \usecounter{enumiv}%
17065 \let\p@enumiv\@empty
17066 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
17067 \sloppy
17068 \clubpenalty4000
17069 \@clubpenalty \clubpenalty
17070 \widowpenalty4000%
17071 \sfcode`.\@m}
17072 {\def\@noitemerr
17073 {\@latex@warning{Empty `thebibliography' environment}}}%

```



```
17074 \endlist}
```

107 File rotating-xetex-bidi.def

```
17075 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
17076 \def\end@rotfloat{%
17077   \end{minipage}\end{lrbox}%
17078   \stepcounter{r@tfl@t}%
17079   \rot@label{RF\ther@tfl@t}%
17080   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
17081   \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
17082   \rot@mess@toks\expandafter{\@tempa}
17083   \wd\rot@float@box\z@
17084   \ht\rot@float@box\z@
17085   \dp\rot@float@box\z@
17086   \vboxL to \textheight{%
17087     \setkeys{Grot}{units=360}%
17088     \if@rot@twoside
17089     \else
17090       \let\R@@page\rot@LR
17091     \fi
17092     \ifthenelse{\isodd{\R@@page}}{%
17093       \if@rot@twoside
17094         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
17095       \fi
17096       \vfill
17097       \@@line{%
17098         \hskip\rotFPtop
17099         \rotatebox{90}{\box\rot@float@box}%
17100         \hskip\rotFPbot
17101       }%
17102     }{%
17103       \if@rot@twoside
17104         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
17105       \fi
17106       \@@line{%
17107         \hskip\rotFPbot
17108         \rotatebox{-90}{\box\rot@float@box}%
17109         \hskip\rotFPtop
17110       }%
17111       \vfill
17112     }%
17113     \rot@message{\the\rot@mess@toks}
17114   }%
17115   \end@float
17116 }
17117 \let\endsidewaysfigure\end@rotfloat
17118 \let\endsidewaystable\end@rotfloat
17119 \def\end@rotdblfloat{%
17120   \end{minipage}\end{lrbox}%
17121   \stepcounter{r@tfl@t}%
17122   \rot@label{RF\ther@tfl@t}%
17123   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
17124   \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
```



```

17125 \rot@mess@toks\expandafter{\@tempa}
17126 \@tempdima\ht\rot@float@box
17127 \advance\@tempdima by \dp\rot@float@box
17128 \wd\rot@float@box\z@
17129 \ht\rot@float@box\z@
17130 \dp\rot@float@box\z@
17131 \vboxL to \textheight{%
17132   \setkeys{Grot}{units=360}%
17133   \if@rot@twoside
17134   \else
17135     \let\R@@page\rot@LR
17136   \fi
17137   \ifthenelse{\isodd{\R@@page}}{%
17138     \ifrot@messages
17139       \if@rot@twoside
17140 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
17141 \fi
17142   \fi
17143   \vfill
17144   \@@line{%
17145     \hskip\rotFPtop
17146     \rotatebox{90}{\box\rot@float@box}%
17147     \hskip\rotFPbot
17148   }%
17149   }{%
17150     \ifrot@messages
17151       \if@rot@twoside
17152 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
17153 \fi
17154   \fi%
17155   \@@line{%
17156     \hskip\rotFPbot
17157     \rotatebox{-90}{\box\rot@float@box}%
17158     \hskip\rotFPtop
17159   }%
17160   \vfill
17161   }%
17162   \rot@message{\the\rot@mess@toks}%
17163 }%
17164 \end@dblfloat
17165 }
17166 \def\turn#1{%
17167   \Grot@setangle{#1}%
17168   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
17169 \def\endturn{%
17170   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
17171   \unskip\color@endbox
17172   \Grot@x\z@
17173   \Grot@y\z@
17174   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17175 }
17176 \def\rotate#1{%
17177   \Grot@setangle{#1}%
17178   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}

```




```

17179 \def\endrotate{%
17180 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
17181 \unskip\color@endbox
17182 \Grot@x\z@
17183 \Grot@y\z@
17184 \wd0\z@\dp0\z@\ht0\z@
17185 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17186 }
17187 \def\turnbox#1#2{%
17188 \Grot@setangle{#1}%
17189 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
17190 \Grot@x\z@\Grot@y\z@
17191 \wd0\z@\dp0\z@\ht0\z@
17192 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17193 }
17194 \def\sideways{%
17195 \Grot@setangle{90}%
17196 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
17197 \def\endsideways{%
17198 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
17199 \unskip\color@endbox
17200 \Grot@x\z@
17201 \Grot@y\z@
17202 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17203 }

```

108 File scrartcl-xetex-bidi.def

```

17204 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class f
17205 \newcommand{\scr@saved@LTRfootnotetext}{}
17206 \newcommand{\scr@saved@RTLfootnotetext}{}
17207 \let\scr@saved@footnotetext\@footnotetext
17208 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17209 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17210 \renewcommand{\@footnotetext}[1]{%
17211 \scr@saved@footnotetext{#1}%
17212 \csname FN@mf@prepare\endcsname
17213 }
17214 \renewcommand{\@LTRfootnotetext}[1]{%
17215 \scr@saved@LTRfootnotetext{#1}%
17216 \csname FN@mf@prepare\endcsname
17217 }
17218 \renewcommand{\@RTLfootnotetext}[1]{%
17219 \scr@saved@RTLfootnotetext{#1}%
17220 \csname FN@mf@prepare\endcsname
17221 }
17222 \renewcommand\deffootnote[4][1]{%
17223 \long\def\@makefn#1{%
17224 \setlength{\@tempdimc}{#3}%
17225 \def\@tempa{#1}\ifx\@tempa\@empty
17226 \setpar{\@par
17227 \@tempdima = \hsize
17228 \addtolength{\@tempdima}{-#2}%
17229 \if@RTL\parshape \@ne 0pt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%

```



```

17230 \else
17231 \addtolength{\@tempdimc}{#2}%
17232 \addtolength{\@tempdimc}{-#1}%
17233 \@setpar{\@par
17234 \@tempdima = \hsize
17235 \addtolength{\@tempdima}{-#1}%
17236 \@tempdimb = \hsize
17237 \addtolength{\@tempdimb}{-#2}%
17238 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
17239 }%
17240 \fi
17241 \par
17242 \parindent\@tempdimc\noindent
17243 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17244 }%
17245 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17246 }
17247 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17248 \renewcommand*\left@footnoterule{%
17249 \normalsize\ftn@rule@test@values
17250 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17251 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17252 {\usekomafont{footnoterule}{%
17253 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17254 \kern 2.6\p@}
17255 \renewcommand*\right@footnoterule{%
17256 \normalsize\ftn@rule@test@values
17257 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17258 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17259 {\usekomafont{footnoterule}{%
17260 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
17261 \kern 2.6\p@}
17262 \renewcommand*\maketitle[1][1]{%
17263 \if@titlepage
17264 \begin{titlepage}
17265 \setcounter{page}{%
17266 #1%
17267 }%
17268 \let\footnotesize\small
17269 \let\right@footnoterule\relax
17270 \let\left@footnoterule\relax
17271 \let\textwidth\footnoterule\relax
17272 \let\footnote\thanks
17273 \let\LTRfootnote\LTRthanks
17274 \let\RTLfootnote\RTLthanks
17275 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17276 \let\@oldmakefnmark\@makefnmark
17277 \renewcommand*\@makefnmark{\rlap{\@oldmakefnmark}}%
17278 \ifx\@extratitle\@empty \else
17279 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17280 \thispagestyle{empty}%
17281 \fi
17282 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@update@relative
17283 \ifx\@titlehead\@empty \else

```



```

17284      \begin{minipage}[t]{\textwidth}%
17285      \@titlehead
17286      \end{minipage}\par
17287      \fi
17288      \null\vfill
17289      \begin{center}
17290      \ifx\@subject\@empty \else
17291      {\subject@font \@subject \par}%
17292      \vskip 3em
17293      \fi
17294      {\titlefont\huge \@title\par}%
17295      \vskip 1em
17296      {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17297      \vskip 2em
17298      {\Large \lineskip 0.75em
17299      \begin{tabular}[t]{c}
17300      \@author
17301      \end{tabular}\par
17302      }%
17303      \vskip 1.5em
17304      {\Large \@date \par}%
17305      \vskip \z@ \@plus3fill
17306      {\Large \@publishers \par}%
17307      \vskip 3em
17308      \end{center}\par
17309      \@thanks
17310      \vfill\null
17311      \if@twoside\next@tpage
17312      \begin{minipage}[t]{\textwidth}
17313      \@uppertitleback
17314      \end{minipage}\par
17315      \vfill
17316      \begin{minipage}[b]{\textwidth}
17317      \@lowertitleback
17318      \end{minipage}
17319      \fi
17320      \ifx\@dedication\@empty \else
17321      \next@tpage\null\vfill
17322      {\centering \Large \@dedication \par}%
17323      \vskip \z@ \@plus3fill
17324      \if@twoside \next@tpage\cleardoubleemptypage \fi
17325      \fi
17326      \end{titlepage}
17327      \else
17328      \par
17329      \@tempcnta=%
17330      #1%
17331      \relax\ifnum\@tempcnta=1\else
17332      \ClassWarning{\KOMAClassName}{%
17333      Optional argument of \string\maketitle\space ignored
17334      at\MessageBreak
17335      notitlepage-mode%
17336      }%
17337      \fi

```



```

17338 \beginngroup
17339 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17340 \let\@oldmakefnmark\@makefnmark
17341 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17342 \if@twocolumn
17343 \ifnum \col@number=\@one
17344 \@maketitle
17345 \else
17346 \twocolumn[\@maketitle]%
17347 \fi
17348 \else
17349 \newpage
17350 \global\@topnum\z@
17351 \@maketitle
17352 \fi
17353 \thispagestyle{\titlepagestyle}\@thanks
17354 \endgroup
17355 \fi
17356 \setcounter{footnote}{0}%
17357 \let\thanks\relax
17358 \let\LTRthanks\relax
17359 \let\RTLthanks\relax
17360 \let\maketitle\relax
17361 \let\@maketitle\relax
17362 \global\let\@thanks\@empty
17363 \global\let\@author\@empty
17364 \global\let\@date\@empty
17365 \global\let\@title\@empty
17366 \global\let\@subtitle\@empty
17367 \global\let\@extratitle\@empty
17368 \global\let\@titlehead\@empty
17369 \global\let\@subject\@empty
17370 \global\let\@publishers\@empty
17371 \global\let\@uppertitleback\@empty
17372 \global\let\@lowertitleback\@empty
17373 \global\let\@dedication\@empty
17374 \global\let\author\relax
17375 \global\let\title\relax
17376 \global\let\extratitle\relax
17377 \global\let\titlehead\relax
17378 \global\let\subject\relax
17379 \global\let\publishers\relax
17380 \global\let\uppertitleback\relax
17381 \global\let\lowertitleback\relax
17382 \global\let\dedication\relax
17383 \global\let\date\relax
17384 \global\let\and\relax
17385 }%
17386 \renewcommand*{\@maketitle}{%
17387 \clearpage
17388 \let\footnote\thanks
17389 \let\LTRfootnote\LTRthanks
17390 \let\RTLfootnote\RTLthanks
17391 \ifx\@extratitle\@empty \else

```



```

17392 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17393 \fi
17394 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17395 \ifx\@titlehead\@empty \else
17396 \begin{minipage}[t]{\textwidth}
17397 \@titlehead
17398 \end{minipage}\par
17399 \fi
17400 \null
17401 \vskip 2em%
17402 \begin{center}%
17403 \ifx\@subject\@empty \else
17404 {\subject@font \@subject \par}
17405 \vskip 1.5em
17406 \fi
17407 {\titlefont\huge \@title \par}%
17408 \vskip .5em
17409 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17410 \vskip 1em
17411 {\Large
17412 \lineskip .5em%
17413 \begin{tabular}[t]{c}
17414 \@author
17415 \end{tabular}\par
17416 }%
17417 \vskip 1em%
17418 {\Large \@date \par}%
17419 \vskip \z@ \@plus 1em
17420 {\Large \@publishers \par}
17421 \ifx\@dedication\@empty \else
17422 \vskip 2em
17423 {\Large \@dedication \par}
17424 \fi
17425 \end{center}%
17426 \par
17427 \vskip 2em
17428 }%
17429 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17430 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
17431 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17432 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17433 \renewcommand*{\thesubsubsection}{%
17434 \thesubsection\@SepMark\@arabic\c@subsubsection
17435 }
17436 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17437 \renewcommand*{\thesubparagraph}{%
17438 \theparagraph\@SepMark\@arabic\c@subparagraph
17439 }
17440 \renewenvironment{thebibliography}[1]{%
17441 \if@bib@break@
17442 \bib@beginhook
17443 \else
17444 \bib@heading
17445 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else

```



```

17446      \noindent\bibpreamble\par\nobreak
17447      \fi\fi
17448      \bib@beginhook
17449      \bib@before@hook
17450  \fi
17451  \renewcommand{\BreakBibliography}[1]{%
17452    \@bib@break
17453    \end{thebibliography}%
17454    \begingroup ##1\endgroup
17455    \begin{thebibliography}{#1}
17456  }%
17457  \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17458  \bidi@thebibliography@font@hook%
17459  \list{%
17460    \@biblabel{\@arabic\c@enumiv}%
17461  }{%
17462    \settowidth\labelwidth{\@biblabel{#1}}%
17463    \leftmargin\labelwidth
17464    \advance\leftmargin\labelsep
17465    \@openbib@code
17466    \if@bib@break@
17467      \edef\@tempa{%
17468        \noexpand\usecounter{enumiv}%
17469        \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17470      }\@tempa
17471      \no@bib@break
17472    \else
17473      \usecounter{enumiv}%
17474      \fi
17475      \let\p@enumiv\@empty
17476      \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17477    }%
17478    \sloppy\clubpenalty4000 \widowpenalty4000
17479    \sfcode`\.=\@m
17480  }{%
17481    \if@bib@break@
17482      \def\@noitemerr{%
17483        \@latex@warning{%
17484          \string\BreakBibliography\space at begin of `thebibliography'
17485          environment\MessageBreak
17486          or following \string\BreakBibliography}%
17487      }%
17488    \else
17489      \def\@noitemerr{%
17490        \@latex@warning{%
17491          Empty `thebibliography' environment or
17492          \string\BreakBibliography\MessageBreak
17493          before end of `thebibliography' environment}%
17494      }%
17495    \fi
17496    \endlist
17497    \if@bib@break@
17498  \else
17499    \bib@after@hook

```



```

17500 \let\bib@before@hook\@empty
17501 \let\bib@after@hook\@empty
17502 \fi
17503 \bib@endhook
17504 }
17505 \renewcommand*\left@footnoterule{%
17506 \kern-3\p@
17507 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17508 \hrule\@width.4\columnwidth
17509 \kern 2.6\p@}
17510 \renewcommand*\right@footnoterule{%
17511 \kern-3\p@
17512 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17513 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17514 \kern2.6\p@}
17515 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17516 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17517 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17518 \renewcommand\marginline[1]{%
17519 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17520 }
17521 \renewcommand{\@makecaption}[3]{%
17522 \cap@margin
17523 \ifonelinecaptions
17524 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17525 \let\scr@tmp@footnotetext=\@footnotetext
17526 \let\@footnotetext=\@gobble
17527 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17528 \let\@LTRfootnotetext=\@gobble
17529 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17530 \let\@RTLfootnotetext=\@gobble
17531 \sbox\@tempboxa{%
17532 {\capfont{\strut\ignorespaces
17533 #1{\caplabelfont{#2\captionformat}}}%
17534 #3\unskip\strut}}%
17535 }%
17536 \let\@footnotetext=\scr@tmp@footnotetext
17537 \let\scr@tmp@footnotetext=\undefined
17538 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17539 \let\scr@tmp@LTRfootnotetext=\undefined
17540 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17541 \let\scr@tmp@RTLfootnotetext=\undefined
17542 \setcounter{footnote}{\@tempcntb}%
17543 \setcounter{mpfootnote}{\@tempcnta}%
17544 \else
17545 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17546 \fi
17547 \begingroup%
17548 \setlength{\@tempdima}{\cap@width}%
17549 \ifdim \wd\@tempboxa >\@tempdima
17550 \hb@xt@\hsize{%
17551 \setbox\@tempboxa\vbox{\hsize=\cap@width
17552 \ifdofullc@p
17553 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces

```



```

17554         #1{{\caplabelfont{#2\captionformat}}}}}%
17555         {#3\unskip\strut\par}}}%
17556     \else%
17557         \ifdim\cap@indent<\z@
17558         {\capfont{\strut\ignorespaces
17559         #1{{\caplabelfont{#2\captionformat\par}}}}%
17560         \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}}%
17561     \else%
17562         \if@capbreak
17563         {\capfont{\strut\ignorespaces
17564         #1{{\caplabelfont{#2\captionformat\par}}}}%
17565         \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17566     \else
17567         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17568         {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17569         {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17570     \fi
17571 \fi
17572 \fi
17573 }%
17574 \setlength{\@tempdima}{\ht\@tempboxa}%
17575 \addtolength{\@tempdima}{\dp\@tempboxa}%
17576 \addtolength{\@tempdima}{-\ht\strutbox}%
17577 \ht\@tempboxa\ht\strutbox
17578 \dp\@tempboxa\@tempdima
17579 \strut\cap@left
17580 \box\@tempboxa
17581 \cap@right\strut
17582 }%
17583 \else
17584 \global \@minipagefalse
17585 \sbox\@tempboxa{%
17586     {\capfont{\scr@smashdp{\strut\ignorespaces
17587     #1{{\caplabelfont{#2\captionformat}}}}}%
17588     #3}}%
17589 }%
17590 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi}}
17591 \fi
17592 \endgroup
17593 }
17594 \renewcommand{\@makecaption}[2]{%
17595     \if@captionabove
17596         \vskip\belowcaptionskip
17597     \else
17598         \vskip\abovecaptionskip
17599     \fi
17600     \@makecaption\@firstofone{#1}{#2}%
17601     \if@captionabove
17602         \vskip\abovecaptionskip
17603     \else
17604         \vskip\belowcaptionskip
17605     \fi
17606 }
17607 \bidi@AfterFile{longtable-xetex-bidi.def}{%

```




```

17608 \@ifpackageloaded{caption2}{\@komalongtablefalse
17609 \scr@caption@before@longtable@warning{caption2}%
17610 }{}%
17611 \if@komalongtable
17612 \renewcommand{\LT@makecaption}[3]{%
17613 \noalign{%
17614 \if@captionabove
17615 \vskip\belowcaptionskip
17616 \else
17617 \vskip\abovecaptionskip
17618 \fi
17619 }%
17620 \LT@mc@col\LT@cols c{%
17621 \hbox to\z@{\hss\parbox[t]{\linewidth{%
17622 \@makecaption{#1}{#2}{#3}%
17623 \endgraf
17624 \if@captionabove
17625 \vskip\abovecaptionskip
17626 \else
17627 \vskip\belowcaptionskip
17628 \fi
17629 }%
17630 \hss
17631 }%
17632 }%
17633 }%
17634 \renewcommand*{\scr@LT@array}{}%
17635 \let\scr@LT@array=\LT@array
17636 \renewcommand*{\LT@array}{}%
17637 \let\scr@caption=\LT@caption
17638 \def\captionabove{\noalign{\global\@captionabovetrue}%
17639 \scr@caption}%
17640 \def\captionbelow{\noalign{\global\@captionabovefalse}%
17641 \scr@caption}%
17642 \if@tablecaptionabove
17643 \let\LT@caption=\captionabove
17644 \else
17645 \let\LT@caption=\captionbelow
17646 \fi
17647 \scr@LT@array
17648 }%
17649 \ClassInfo{\KOMAClassName}{%
17650 longtable captions redefined%
17651 }%
17652 \fi
17653 }
17654
17655 \CloneTOCEntryStyle{tocline}{part}
17656 \TOCEntryStyleStartInitCode{part}{%
17657 \expandafter\renewcommand%
17658 \csname scr@tso@#1@linefill\endcsname{\hfill}%
17659 \expandafter\renewcommand%
17660 \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17661 \expandafter\renewcommand%

```



```

17662 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17663   \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17664 \expandafter\renewcommand\expandafter*%
17665 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17666 }
17667
17668 \CloneTOCEntryStyle{tocline}{section}
17669 \TOCEntryStyleStartInitCode{section}{%
17670   \expandafter\renewcommand%
17671   \csname scr@tso@#1@linefill\endcsname{%
17672     \if@sectionentrywithdots
17673       \TOCLineLeaderFill\relax
17674     \else
17675       \hfill
17676     \fi
17677   }%
17678   % F^fcr die Eintr^e4ge die Schrift von Element sectionentry verwenden.
17679   \expandafter\renewcommand%
17680   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}}%
17681   \expandafter\renewcommand%
17682   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{
17683     \expandafter\renewcommand\expandafter*%
17684     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17685   }
17686
17687   \CloneTOCEntryStyle{tocline}{subsection}
17688   \TOCEntryStyleStartInitCode{subsection}{%
17689     \expandafter\renewcommand%
17690     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17691   }
17692
17693   \CloneTOCEntryStyle{subsection}{default}
17694
17695   \DeclareSectionCommand[%
17696     style=part,%
17697     level=\z@,%
17698     tocstyle=part,%
17699     toclevel=\m@ne,%
17700     tocindent=\z@,%
17701     tocnumwidth=2em%
17702   ]{part}
17703   \DeclareSectionCommand[%
17704     style=section,%
17705     level=1,%
17706     indent=\z@,%
17707     beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17708     afterskip=2.3ex \@plus.2ex,%
17709     tocstyle=section,%
17710     tocindent=0pt,%
17711     tocnumwidth=1.5em%
17712   ]{section}
17713   \DeclareSectionCommand[%
17714     style=section,%
17715     level=2,%

```



```

17716 indent=\z@,%
17717 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17718 afterskip=1.5ex \@plus .2ex,%
17719 tocstyle=subsection,%
17720 tocindent=1.5em,%
17721 tocnumwidth=2.3em%
17722 ]{subsection}
17723 \DeclareSectionCommand[%
17724 style=section,%
17725 level=3,%
17726 indent=\z@,%
17727 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17728 afterskip=1.5ex \@plus .2ex,%
17729 tocstyle=subsection,%
17730 tocindent=3.8em,%
17731 tocnumwidth=3.2em%
17732 ]{subsubsection}
17733 \DeclareSectionCommand[%
17734 style=section,%
17735 level=4,%
17736 indent=\z@,%
17737 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17738 afterskip=-1em,%
17739 tocstyle=subsection,%
17740 tocindent=7.0em,%
17741 tocnumwidth=4.1em%
17742 ]{paragraph}
17743 \DeclareSectionCommand[%
17744 style=section,%
17745 level=5,%
17746 indent=\scr@parindent,%
17747 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
17748 afterskip=-1em,%
17749 tocstyle=subsection,%
17750 tocindent=10em,%
17751 tocnumwidth=5em%
17752 ]{subparagraph}

```

109 File scrbook-xetex-bidi.def

```

17753 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for
17754 \newcommand{\scr@saved@LTRfootnotetext}{}
17755 \newcommand{\scr@saved@RTLfootnotetext}{}
17756 \let\scr@saved@footnotetext\@footnotetext
17757 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17758 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17759 \renewcommand{\@footnotetext}[1]{%
17760 \scr@saved@footnotetext{#1}%
17761 \csname FN@mfb@prepare\endcsname
17762 }
17763 \renewcommand{\@LTRfootnotetext}[1]{%
17764 \scr@saved@LTRfootnotetext{#1}%
17765 \csname FN@mfb@prepare\endcsname
17766 }

```



```

17767 \renewcommand{\@RTLfootnotetext}[1]{%
17768   \scr@saved@RTLfootnotetext{#1}%
17769   \csname FN@mfb@prepare\endcsname
17770 }
17771 \renewcommand\deffootnote[4][1]{%
17772   \long\def\@makefnmark{#1}%
17773   \setlength{\@tempdimc}{#3}%
17774   \def\@tempa{#1}\ifx\@tempa\@empty
17775     \setpar{\@par
17776       \@tempdima = \hsize
17777       \addtolength{\@tempdima}{-#2}%
17778       \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17779   \else
17780     \addtolength{\@tempdimc}{#2}%
17781     \addtolength{\@tempdimc}{-#1}%
17782     \setpar{\@par
17783       \@tempdima = \hsize
17784       \addtolength{\@tempdima}{-#1}%
17785       \@tempdimb = \hsize
17786       \addtolength{\@tempdimb}{-#2}%
17787       \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
17788     }%
17789     \fi
17790     \par
17791     \parindent\@tempdimc\noindent
17792     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17793   }%
17794   \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
17795 }
17796 \deffootnote[1em][1.5em][1em]{\textsuperscript{\thefootnotemark}}
17797 \renewcommand*\left@footnoterule{%
17798   \normalsize\ftn@rule@test@values
17799   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17800   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17801   {\usekomafont{footnoterule}{%
17802     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17803   \kern 2.6\p@}
17804 \renewcommand*\right@footnoterule{%
17805   \normalsize\ftn@rule@test@values
17806   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17807   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17808   {\usekomafont{footnoterule}{%
17809     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\
17810     \kern 2.6\p@}
17811 \renewcommand*\maketitle[1][1]{%
17812   \if@titlepage
17813     \begin{titlepage}
17814       \setcounter{page}{%
17815         #1%
17816       }%
17817       \let\footnotesize\small
17818       \let\right@footnoterule\relax
17819       \let\left@footnoterule\relax
17820       \let\textwidth\footnoterule\relax

```



```

17821 \let\footnote\thanks
17822 \let\LTRfootnote\LTRthanks
17823 \let\RTLfootnote\RTLthanks
17824 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17825 \let\@oldmakefnmark\@makefnmark
17826 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
17827 \ifx\@extratitle\@empty \else
17828   \noindent\@extratitle\next@tpage\cleardoubleemptypage
17829   \thispagestyle{empty}%
17830 \fi
17831 \setparsizes{z@}{z@}{z@\@plus 1fil}\par@updaterelative
17832 \ifx\@titlehead\@empty \else
17833   \begin{minipage}[t]{\textwidth}%
17834     \@titlehead
17835   \end{minipage}\par
17836 \fi
17837 \null\vfill
17838 \begin{center}
17839   \ifx\@subject\@empty \else
17840     {\subject@font \@subject \par}%
17841     \vskip 3em
17842   \fi
17843   {\titlefont\huge \@title\par}%
17844   \vskip 1em
17845   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17846   \vskip 2em
17847   {\Large \lineskip 0.75em
17848     \begin{tabular}[t]{c}
17849       \@author
17850     \end{tabular}\par
17851   }%
17852   \vskip 1.5em
17853   {\Large \@date \par}%
17854   \vskip z@ \@plus3fill
17855   {\Large \@publishers \par}%
17856   \vskip 3em
17857 \end{center}\par
17858 \@thanks
17859 \vfill\null
17860 \if@twoside\next@tpage
17861   \begin{minipage}[t]{\textwidth}
17862     \@uppertitleback
17863   \end{minipage}\par
17864   \vfill
17865   \begin{minipage}[b]{\textwidth}
17866     \@lowertitleback
17867   \end{minipage}
17868 \fi
17869 \ifx\@dedication\@empty \else
17870   \next@tpage\null\vfill
17871   {\centering \Large \@dedication \par}%
17872   \vskip z@ \@plus3fill
17873   \if@twoside \next@tpage\cleardoubleemptypage \fi
17874 \fi

```



```

17875 \end{titlepage}
17876 \else
17877 \par
17878 \@tempcnta=%
17879 #1%
17880 \relax\ifnum\@tempcnta=1\else
17881 \ClassWarning{\KOMAClassName}{%
17882 Optional argument of \string\maketitle\space ignored
17883 at\MessageBreak
17884 notitlepage-mode%
17885 }%
17886 \fi
17887 \begingroup
17888 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17889 \let\@oldmakefnmark\@makefnmark
17890 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
17891 \if@twocolumn
17892 \ifnum \col@number=\@one
17893 \@maketitle
17894 \else
17895 \twocolumn[\@maketitle]%
17896 \fi
17897 \else
17898 \newpage
17899 \global\@topnum\z@
17900 \@maketitle
17901 \fi
17902 \thispagestyle{\titlepagestyle}\@thanks
17903 \endgroup
17904 \fi
17905 \setcounter{footnote}{0}%
17906 \let\thanks\relax
17907 \let\LTRthanks\relax
17908 \let\RTLthanks\relax
17909 \let\maketitle\relax
17910 \let\@maketitle\relax
17911 \global\let\@thanks\@empty
17912 \global\let\@author\@empty
17913 \global\let\@date\@empty
17914 \global\let\@title\@empty
17915 \global\let\@subtitle\@empty
17916 \global\let\@extratitle\@empty
17917 \global\let\@titlehead\@empty
17918 \global\let\@subject\@empty
17919 \global\let\@publishers\@empty
17920 \global\let\@uppertitleback\@empty
17921 \global\let\@lowertitleback\@empty
17922 \global\let\@dedication\@empty
17923 \global\let\author\relax
17924 \global\let\title\relax
17925 \global\let\extratitle\relax
17926 \global\let\titlehead\relax
17927 \global\let\subject\relax
17928 \global\let\publishers\relax

```



```

17929 \global\let\uppertitleback\relax
17930 \global\let\lowertitleback\relax
17931 \global\let\dedication\relax
17932 \global\let\date\relax
17933 \global\let\and\relax
17934 }%
17935 \renewcommand*{\@maketitle}{%
17936 \clearpage
17937 \let\footnote\thanks
17938 \let\LTRfootnote\LTRthanks
17939 \let\RTLfootnote\RTLthanks
17940 \ifx\@extratitle\@empty \else
17941 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17942 \fi
17943 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
17944 \ifx\@titlehead\@empty \else
17945 \begin{minipage}[t]{\textwidth}
17946 \@titlehead
17947 \end{minipage}\par
17948 \fi
17949 \null
17950 \vskip 2em%
17951 \begin{center}%
17952 \ifx\@subject\@empty \else
17953 {\subject@font \@subject \par}
17954 \vskip 1.5em
17955 \fi
17956 {\titlefont\huge \@title \par}%
17957 \vskip .5em
17958 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17959 \vskip 1em
17960 {\Large
17961 \lineskip .5em%
17962 \begin{tabular}[t]{c}
17963 \@author
17964 \end{tabular}\par
17965 }%
17966 \vskip 1em%
17967 {\Large \@date \par}%
17968 \vskip \z@ \@plus 1em
17969 {\Large \@publishers \par}
17970 \ifx\@dedication\@empty \else
17971 \vskip 2em
17972 {\Large \@dedication \par}
17973 \fi
17974 \end{center}%
17975 \par
17976 \vskip 2em
17977 }%
17978 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17979 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17980 \renewcommand*\thesection{%
17981 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17982 \if@mainmatter\thechapter\@SepMark\fi

```



```

17983 \else
17984 \thechapter\@SepMark%
17985 \fi
17986 \@arabic\c@section
17987 }
17988 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17989 \renewcommand*{\thesubsubsection}{%
17990 \thesubsection\@SepMark\@arabic\c@subsubsection
17991 }
17992 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17993 \renewcommand*{\thesubparagraph}{%
17994 \theparagraph\@SepMark\@arabic\c@subparagraph
17995 }
17996 \renewcommand*\thefigure{%
17997 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17998 \if@mainmatter\thechapter\@SepMark\fi
17999 \else
18000 \thechapter\@SepMark%
18001 \fi
18002 \@arabic\c@figure
18003 }
18004 \renewcommand*\thetable{%
18005 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
18006 \if@mainmatter\thechapter\@SepMark\fi
18007 \else
18008 \thechapter\@SepMark%
18009 \fi
18010 \@arabic\c@table
18011 }
18012 \renewcommand*\theequation{%
18013 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
18014 \if@mainmatter\thechapter\@SepMark\fi
18015 \else
18016 \thechapter\@SepMark%
18017 \fi
18018 \@arabic\c@equation
18019 }
18020 \renewenvironment{thebibliography}[1]{%
18021 \if@bib@break@
18022 \bib@beginhook
18023 \else
18024 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18025 \setchapterpreamble{\bibpreamble}%
18026 \fi\fi
18027 \bib@heading
18028 \bib@beginhook
18029 \bib@before@hook
18030 \fi
18031 \renewcommand{\BreakBibliography}[1]{%
18032 \@bib@break
18033 \end{thebibliography}%
18034 \begingroup ##1\endgroup
18035 \begin{thebibliography}{#1}
18036 }%

```




```

18037 \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18038 \bidi@thebibliography@font@hook%
18039 \list{%
18040   \@biblabel{\@arabic\c@enumiv}%
18041 }{%
18042   \settowidth\labelwidth{\@biblabel{#1}}%
18043   \leftmargin\labelwidth
18044   \advance\leftmargin\labelsep
18045   \@openbib@code
18046   \if@bib@break@
18047     \edef\@tempa{%
18048       \noexpand\usecounter{enumiv}%
18049       \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18050     }\@tempa
18051     \no@bib@break
18052   \else
18053     \usecounter{enumiv}%
18054   \fi
18055   \let\p@enumiv\@empty
18056   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18057 }%
18058 \sloppy\clubpenalty4000 \widowpenalty4000
18059 \sfcode`\.=\@m
18060 }{%
18061 \if@bib@break@
18062   \def\@noitemerr{%
18063     \@latex@warning{%
18064       \string\BreakBibliography\space at begin of `thebibliography'
18065       environment\MessageBreak
18066       or following \string\BreakBibliography}%
18067   }%
18068 \else
18069   \def\@noitemerr{%
18070     \@latex@warning{%
18071       Empty `thebibliography' environment or
18072       \string\BreakBibliography\MessageBreak
18073       before end of `thebibliography' environment}%
18074   }%
18075 \fi
18076 \endlist
18077 \if@bib@break@
18078 \else
18079   \bib@after@hook
18080   \let\bib@before@hook\@empty
18081   \let\bib@after@hook\@empty
18082 \fi
18083 \bib@endhook
18084 }
18085 \renewcommand*\left@footnoterule{%
18086   \kern-3\p@
18087   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18088   \hrule\@width.4\columnwidth
18089   \kern 2.6\p@}
18090 \renewcommand*\right@footnoterule{%

```



```

18091 \kern-3\p@
18092 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18093 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18094 \kern2.6\p@}
18095 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
18096 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
18097 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
18098 \renewcommand\marginline[1]{%
18099 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright
18100 }
18101 \renewcommand{\@makecaption}[3]{%
18102 \cap@margin
18103 \ifonelinecaptions
18104 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18105 \let\scr@tmp@footnotetext=\@footnotetext
18106 \let\@footnotetext=\@gobble
18107 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18108 \let\@LTRfootnotetext=\@gobble
18109 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18110 \let\@RTLfootnotetext=\@gobble
18111 \sbox\@tempboxa{%
18112 {\capfont{\strut\ignorespaces
18113 #1{\caplabelfont{#2\captionformat}}}%
18114 #3\unskip\strut}}%
18115 }%
18116 \let\@footnotetext=\scr@tmp@footnotetext
18117 \let\scr@tmp@footnotetext=\undefined
18118 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18119 \let\scr@tmp@LTRfootnotetext=\undefined
18120 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18121 \let\scr@tmp@RTLfootnotetext=\undefined
18122 \setcounter{footnote}{\@tempcntb}%
18123 \setcounter{mpfootnote}{\@tempcnta}%
18124 \else
18125 \sbox\@tempboxa{\hspace*{2\cap@width}}%
18126 \fi
18127 \begingroup%
18128 \setlength{\@tempdima}{\cap@width}%
18129 \ifdim \wd\@tempboxa >\@tempdima
18130 \hb@xt@\hsize{%
18131 \setbox\@tempboxa\vbox{\hsize=\cap@width
18132 \ifdofullc@p
18133 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18134 #1{\caplabelfont{#2\captionformat}}}}}%
18135 {\#3\unskip\strut\par}}}%
18136 \else%
18137 \ifdim\cap@indent<\z@
18138 {\capfont{\strut\ignorespaces
18139 #1{\caplabelfont{#2\captionformat\par}}}%
18140 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
18141 \else%
18142 \if@capbreak
18143 {\capfont{\strut\ignorespaces
18144 #1{\caplabelfont{#2\captionformat\par}}}%

```



```

18145         \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
18146     \else
18147         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
18148             {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18149                 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
18150     \fi
18151 \fi
18152 \fi
18153 }%
18154 \setlength{\@tempdima}{\ht\@tempboxa}%
18155 \addtolength{\@tempdima}{\dp\@tempboxa}%
18156 \addtolength{\@tempdima}{-\ht\strutbox}%
18157 \ht\@tempboxa\ht\strutbox
18158 \dp\@tempboxa\@tempdima
18159 \strut\cap@left
18160 \box\@tempboxa
18161 \cap@right\strut
18162 }%
18163 \else
18164     \global \@minipagefalse
18165     \sbox\@tempboxa{%
18166         {\capfont{\scr@smashdp{\strut\ignorespaces
18167             #1{\caplabelfont{#2\captionformat}}}}}%
18168         #3}%
18169     }%
18170     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\
18171 \fi
18172 \endgroup
18173 }
18174 \renewcommand{\@makecaption}[2]{%
18175     \if@captionabove
18176         \vskip\belowcaptionskip
18177     \else
18178         \vskip\abovecaptionskip
18179     \fi
18180     \@makecaption\@firstofone{#1}{#2}%
18181     \if@captionabove
18182         \vskip\abovecaptionskip
18183     \else
18184         \vskip\belowcaptionskip
18185     \fi
18186 }
18187 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18188     \@ifpackageloaded{caption2}{\@komalongtablefalse
18189         \scr@caption@before@longtable@warning{caption2}}%
18190     }{%
18191     \if@komalongtable
18192         \renewcommand{\LT@makecaption}[3]{%
18193             \noalign{%
18194                 \if@captionabove
18195                     \vskip\belowcaptionskip
18196                 \else
18197                     \vskip\abovecaptionskip
18198                 \fi

```



```

18199     }%
18200     \LT@mccl\LT@cols c{%
18201         \hbox to\z@{\hss\parbox[t]{\linewidth{%
18202             \@makecaption{#1}{#2}{#3}%
18203         }\endgraf
18204         \if@captionabove
18205             \vskip\abovcaptionskip
18206         \else
18207             \vskip\belowcaptionskip
18208         \fi
18209     }%
18210     \hss
18211 }%
18212 }%
18213 }%
18214 \renewcommand*{\scr@LT@array}{}%
18215 \let\scr@LT@array=\LT@array
18216 \renewcommand*{\LT@array}{%
18217     \let\scr@caption=\LT@caption
18218     \def\captionabove{\noalign{\global\@captionabovetrue}%
18219         \scr@caption}%
18220     \def\captionbelow{\noalign{\global\@captionabovefalse}%
18221         \scr@caption}%
18222     \if@tablecaptionabove
18223         \let\LT@caption=\captionabove
18224     \else
18225         \let\LT@caption=\captionbelow
18226     \fi
18227     \scr@LT@array
18228 }%
18229 \ClassInfo{\KOMAClassName}{%
18230     longtable captions redefined%
18231 }%
18232 \fi
18233 }
18234
18235 \CloneTOCEntryStyle{tocline}{part}
18236 \TOCEntryStyleStartInitCode{part}{%
18237     \expandafter\renewcommand%
18238     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18239     \expandafter\renewcommand%
18240     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18241     \expandafter\renewcommand%
18242     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18243         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18244     \expandafter\renewcommand\expandafter*%
18245     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18246 }
18247
18248 \CloneTOCEntryStyle{tocline}{chapter}
18249 \TOCEntryStyleStartInitCode{chapter}{%
18250     \expandafter\renewcommand%
18251     \csname scr@tso@#1@linefill\endcsname{%
18252         \if@chapterentrywithdots

```



```

18253      \TOCLineLeaderFill\relax
18254      \else
18255          \hfill
18256      \fi
18257  }%
18258  \expandafter\renewcommand%
18259  \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18260  \expandafter\renewcommand%
18261  \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18262      \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18263  \expandafter\renewcommand\expandafter*%
18264  \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18265  }
18266
18267  \CloneTOCEntryStyle{tocline}{section}
18268  \TOCEntryStyleStartInitCode{section}{%
18269      \expandafter\renewcommand%
18270      \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18271  }
18272
18273  \CloneTOCEntryStyle{section}{default}
18274
18275  \DeclareSectionCommand[%
18276      style=part,%
18277      level=\m@ne,%
18278      pagestyle=plain,%
18279      tocstyle=part,%
18280      toplevel=\m@ne,%
18281      tocindent=\z@,%
18282      tocnumwidth=2em%
18283  ]{part}
18284  \DeclareSectionCommand[%
18285      style=chapter,%
18286      level=\z@,%
18287      pagestyle=plain,%
18288      tocstyle=chapter,%
18289      tocindent=\z@,%
18290      tocnumwidth=1.5em%
18291  ]{chapter}
18292  \DeclareSectionCommand[%
18293      style=section,%
18294      level=1,%
18295      indent=\z@,%
18296      beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
18297      afterskip=2.3ex \@plus.2ex,%
18298      tocstyle=section,%
18299      tocindent=1.5em,%
18300      tocnumwidth=2.3em%
18301  ]{section}
18302  \DeclareSectionCommand[%
18303      style=section,%
18304      level=2,%
18305      indent=\z@,%
18306      beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%

```



```

18307 afterskip=1.5ex \@plus .2ex,%
18308 tocstyle=section,%
18309 tocindent=3.8em,%
18310 tocnumwidth=3.2em%
18311 ]{subsection}
18312 \DeclareSectionCommand[%
18313 style=section,%
18314 level=3,%
18315 indent=\z@,%
18316 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
18317 afterskip=1.5ex \@plus .2ex,%
18318 tocstyle=section,%
18319 tocindent=7.0em,%
18320 tocnumwidth=4.1em%
18321 ]{subsubsection}
18322 \DeclareSectionCommand[%
18323 style=section,%
18324 level=4,%
18325 indent=\z@,%
18326 beforekip=3.25ex \@plus1ex \@minus .2ex,%
18327 afterskip=-1em,%
18328 tocstyle=section,%
18329 tocindent=10em,%
18330 tocnumwidth=5em%
18331 ]{paragraph}
18332 \DeclareSectionCommand[%
18333 style=section,%
18334 level=5,%
18335 indent=\scr@parindent,%
18336 beforekip=3.25ex \@plus1ex \@minus .2ex,%
18337 afterskip=-1em,%
18338 tocstyle=section,%
18339 tocindent=12em,%
18340 tocnumwidth=6em%
18341 ]{subparagraph}
18342
18343

```

110 File scrlettr-xetex-bidi.def

```

18344 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class f
18345 \renewcommand\deffootnote[4] [] {%
18346 \long\def\@makefnrtxt##1{%
18347 \edef\@tempa{#1}\ifx\@tempa\@empty
18348 \setpar{\@par
18349 \tempdima = \hsize
18350 \addtolength{\tempdima}{-#2}
18351 \if@RTL\parshape \One Opt \tempdima\else\parshape \One #2 \tempdima\fi}%
18352 \else
18353 \setpar{\@par
18354 \tempdima = \hsize
18355 \addtolength{\tempdima}{-#1}
18356 \tempdimb = \hsize
18357 \addtolength{\tempdimb}{-#2}

```



```

18358      \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
18359      \fi
18360      \par
18361      \parindent #3\noindent
18362      \hbox to \z@{\hss\@makefnmark}##1}
18363 \def\@makefnmark{\hbox{#4}}
18364 }
18365 \deffootnote[1em]{1.5em}{1em}
18366 {\textsuperscript{\thefootnotemark}}
18367 \def\left@footnoterule{\kern-1\p@
18368 \hrule width 0.4\columnwidth
18369 \kern .6\p@}
18370 \def\right@footnoterule{%
18371 \kern-1\p@
18372 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18373 \kern .6\p@}
18374 \def\@datefield{\@reffalse
18375 \ifx\varyourref\@empty \else \@reftrue \fi
18376 \ifx\varyourmail\@empty \else \@reftrue \fi
18377 \ifx\varmyref\@empty \else \@reftrue \fi
18378 \ifx\varcustomer\@empty \else \@reftrue \fi
18379 \ifx\varinvoice\@empty \else \@reftrue \fi
18380 \ifx\varrefitemi\@empty \else \@reftrue \fi
18381 \ifx\varrefitemii\@empty \else \@reftrue \fi
18382 \ifx\varrefitemiii\@empty \else \@reftrue \fi
18383 \vskip -\parskip
18384 \vskip \refvskip
18385 \if@ref
18386 \ifx\varyourref\@empty \else
18387 \settowidth{\sc@temp}{\varyourref}
18388 \setbox0\hbox{\scriptsize \sf \yourrefname}
18389 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18390 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
18391 \fi
18392 \ifx\varyourmail\@empty \else
18393 \settowidth{\sc@temp}{\varyourmail}
18394 \setbox0\hbox{\scriptsize \sf \yourmailname}
18395 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18396 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
18397 \fi
18398 \ifx\varmyref\@empty \else
18399 \settowidth{\sc@temp}{\varmyref}
18400 \setbox0\hbox{\scriptsize \sf \myrefname}
18401 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18402 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
18403 \fi
18404 \ifx\varcustomer\@empty \else
18405 \settowidth{\sc@temp}{\varcustomer}
18406 \setbox0\hbox{\scriptsize \sf \customername}
18407 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18408 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
18409 \fi
18410 \ifx\varinvoice\@empty \else
18411 \settowidth{\sc@temp}{\varinvoice}

```



```

18412 \setbox0\hbox{\scriptsize \sf \invoicename}
18413 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18414 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
18415 \fi
18416 \ifx\varrefitemi\@empty \else
18417 \settowidth{\sc@temp}{\varrefitemi}
18418 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
18419 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18420 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
18421 \fi
18422 \ifx\varrefitemii\@empty \else
18423 \settowidth{\sc@temp}{\varrefitemii}
18424 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
18425 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18426 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
18427 \fi
18428 \ifx\varrefitemiii\@empty \else
18429 \settowidth{\sc@temp}{\varrefitemiii}
18430 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
18431 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18432 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
18433 \fi
18434 \ifx\@date\@empty \else
18435 \settowidth{\sc@temp}{\@date}
18436 \setbox0\hbox{\scriptsize \sf \datename}
18437 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18438 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
18439 \fi
18440 \par
18441 \vspace{2.5\baselineskip}
18442 \else
18443 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
18444 \vspace{1.5\baselineskip}
18445 \fi}
18446 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
18447 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
18448 -\sigindent \hspace{\sigindent}%
18449 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}\\[\presig@
18450 \fromsig\strut}\par
18451 \vspace{1.5\baselineskip}}

```

111 File scrreprt-xetex-bidi.def

```

18452 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class f
18453 \newcommand{\scr@saved@LTRfootnotetext}{}
18454 \newcommand{\scr@saved@RTLfootnotetext}{}
18455 \let\scr@saved@footnotetext\@footnotetext
18456 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18457 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18458 \renewcommand{\@footnotetext}[1]{%
18459 \scr@saved@footnotetext{#1}%
18460 \csname FN@mfb@prepare\endcsname
18461 }
18462 \renewcommand{\@LTRfootnotetext}[1]{%

```




```

18463 \scr@saved@LTRfootnotetext{#1}%
18464 \csname FN@mfb@prepare\endcsname
18465 }
18466 \renewcommand{\@RTLfootnotetext}[1]{%
18467 \scr@saved@RTLfootnotetext{#1}%
18468 \csname FN@mfb@prepare\endcsname
18469 }
18470 \renewcommand\deffootnote[4][1]{%
18471 \long\def\@makefnmark##1{%
18472 \setlength{\@tempdimc}{#3}%
18473 \def\@tempa{#1}\ifx\@tempa\@empty
18474 \setpar{\@par
18475 \@tempdima = \hsize
18476 \addtolength{\@tempdima}{-#2}%
18477 \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
18478 \else
18479 \addtolength{\@tempdimc}{#2}%
18480 \addtolength{\@tempdimc}{-#1}%
18481 \setpar{\@par
18482 \@tempdima = \hsize
18483 \addtolength{\@tempdima}{-#1}%
18484 \@tempdimb = \hsize
18485 \addtolength{\@tempdimb}{-#2}%
18486 \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima
18487 }%
18488 \fi
18489 \par
18490 \parindent\@tempdimc\noindent
18491 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18492 }%
18493 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
18494 }
18495 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18496 \renewcommand*\left@footnoterule{%
18497 \normalsize\ftn@rule@test@values
18498 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18499 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18500 {\usekomafont{footnoterule}{%
18501 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18502 \kern 2.6\p@}
18503 \renewcommand*\right@footnoterule{%
18504 \normalsize\ftn@rule@test@values
18505 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18506 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18507 {\usekomafont{footnoterule}{%
18508 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\l
18509 \kern 2.6\p@}
18510 \renewcommand*\maketitle[1][1]{%
18511 \if@titlepage
18512 \begin{titlepage}
18513 \setcounter{page}{%
18514 #1%
18515 }%
18516 \let\footnotesize\small

```



```

18517 \let\right@footnoterule\relax
18518 \let\left@footnoterule\relax
18519 \let\textwidth@footnoterule\relax
18520 \let\footnote\thanks
18521 \let\LTRfootnote\LTRthanks
18522 \let\RTLfootnote\RTLthanks
18523 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18524 \let\@oldmakefnmark\@makefnmark
18525 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
18526 \ifx\@extratitle\@empty \else
18527   \noindent\@extratitle\next@tpage\cleardoubleemptypage
18528   \thispagestyle{empty}%
18529 \fi
18530 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18531 \ifx\@titlehead\@empty \else
18532   \begin{minipage}[t]{\textwidth}%
18533     \@titlehead
18534   \end{minipage}\par
18535 \fi
18536 \null\vfill
18537 \begin{center}
18538   \ifx\@subject\@empty \else
18539     {\subject@font \@subject \par}%
18540     \vskip 3em
18541   \fi
18542   {\titlefont\huge \@title\par}%
18543   \vskip 1em
18544   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18545   \vskip 2em
18546   {\Large \lineskip 0.75em
18547     \begin{tabular}[t]{c}
18548       \@author
18549     \end{tabular}\par
18550   }%
18551   \vskip 1.5em
18552   {\Large \@date \par}%
18553   \vskip \z@\@plus3fill
18554   {\Large \@publishers \par}%
18555   \vskip 3em
18556 \end{center}\par
18557 \@thanks
18558 \vfill\null
18559 \if@twoside\next@tpage
18560   \begin{minipage}[t]{\textwidth}
18561     \@uppertitleback
18562   \end{minipage}\par
18563   \vfill
18564   \begin{minipage}[b]{\textwidth}
18565     \@lowertitleback
18566   \end{minipage}
18567 \fi
18568 \ifx\@dedication\@empty \else
18569   \next@tpage\null\vfill
18570   {\centering \Large \@dedication \par}%

```



```

18571         \vskip \z@ \@plus3fill
18572         \if@twoside \next@tpage\cleardoubleemptypage \fi
18573     \fi
18574     \end{titlepage}
18575 \else
18576     \par
18577     \@tempcnta=%
18578     #1%
18579     \relax\ifnum\@tempcnta=1\else
18580         \ClassWarning{\KOMAClassName}{%
18581             Optional argument of \string\maketitle\space ignored
18582             at\MessageBreak
18583             notitlepage-mode%
18584         }%
18585     \fi
18586     \begingroup
18587         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18588         \let\@oldmakefnmark\@makefnmark
18589         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
18590         \if@twocolumn
18591             \ifnum \col@number=\@ne
18592                 \@maketitle
18593             \else
18594                 \twocolumn[\@maketitle]%
18595             \fi
18596         \else
18597             \newpage
18598             \global\@topnum\z@
18599             \@maketitle
18600         \fi
18601         \thispagestyle{\titlepagestyle}\@thanks
18602     \endgroup
18603 \fi
18604 \setcounter{footnote}{0}%
18605 \let\thanks\relax
18606 \let\LTRthanks\relax
18607 \let\RTLthanks\relax
18608 \let\maketitle\relax
18609 \let\@maketitle\relax
18610 \global\let\@thanks\@empty
18611 \global\let\@author\@empty
18612 \global\let\@date\@empty
18613 \global\let\@title\@empty
18614 \global\let\@subtitle\@empty
18615 \global\let\@extratitle\@empty
18616 \global\let\@titlehead\@empty
18617 \global\let\@subject\@empty
18618 \global\let\@publishers\@empty
18619 \global\let\@uppertitleback\@empty
18620 \global\let\@lowertitleback\@empty
18621 \global\let\@dedication\@empty
18622 \global\let\author\relax
18623 \global\let\title\relax
18624 \global\let\extratitle\relax

```



```

18625 \global\let\titlehead\relax
18626 \global\let\subject\relax
18627 \global\let\publishers\relax
18628 \global\let\uppertitleback\relax
18629 \global\let\lowertitleback\relax
18630 \global\let\dedication\relax
18631 \global\let\date\relax
18632 \global\let\and\relax
18633 }%
18634 \renewcommand*{\@maketitle}{%
18635 \clearpage
18636 \let\footnote\thanks
18637 \let\LTRfootnote\LTRthanks
18638 \let\RTLfootnote\RTLthanks
18639 \ifx\@extratitle\@empty \else
18640 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
18641 \fi
18642 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18643 \ifx\@titlehead\@empty \else
18644 \begin{minipage}[t]{\textwidth}
18645 \@titlehead
18646 \end{minipage}\par
18647 \fi
18648 \null
18649 \vskip 2em%
18650 \begin{center}%
18651 \ifx\@subject\@empty \else
18652 {\subject@font \@subject \par}
18653 \vskip 1.5em
18654 \fi
18655 {\titlefont\huge \@title \par}%
18656 \vskip .5em
18657 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18658 \vskip 1em
18659 {\Large
18660 \lineskip .5em%
18661 \begin{tabular}[t]{c}
18662 \@author
18663 \end{tabular}\par
18664 }%
18665 \vskip 1em%
18666 {\Large \@date \par}%
18667 \vskip \z@ \@plus 1em
18668 {\Large \@publishers \par}
18669 \ifx\@dedication\@empty \else
18670 \vskip 2em
18671 {\Large \@dedication \par}
18672 \fi
18673 \end{center}%
18674 \par
18675 \vskip 2em
18676 }%
18677 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18678 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}

```



```

18679 \renewcommand*\thesection{%
18680   \thechapter\@SepMark%
18681   \@arabic\c@section
18682 }
18683 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
18684 \renewcommand*\thesubsubsection{%
18685   \thesubsection\@SepMark\@arabic\c@subsubsection
18686 }
18687 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18688 \renewcommand*\thesubparagraph{%
18689   \theparagraph\@SepMark\@arabic\c@subparagraph
18690 }
18691 \renewcommand*\thefigure{%
18692   \thechapter\@SepMark%
18693   \@arabic\c@figure
18694 }
18695 \renewcommand*\thetable{%
18696   \thechapter\@SepMark%
18697   \@arabic\c@table
18698 }
18699 \renewcommand*\theequation{%
18700   \thechapter\@SepMark%
18701   \@arabic\c@equation
18702 }
18703 \renewenvironment{thebibliography}[1]{%
18704   \if@bib@break@
18705     \bib@beginhook
18706   \else
18707     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18708       \setchapterpreamble{\bibpreamble}%
18709     \fi\fi
18710     \bib@heading
18711     \bib@beginhook
18712     \bib@before@hook
18713   \fi
18714   \renewcommand{\BreakBibliography}[1]{%
18715     \@bib@break
18716     \end{thebibliography}%
18717     \begingroup ##1\endgroup
18718     \begin{thebibliography}{#1}
18719   }%
18720   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18721   \bidi@thebibliography@font@hook%
18722   \list{%
18723     \@biblabel{\@arabic\c@enumiv}%
18724   }{%
18725     \settowidth\labelwidth{\@biblabel{#1}}%
18726     \leftmargin\labelwidth
18727     \advance\leftmargin\labelsep
18728     \@openbib@code
18729     \if@bib@break@
18730       \edef\@tempa{%
18731         \noexpand\usecounter{enumiv}}%
18732       \noexpand\setcounter{enumiv}{\the\c@enumiv}%

```



```

18733     }\@tempa
18734     \no@bib@break
18735     \else
18736         \usecounter{enumiv}%
18737     \fi
18738     \let\p@enumiv\@empty
18739     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18740 }%
18741 \sloppy\clubpenalty4000 \widowpenalty4000
18742 \sfcode`\.=\@m
18743 }{%
18744 \if@bib@break@
18745     \def\@noitemerr{%
18746         \@latex@warning{%
18747             \string\BreakBibliography\space at begin of `thebibliography'
18748             environment\MessageBreak
18749             or following \string\BreakBibliography}%
18750     }%
18751 \else
18752     \def\@noitemerr{%
18753         \@latex@warning{%
18754             Empty `thebibliography' environment or
18755             \string\BreakBibliography\MessageBreak
18756             before end of `thebibliography' environment}%
18757     }%
18758 \fi
18759 \endlist
18760 \if@bib@break@
18761 \else
18762     \bib@after@hook
18763     \let\bib@before@hook\@empty
18764     \let\bib@after@hook\@empty
18765 \fi
18766 \bib@endhook
18767 }
18768 \renewcommand*\left@footnoterule{%
18769     \kern-3\p@
18770     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18771     \hrule\@width.4\columnwidth
18772     \kern 2.6\p@}
18773 \renewcommand*\right@footnoterule{%
18774     \kern-3\p@
18775     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18776     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18777     \kern2.6\p@}
18778 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
18779 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
18780 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
18781 \renewcommand\marginline[1]{%
18782     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18783 }
18784 \renewcommand{\@makecaption}[3]{%
18785     \cap@margin
18786     \ifonelinecaptions

```



```

18787 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18788 \let\scr@tmp@footnotetext=\@footnotetext
18789 \let\@footnotetext=\@gobble
18790 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18791 \let\@LTRfootnotetext=\@gobble
18792 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18793 \let\@RTLfootnotetext=\@gobble
18794 \sbox\@tempboxa{%
18795   {\capfont{\strut\ignorespaces
18796     #1{\@caplabelfont{#2\captionformat}}}%
18797     #3\unskip\strut}}%
18798 }%
18799 \let\@footnotetext=\scr@tmp@footnotetext
18800 \let\scr@tmp@footnotetext=\undefined
18801 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18802 \let\scr@tmp@LTRfootnotetext=\undefined
18803 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18804 \let\scr@tmp@RTLfootnotetext=\undefined
18805 \setcounter{footnote}{\@tempcntb}%
18806 \setcounter{mpfootnote}{\@tempcnta}%
18807 \else
18808   \sbox\@tempboxa{\hspace*{2\cap@width}}%
18809 \fi
18810 \beginingroup%
18811   \setlength{\@tempdima}{\cap@width}%
18812   \ifdim \wd\@tempboxa >\@tempdima
18813     \hb@xt@\hsize{%
18814       \setbox\@tempboxa\vbox{\hsize=\cap@width
18815         \ifdofullc@p
18816           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18817             #1{\@caplabelfont{#2\captionformat}}}}}%
18818             #3\unskip\strut\par}}}%
18819         \else%
18820           \ifdim\cap@indent<\z@
18821             {\capfont{\strut\ignorespaces
18822               #1{\@caplabelfont{#2\captionformat\par}}}%
18823               \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
18824             \else%
18825               \if@capbreak
18826                 {\capfont{\strut\ignorespaces
18827                   #1{\@caplabelfont{#2\captionformat\par}}}%
18828                   \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
18829                 \else
18830                   {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
18831                     {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18832                       {\@caplabelfont{#2\captionformat}}}}{\#3\unskip\strut\par}}}%
18833                   \fi
18834                 \fi
18835             \fi
18836         }%
18837       \setlength{\@tempdima}{\ht\@tempboxa}%
18838       \addtolength{\@tempdima}{\dp\@tempboxa}%
18839       \addtolength{\@tempdima}{-\ht\strutbox}%
18840       \ht\@tempboxa\ht\strutbox

```



```

18841         \dp\@tempboxa\@tempdima
18842         \strut\cap@left
18843         \box\@tempboxa
18844         \cap@right\strut
18845     }%
18846 \else
18847     \global \@minipagefalse
18848     \sbox\@tempboxa{%
18849         {\capfont{\scr@smashdp{\strut\ignorespaces
18850             #1{\caplabelfont{#2\captionformat}}}}}%
18851         #3}}%
18852     }%
18853     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\
18854 \fi
18855 \endgroup
18856 }
18857 \renewcommand{\@makecaption}[2]{%
18858 \if@captionabove
18859     \vskip\belowcaptionskip
18860 \else
18861     \vskip\abovecaptionskip
18862 \fi
18863 \@@makecaption\@firstofone{#1}{#2}%
18864 \if@captionabove
18865     \vskip\abovecaptionskip
18866 \else
18867     \vskip\belowcaptionskip
18868 \fi
18869 }
18870 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18871 \ifpackageloaded{caption2}{\@komalongtablefalse
18872 \scr@caption@before@longtable@warning{caption2}%
18873 }{}%
18874 \if@komalongtable
18875 \renewcommand{\LT@makecaption}[3]{%
18876 \noalign{%
18877     \if@captionabove
18878         \vskip\belowcaptionskip
18879     \else
18880         \vskip\abovecaptionskip
18881     \fi
18882 }%
18883 \LT@mcol\LT@cols c{%
18884     \hbox to\z@{\hss\parbox[t]{\linewidth{%
18885         \@@makecaption{#1}{#2}{#3}%
18886         \endgraf
18887         \if@captionabove
18888             \vskip\abovecaptionskip
18889         \else
18890             \vskip\belowcaptionskip
18891         \fi
18892     }}%
18893     \hss
18894 }%

```




```

18895     }%
18896   }%
18897   \renewcommand*{\scr@LT@array}{}%
18898   \let\scr@LT@array=\LT@array
18899   \renewcommand*{\LT@array}{%
18900     \let\scr@caption=\LT@caption
18901     \def\captionabove{\noalign{\global\@captionabovetrue}%
18902       \scr@caption}%
18903     \def\captionbelow{\noalign{\global\@captionabovefalse}%
18904       \scr@caption}%
18905     \if@tablecaptionabove
18906       \let\LT@caption=\captionabove
18907     \else
18908       \let\LT@caption=\captionbelow
18909     \fi
18910     \scr@LT@array
18911   }%
18912   \ClassInfo{\KOMAClassName}{%
18913     longtable captions redefined%
18914   }%
18915 \fi
18916 }
18917
18918 \CloneTOCEntryStyle{tocline}{part}
18919 \TOCEntryStyleStartInitCode{part}{%
18920   \expandafter\renewcommand%
18921   \csname scr@tso@#1@linefill\endcsname{\hfill}%
18922   \expandafter\renewcommand%
18923   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18924   \expandafter\renewcommand%
18925   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18926     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18927   \expandafter\renewcommand\expandafter*%
18928   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
18929 }
18930
18931 \CloneTOCEntryStyle{tocline}{chapter}
18932 \TOCEntryStyleStartInitCode{chapter}{%
18933   \expandafter\renewcommand%
18934   \csname scr@tso@#1@linefill\endcsname{%
18935     \if@chapterentrywithdots
18936       \TOCLineLeaderFill\relax
18937     \else
18938       \hfill
18939     \fi
18940   }%
18941   \expandafter\renewcommand%
18942   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18943   \expandafter\renewcommand%
18944   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18945     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18946   \expandafter\renewcommand\expandafter*%
18947   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
18948 }

```



```

18949
18950 \CloneTOCEntryStyle{tocline}{section}
18951 \TOCEntryStyleStartInitCode{section}{%
18952   \expandafter\renewcommand%
18953   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18954 }
18955
18956 \CloneTOCEntryStyle{section}{default}
18957
18958 \DeclareSectionCommand[%
18959   style=part,%
18960   level=\m@ne,%
18961   pagestyle=plain,%
18962   tocstyle=part,%
18963   toplevel=\m@ne,%
18964   tocindent=\z@,%
18965   tocnumwidth=2em%
18966 ]{part}
18967 \DeclareSectionCommand[%
18968   style=chapter,%
18969   level=\z@,%
18970   pagestyle=plain,%
18971   tocstyle=chapter,%
18972   tocindent=\z@,%
18973   tocnumwidth=1.5em%
18974 ]{chapter}
18975 \DeclareSectionCommand[%
18976   style=section,%
18977   level=1,%
18978   indent=\z@,%
18979   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
18980   afterskip=2.3ex \@plus .2ex,%
18981   tocstyle=section,%
18982   tocindent=1.5em,%
18983   tocnumwidth=2.3em%
18984 ]{section}
18985 \DeclareSectionCommand[%
18986   style=section,%
18987   level=2,%
18988   indent=\z@,%
18989   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18990   afterskip=1.5ex \@plus .2ex,%
18991   tocstyle=section,%
18992   tocindent=3.8em,%
18993   tocnumwidth=3.2em%
18994 ]{subsection}
18995 \DeclareSectionCommand[%
18996   style=section,%
18997   level=3,%
18998   indent=\z@,%
18999   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
19000   afterskip=1.5ex \@plus .2ex,%
19001   tocstyle=section,%
19002   tocindent=7.0em,%

```



```

19003   tocnumwidth=4.1em%
19004 ]{subsubsection}
19005 \DeclareSectionCommand[%
19006   style=section,%
19007   level=4,%
19008   indent=\z@,%
19009   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
19010   afterskip=-1em,%
19011   tocstyle=section,%
19012   tocindent=10em,%
19013   tocnumwidth=5em%
19014 ]{paragraph}
19015 \DeclareSectionCommand[%
19016   style=section,%
19017   level=5,%
19018   indent=\scr@parindent,%
19019   beforeskip=3.25ex \@plus1ex \@minus.2ex,%
19020   afterskip=-1em,%
19021   tocstyle=section,%
19022   tocindent=12em,%
19023   tocnumwidth=6em%
19024 ]{subparagraph}
19025
19026

```

112 File sidecap-xetex-bidi.def

```

19027 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package f
19028 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
19029   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
19030 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
19031 \renewcommand*{\SC@justify@caption}{\if@RTL%
19032 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
19033   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

113 File soul-xetex-bidi.def

```

19034 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeT
19035 \long\def\SOUL@start#1{%
19036   \let\bid@RTL@everypar\@empty
19037   \let\<\SOUL@lowerthan
19038   \let\>\empty
19039   \def\soulomit{\noexpand\soulomit}%
19040   \gdef\SOUL@eventuallyxhyphen##1{%
19041     \let\SOUL@soeventuallyskip\relax
19042     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@@\font
19043       \@minus\fontdimen4\font
19044     \SOUL@ignorespacesfalse
19045     \leavevmode
19046     \SOUL@preamble
19047     \SOUL@lasttoken={}%
19048     \SOUL@word={}%
19049     \SOUL@minus\z@
19050     \SOUL@comma\z@

```



```

19051 \SOUL@apo\z@
19052 \SOUL@grave\z@
19053 \SOUL@do{#1}%
19054 \SOUL@postamble
19055 }}
19056 \def\SOUL@ulunderline#1{%
19057 \setbox\z@\hbox{#1}%
19058 \dimen@=\wd\z@
19059 \dimen@i=\SOUL@uloverlap
19060 \advance\dimen@2\dimen@i
19061 \if@RTL
19062 \unhcopy\z@
19063 \llap{%
19064 \null
19065 \kern-\dimen@i
19066 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
19067 }%
19068 \else
19069 \rlap{%
19070 \null
19071 \kern-\dimen@i
19072 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
19073 }%
19074 \unhcopy\z@
19075 \fi
19076 }}
19077 \def\bidi@SOUL@ulleaders{%
19078 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\n
19079 }
19080 \def\SOUL@uleveryspace#1{%
19081 \if@RTL
19082 #1%
19083 \bidi@SOUL@ulleaders
19084 \hskip\spaceskip
19085 \else
19086 \SOUL@ulcolor{%
19087 #1%
19088 \SOUL@ulleaders
19089 \hskip\spaceskip
19090 }%
19091 \fi
19092 \null
19093 }

```

114 File stabular-xetex-bidi.def

```

19094 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
19095 \def\@stabular{%
19096 \leavevmode \bgroup \if@RTLtab\beginR \fi
19097 \let\@acol\@tabacol
19098 \let\@classz\@tabclassz
19099 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
19100 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
19101 \egroup \if@RTLtab\endR\fi\egroup}

```



```

19102 \expandafter \let \csname endstabular*\endcsname = \endstabular
19103 \def\@sarray[#1]#2{%
19104   \bgroup
19105   \setbox\@arstrutbox\hbox{%
19106     \vrule \@height\arraystretch\ht\strutbox
19107       \@depth\arraystretch \dp\strutbox
19108       \@width\z@}%
19109   \@mkpream{#2}%
19110   \edef\@preamble{%
19111     \ialign \noexpand\@halignto
19112       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
19113   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
19114   \let\tabularnewline\\%
19115   \let\@sharp##%
19116   \set@typeset@protect
19117   \lineskip\z@skip\baselineskip\z@skip
19118   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
19119   \@preamble}

```

115 File subfigure-xetex-bidi.def

```

19120 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure packa
19121 \AtBeginDocument{%
19122 \let\p@subfigure=\thefigure
19123 \let\p@subtable=\thetable%
19124 }

```

116 File tabs-xetex-bidi.def

```

19125 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for X
19126 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
19127
19128 \expandafter\let\csname endtabular*\endcsname=\endtabular
19129
19130 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
19131   \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
19132   \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
19133
19134 \def\@array[#1]#2{% remember global variables to allow recursion:
19135   \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
19136     \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
19137   \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
19138   \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
19139   \else \let\@tarlinesep\tablinesep \fi
19140   \divide\@tarlinesep\tw@ % half sep is applied to height & depth
19141   \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
19142   \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
19143   \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
19144     \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
19145     \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
19146   \fi \setbox\@arstrutbox\hbox{% set up smaller strut
19147     \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
19148   \let\protect\noexpand
19149   \edef\@preamble{\ialign \noexpand\@halignto \bgroup

```



```

19150 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
19151 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
19152 \if#1t\top \else \if#1b\bottom \else \vcenter \fi\fi
19153 \bgroup \let\par\@empty
19154 \global\@arstheight\ht\@arstrutbox \global\@arstddepth\dp\@arstrutbox
19155 \advance\extrarulesep.5\arrayrulewidth
19156 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
19157 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \bottom \fi\bgroup\fi
19158 \@preamble}

```

117 File tabularx-xetex-bidi.def

```

19159 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
19160 \def\TX@endtabularx{%
19161   \expandafter\expandafter\expandafter
19162     \TX@find@endtabularxa\csname end\TX@\endcsname
19163     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
19164   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}}%
19165   \let\verb\TX@verb
19166   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
19167   \edef\TX@ckpt{\cl@ckpt}%
19168   \let\@elt\relax
19169   \TX@old@table\maxdimen
19170   \TX@col@width\TX@target
19171   \global\TX@cols\@ne
19172   \TX@typeout@
19173     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
19174   \TX@trial{\def\NC@rewriteX{%
19175     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
19176   \loop
19177     \TX@arith
19178     \ifTX@
19179     \TX@trial{%
19180   {\let\@footnotetext\TX@fnttext\let\@xfootnotenext\TX@xftntext
19181     \let\@LTRfootnotetext\TX@LTRfnttext\let\@xLTRfootnotenext\TX@xLTRfnttext
19182     \let\@RTLfootnotetext\TX@RTLfnttext\let\@xRTLfootnotenext\TX@xRTLfnttext
19183     \csname tabular*\expandafter\endcsname\expandafter\TX@target
19184       \the\toks@
19185     \csname endtabular*\endcsname}%
19186   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
19187   \ifnum0=``\fi}%
19188   \expandafter\expandafter\expandafter
19189     \TX@find@endtabularxbb
19190     \expandafter\end\expandafter{\TX@}%
19191     \endtabularx\TX@\endtabularx\TX@find@endtabularxb
19192 }
19193 }
19194
19195 \def\TX@trial#1{%
19196   \setbox\@tempboxa\hbox{%
19197     #1\relax
19198   \let\@footnotetext\TX@trial@ftn
19199   \let\@LTRfootnotetext\TX@trial@ftn
19200   \let\@RTLfootnotetext\TX@trial@ftn

```



```

19201 \let\TX@vwarn\@empty
19202 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
19203 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
19204 \def\write{\begingroup
19205   \def\let{\afterassignment\endgroup\toks@}%
19206   \afterassignment\let\count@}%
19207   \hbadness\@M
19208   \hfuzz\maxdimen
19209   \let\hbadness\@tempcnta
19210   \let\hfuzz\@tempdima
19211   \expandafter\tabular\the\toks@
19212   \endtabular}%
19213 \TX@ckpt
19214 \TX@typeout@{\@spaces
19215   \expandafter\TX@align
19216     \the\wd\@tempboxa\space\space\space\space\space\@
19217   \expandafter\TX@align
19218     \the\TX@col@width\space\space\space\space\space\@
19219   \@spaces\the\TX@cols}}
19220
19221 \long\def\TX@LTRftntext#1{%
19222   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
19223     [\the\csname c@\@mpfn\endcsname]}%
19224   \global\TX@ftn\expandafter{\@tempa{#1}}}%
19225 \long\def\TX@xLTRftntext[#1]#2{%
19226   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
19227
19228 \long\def\TX@RTLftntext#1{%
19229   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
19230     [\the\csname c@\@mpfn\endcsname]}%
19231   \global\TX@ftn\expandafter{\@tempa{#1}}}%
19232 \long\def\TX@xRTLftntext[#1]#2{%
19233   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

118 File tabulary-xetex-bidi.def

```

19234 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
19235 \def\@testpach{\@chclass
19236   \ifnum \@lastchclass=6 \one \@chnum \one \else
19237   \ifnum \@lastchclass=7 5 \else
19238   \ifnum \@lastchclass=8 \tw@ \else
19239   \ifnum \@lastchclass=9 \thr@@
19240   \else \z@
19241   \ifnum \@lastchclass = 10 \else
19242   \edef\@nextchar{\expandafter\string\@nextchar}%
19243   \@chnum
19244   \if \@nextchar c\z@ \else
19245   \if \@nextchar \ifRTLtab r\else l\fi\one \else
19246   \if \@nextchar \ifRTLtab l\else r\fi\tw@ \else
19247   \if \@nextchar C7 \else
19248   \if \@nextchar L8 \else
19249   \if \@nextchar R9 \else
19250   \if \@nextchar J10 \else
19251   \z@ \@chclass

```



```

19252 \if\@nextchar |\@ne \else
19253 \if \@nextchar !6 \else
19254 \if \@nextchar @7 \else
19255 \if \@nextchar <8 \else
19256 \if \@nextchar >9 \else
19257 10
19258 \@chnum
19259 \if \@nextchar m\thr@@\else
19260 \if \@nextchar p4 \else
19261 \if \@nextchar b5 \else
19262 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
19263 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```

119 File tc-xetex-bidi.def

```

19264 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for Xe
19265 \def\@cliptoboxdim#1{%
19266 \setbox#1=\hbox{%
19267 \Gin@defaultbp\WIDTH{\wd#1}%
19268 \Gin@defaultbp\DEPTH{\dp#1}%
19269 \@tempdima\ht#1%
19270 \advance\@tempdima\dp#1%
19271 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
19272 \beginL\special{pdf:bcontent }%
19273 \special{%
19274 pdf:literal direct
19275 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
19276 }%
19277 \special{pdf:literal direct W }%
19278 \special{pdf:literal direct n }%
19279 \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
19280 \special{pdf:econtent }\endL%
19281 }%
19282 }

```

120 File tcolorbox-xetex-bidi.def

```

19283 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox packa
19284 \let\endtcblrbox=\endminipage
19285 \let\endtcbsavebox=\endtcblrbox
19286
19287 \bidi@patchcmd{\tcb@vbox}{%
19288 \let\@footnotetext\@mpfootnotetext%
19289 }{%
19290 \let\@footnotetext\@mpfootnotetext%
19291 \let\@LTRfootnotetext\@mpLTRfootnotetext%
19292 \let\@RTLfootnotetext\@mpRTLfootnotetext%
19293 }{}{}
19294
19295 \bidi@patchcmd{\endtcblrbox}{%
19296 \footnoterule%
19297 }{%
19298 \bidi@mpfootnoterule%
19299 }{}{}

```




```

19300 \bidi@apptocmd\tcb@@icolorbox{%
19301 \@bidi@list@minipage@parboxfalse
19302 }{}{}

```

121 File titlesec-xetex-bidi.def

```

19303 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
19304 \renewcommand\filright{%
19305 \gdef\ttl@filleft##1{\hskip##1}%
19306 \gdef\ttl@filright##1{\hfill}%
19307 \let\\\@centercr
19308 \advance\rightskip\z@ \@plus 1fil
19309 \parfillskip\z@}
19310 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
19311 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
19312 \setlength\leftskip{#6}%
19313 \setlength\rightskip{#7}%
19314 \interlinepenalty\M
19315 \ttl@change@centercr
19316 \ttl@beginlongest
19317 #1{\ifhmode\ttl@hmode@error\fi
19318 \ttl@glcmds
19319 \parindent\z@
19320 \leavevmode
19321 \begin@group
19322 \ifttl@label
19323 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
19324 \ifRTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
19325 \llap{\box\z@}%
19326 \fi
19327 #4{#8}%
19328 \kern\z@\strut\@par
19329 \endgroup
19330 \nobreak\ttl@midlongest#5\@par}%
19331 \ttl@endlongest}

```

122 File titletoc-xetex-bidi.def

```

19332 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
19333 \renewcommand\filright{%
19334 \gdef\ttl@filleft##1{\hskip##1}%
19335 \gdef\ttl@filright##1{\hfill}%
19336 \let\\\@centercr
19337 \advance\rightskip\z@ \@plus 1fil
19338 \parfillskip\z@}
19339 \renewcommand\contentspush[1]{%
19340 \sbox\z@{#1}%
19341 \xdef\ttl@b{\advance\ifRTL\rightskip\else\leftskip\fi\the\wd\z@}%
19342 \aftergroup\ttl@b
19343 \leavevmode\llap{\box\z@}}
19344 \def\ttl@outnoblock#1#2#3{%
19345 \begin@group
19346 \ifnum\ttl@b>\ttl@a
19347 \nobreak

```



```

19348 \else\ifnum\ttl@b<\ttl@a
19349 \addpenalty{\@secpenalty}%
19350 \else
19351 \addpenalty{\z@}%
19352 \fi\fi
19353 \ttl@contentsstretch
19354 \nobreak
19355 \ifcase#1\relax\else\interlinepenalty\@M\fi
19356 \parindent\z@
19357 \ifx@nil#2%
19358 \PackageError{titletoc}{Unimplemented}%
19359 {The optional argument is currently mandatory}%
19360 \else
19361 \if@RTL\setlength\rightskip{#2}\else
19362 \setlength\leftskip{#2}\fi%
19363 \fi
19364 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
19365 \let\contentsmargin\ttl@margin
19366 \def\ttl@makeline##1{##1}%
19367 #3%
19368 \addtolength{\parfillskip}{-\ttl@corr}%
19369 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
19370 \let\ttl@leaders\leaders}
19371 \renewcommand\ttl@margin[2][\z@]{%
19372 \def\ttl@corr{#1}%
19373 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
19374 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
19375 \def\@pnumwidth{#2}}
19376 \let\ttl@savel@part\l@part
19377 \def\l@part{\ttl@lselect{part}}
19378
19379 \let\ttl@savel@chapter\l@chapter
19380 \def\l@chapter{\ttl@lselect{chapter}}

```

123 File tocbibind-xetex-bidi.def

```

19381 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind packa
19382 \if@dotocbib
19383 \@ifpackageloaded{natbib}{}{% natbib not loaded
19384 \renewcommand{\bibsection}{\tcb@bchapsec}
19385 \renewenvironment{thebibliography}[1]{%
19386 \bibsection
19387 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
19388 \renewenvironment{thebibitemlist}[1]{
19389 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19390 \bidi@thebibliography@font@hook%
19391 \list{\@biblabel{\@arabic{c@enumiv}}}%
19392 {\settowidth\labelwidth{\@biblabel{#1}}%
19393 \leftmargin\labelwidth
19394 \advance\leftmargin\labelsep
19395 \@openbib@code
19396 \usecounter{enumiv}%
19397 \let\p@enumiv\empty
19398 \renewcommand\theenumiv{\@arabic{c@enumiv}}}%

```



```

19399 \sloppy
19400 \clubpenalty4000
19401 \@clubpenalty \clubpenalty
19402 \widowpenalty4000%
19403 \sfcode`\.\@m}
19404 {\def\@noitemerr
19405 {\@latex@warning{Empty `thebibliography' environment}}}%
19406 \endlist}
19407
19408 \@ifpackagewith{chapterbib}{sectionbib}%
19409 {\renewcommand{\sectionbib}[2]{}}%
19410 {}
19411
19412 \fi
19413 \if@inltxdoc\else
19414 \renewenvironment{theindex}%
19415 {\if@twocolumn
19416 \@restonecolfalse
19417 \else
19418 \@restonecoltrue
19419 \fi
19420 \if@bibchapter
19421 \if@donumindex
19422 \refstepcounter{chapter}
19423 \twocolumn[\vspace*{2\topskip}%
19424 \makechapterhead{\indexname}]}%
19425 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
19426 \chaptermark{\indexname}
19427 \else
19428 \if@dotocind
19429 \twocolumn[\vspace*{2\topskip}%
19430 \makechapterhead{\indexname}]}%
19431 \prw@mkboth{\indexname}
19432 \addcontentsline{toc}{chapter}{\indexname}
19433 \else
19434 \twocolumn[\vspace*{2\topskip}%
19435 \makechapterhead{\indexname}]}%
19436 \prw@mkboth{\indexname}
19437 \fi
19438 \fi
19439 \else
19440 \if@donumindex
19441 \twocolumn[\vspace*{-1.5\topskip}%
19442 \nameuse{\@tocextra}{\indexname}]}%
19443 \csname \@tocextra mark\endcsname{\indexname}
19444 \else
19445 \if@dotocind
19446 \twocolumn[\vspace*{-1.5\topskip}%
19447 \toc@headstar{\@tocextra}{\indexname}]}%
19448 \prw@mkboth{\indexname}
19449 \addcontentsline{toc}{\@tocextra}{\indexname}
19450 \else
19451 \twocolumn[\vspace*{-1.5\topskip}%
19452 \toc@headstar{\@tocextra}{\indexname}]}%

```



```

19453         \prw@mkboth{\indexname}
19454     \fi
19455 \fi
19456 \fi
19457 \thispagestyle{plain}\parindent\z@
19458 \parskip\z@ \@plus .3\p@\relax
19459 \let\item\@idxitem}
19460 {\if@restonecol\onecolumn\else\clearpage\fi}
19461 \fi

```

124 File tocloft-xetex-bidi.def

```

19462 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package f
19463 \let\cftdot\@SepMark
19464 \if@cfthaspart
19465 \renewcommand*{\l@part}[2]{
19466     \@cftdopartfalse
19467     \ifnum \c@tocdepth >-2\relax
19468         \if@cfthaschapter
19469             \@cftdoparttrue
19470         \fi
19471         \ifnum \c@tocdepth >\m@ne
19472             \if@cfthaschapter\else
19473                 \@cftdoparttrue
19474             \fi
19475         \fi
19476     \fi
19477 \if@cftdopart
19478     \if@cfthaschapter
19479         \addpenalty{-\@highpenalty}
19480     \else
19481         \addpenalty\@secpenalty
19482     \fi
19483     \addvspace{\cftbeforepartskip}
19484     \begingroup
19485     {\ifRTL\righskip\else\leftskip\fi \cftpartindent\relax
19486     \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
19487     \parfillskip -\ifRTL\leftskip\else\rightskip\fi
19488     \parindent \cftpartindent\relax\@afterindenttrue
19489     \interlinepenalty\@M
19490     \leavevmode
19491     \@tempdima \cftpartnumwidth\relax
19492     \let\@cftbsnum \cftpartpresnum
19493     \let\@cftasnum \cftpartaftersnum
19494     \let\@cftasnumb \cftpartaftersnumb
19495     \advance\ifRTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\ri
19496     {\cftpartfont \cftpartpresnum #1}
19497     \cftpartfillnum{#2}}
19498 \nobreak
19499 \if@cfthaschapter
19500     \global\@nobreaktrue
19501     \everypar{\global\@nobreakfalse\everypar{}}
19502 \else
19503     \if@compatibility

```



```

19504         \global\@nbreaktrue
19505         \everypar{\global\@nbreakfalse\everypar{}}
19506     \fi
19507 \fi
19508 \endgroup
19509 \fi}
19510 \fi
19511 \if@cfthaschapter
19512 \renewcommand*{\l@chapter}[2]{
19513     \ifnum \c@tocdepth >\m@ne
19514         \addpenalty{-\@highpenalty}
19515         \vskip \cftbeforechapskip
19516         {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19517         \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19518         \parfillskip -\if@RTL\leftskip\else\righskip\fi
19519         \parindent \cftchapindent\relax\@afterindenttrue
19520         \interlinepenalty\@M
19521         \leavevmode
19522         \@tempdima \cftchapnumwidth\relax
19523         \let\@cftbsnum \cftchappresnum
19524         \let\@cftasnum \cftchapaftersnum
19525         \let\@cftasnumb \cftchapaftersnumb
19526         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19527         {\cftchapfont #1}\nobreak
19528         \cftchapfillnum{#2}}
19529     \fi}
19530 \fi
19531 \renewcommand*{\l@section}[2]{%
19532     \ifnum \c@tocdepth >\z@
19533         \if@cfthaschapter
19534             \vskip \cftbeforeseccskip
19535         \else
19536             \addpenalty\@secpenalty
19537             \addvspace{\cftbeforeseccskip}
19538         \fi
19539         {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
19540         \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19541         \parfillskip -\if@RTL\leftskip\else\righskip\fi
19542         \parindent \cftsecindent\relax\@afterindenttrue
19543         \interlinepenalty\@M
19544         \leavevmode
19545         \@tempdima \cftsecnumwidth\relax
19546         \let\@cftbsnum \cftsecpresnum
19547         \let\@cftasnum \cftsecaftersnum
19548         \let\@cftasnumb \cftsecaftersnumb
19549         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
19550         {\cftsecfont #1}\nobreak
19551         \cftsecfillnum{#2}}
19552     \fi}
19553 \renewcommand*{\l@subsection}[2]{%
19554     \ifnum \c@tocdepth >\@ne
19555         \vskip \cftbeforesubsecskip
19556         {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
19557         \if@RTL\leftskip\else\righskip\fi \@tocrmarg

```



```

19558 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19559 \parindent \cftsubsecindent\relax\@afterindenttrue
19560 \interlinepenalty\@M
19561 \leavevmode
19562 \@tempdima \cftsubsecnumwidth\relax
19563 \let\@cftbsnum \cftsubsecpresnum
19564 \let\@cftasnum \cftsubsecaftersnum
19565 \let\@cftasnumb \cftsubsecaftersnumb
19566 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19567 {\cftsubsecfont #1}\nobreak
19568 \cftsubsecfillnum{#2}}
19569 \fi}
19570 \renewcommand*{\l@subsubsection}[2]{%
19571 \ifnum \c@tocdepth >\tw@
19572 \vskip \cftbeforesubsubsecskip
19573 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
19574 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19575 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19576 \parindent \cftsubsubsecindent\relax\@afterindenttrue
19577 \interlinepenalty\@M
19578 \leavevmode
19579 \@tempdima \cftsubsubsecnumwidth\relax
19580 \let\@cftbsnum \cftsubsubsecpresnum
19581 \let\@cftasnum \cftsubsubsecaftersnum
19582 \let\@cftasnumb \cftsubsubsecaftersnumb
19583 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19584 {\cftsubsubsecfont #1}\nobreak
19585 \cftsubsubsecfillnum{#2}}
19586 \fi}
19587 \renewcommand*{\l@paragraph}[2]{%
19588 \ifnum \c@tocdepth >3\relax
19589 \vskip \cftbeforeparaskip
19590 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
19591 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19592 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19593 \parindent \cftparaindent\relax\@afterindenttrue
19594 \interlinepenalty\@M
19595 \leavevmode
19596 \@tempdima \cftparanumwidth\relax
19597 \let\@cftbsnum \cftparapresnum
19598 \let\@cftasnum \cftparaaftersnum
19599 \let\@cftasnumb \cftparaaftersnumb
19600 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19601 {\cftparafont #1}\nobreak
19602 \cftparafillnum{#2}}
19603 \fi}
19604 \renewcommand*{\l@subparagraph}[2]{%
19605 \ifnum \c@tocdepth >4\relax
19606 \vskip \cftbeforesubparaskip
19607 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
19608 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19609 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19610 \parindent \cftsubparaindent\relax\@afterindenttrue
19611 \interlinepenalty\@M

```



```

19612 \leavevmode
19613 \@tempdima \cftsubparanumwidth\relax
19614 \let\@cftbsnum \cftsubparapresnum
19615 \let\@cftasnum \cftsubparaaftersnum
19616 \let\@cftasnumb \cftsubparaaftersnumb
19617 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19618 {\cftsubparafont #1}\nobreak
19619 \cftsubparafillnum{#2}}
19620 \fi}
19621 \renewcommand*\l@figure}[2]{%
19622 \ifnum \c@lofdepth >\z@
19623 \vskip \cftbeforefigskip
19624 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
19625 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19626 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19627 \parindent \cftfigindent\relax\@afterindenttrue
19628 \interlinepenalty\@M
19629 \leavevmode
19630 \@tempdima \cftfignumwidth\relax
19631 \let\@cftbsnum \cftfigpresnum
19632 \let\@cftasnum \cftfigaftersnum
19633 \let\@cftasnumb \cftfigaftersnumb
19634 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19635 {\cftfigfont #1}\nobreak
19636 \cftfigfillnum{#2}}
19637 \fi
19638 }
19639 \renewcommand*\l@table}[2]{%
19640 \ifnum \c@lotdepth >\z@
19641 \vskip \cftbeforetabskip
19642 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
19643 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19644 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19645 \parindent \cfttabindent\relax\@afterindenttrue
19646 \interlinepenalty\@M
19647 \leavevmode
19648 \@tempdima \cfttabnumwidth\relax
19649 \let\@cftbsnum \cfttabpresnum
19650 \let\@cftasnum \cfttabaftersnum
19651 \let\@cftasnumb \cfttabaftersnumb
19652 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19653 {\cfttabfont #1}\nobreak
19654 \cfttabfillnum{#2}}
19655 \fi
19656 }
19657 \renewcommand{\@cftl@subfig}{
19658 \renewcommand*\l@subfigure}[2]{%
19659 \ifnum \c@lofdepth > \toclevel@subfigure
19660 \vskip \cftbeforesubfigskip
19661 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
19662 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19663 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19664 \parindent \cftsubfigindent\relax\@afterindenttrue
19665 \interlinepenalty\@M

```



```

19666 \leavevmode
19667 \@tempdima \cftsubfignumwidth\relax
19668 \let\@cftbsnum \cftsubfigpresnum
19669 \let\@cftasnum \cftsubfigaftersnum
19670 \let\@cftasnumb \cftsubfigaftersnumb
19671 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19672 {\cftsubfigfont ##1}\nobreak
19673 \cftsubfigfillnum{##2}}
19674 \fi
19675 }
19676 }
19677 \renewcommand{\@cftl@subtab}{
19678 \renewcommand*\l@subtable}[2]{%
19679 \ifnum \c@lotdepth > \toclevel@subtable
19680 \vskip \cftbeforesubtabskip
19681 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
19682 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19683 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19684 \parindent \cftsubtabindent\relax\@afterindenttrue
19685 \interlinepenalty\@M
19686 \leavevmode
19687 \@tempdima \cftsubtabnumwidth\relax
19688 \let\@cftbsnum \cftsubtabpresnum
19689 \let\@cftasnum \cftsubtabaftersnum
19690 \let\@cftasnumb \cftsubtabaftersnumb
19691 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19692 {\cftsubtabfont ##1}\nobreak
19693 \cftsubtabfillnum{##2}}
19694 \fi
19695 }
19696 }
19697 \renewcommand{\newlistentry}[4][\@empty]{%
19698 \@ifundefined{c@#2}{% check & set the counter
19699 \ifx \@empty#1\relax
19700 \newcounter{#2}
19701 \else
19702 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
19703 {#1 has no counter for use as a `within'}
19704 \newcounter{#2}}%
19705 {\newcounter{#2}[#1}%
19706 \expandafter\edef\csname the#2\endcsname{%
19707 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
19708 \fi
19709 \setcounter{#2}{0}
19710 }
19711 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19712
19713 \@namedef{l@#2}##1##2{%
19714 \ifnum \@nameuse{c@#3depth} > #4\relax
19715 \vskip \@nameuse{cftbefore#2skip}
19716 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
19717 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19718 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19719 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue

```




```

19720 \interlinepenalty\@M
19721 \leavevmode
19722 \@tempdima \@nameuse{cft#2numwidth}\relax
19723 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
19724 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19725 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19726 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\righ
19727 {\@nameuse{cft#2font}##1}\nobreak
19728 \@nameuse{cft#2fillnum}{##2}}
19729 \fi
19730 } % end of \l@#2
19731
19732 \expandafter\newlength\csname cftbefore#2skip\endcsname
19733 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
19734 \expandafter\newlength\csname cft#2indent\endcsname
19735 \expandafter\newlength\csname cft#2numwidth\endcsname
19736 \ifcase #4\relax % 0
19737 \setlength{\@nameuse{cft#2indent}}{0em}
19738 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19739 \or % 1
19740 \setlength{\@nameuse{cft#2indent}}{1.5em}
19741 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19742 \or % 2
19743 \setlength{\@nameuse{cft#2indent}}{3.8em}
19744 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19745 \or % 3
19746 \setlength{\@nameuse{cft#2indent}}{7.0em}
19747 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19748 \else % anything else
19749 \setlength{\@nameuse{cft#2indent}}{10.0em}
19750 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19751 \fi
19752 \@namedef{cft#2font}{\normalfont}
19753 \@namedef{cft#2presnum}{\}
19754 \@namedef{cft#2aftersnum}{\}
19755 \@namedef{cft#2aftersnumb}{\}
19756 \@namedef{cft#2dotsep}{\cftdotsep}
19757 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19758 \@namedef{cft#2pagefont}{\normalfont}
19759 \@namedef{cft#2afterpnum}{\}
19760 \@namedef{toclevel@#2}{#4}
19761 \@namedef{cft#2fillnum}##1{%
19762 {\@nameuse{cft#2leader}}\nobreak
19763 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
19764 } % end \newlistentry
19765 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
19766 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19767 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19768 \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
19769 \textit{#1}\protect\par}}}

```

125 File tocbasic-xetex-bidi.def

19770 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]



```

19771 \bidi@undef\scr@dte@def@1@undottedtocline
19772 \bidi@undef\scr@dte@undottedtocline@init
19773 \DeclareTOCEntryStyle{undottedtocline}[{%
19774   \DefineTOCEntryLengthOption{indent}%
19775   {scr@tso@}{@indent}{entry indent}%
19776   \DefineTOCEntryLengthOption{numwidth}%
19777   {scr@tso@}{@numwidth}{entry number width}%
19778   \@ifundefined{#1tocdepth}{%
19779     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19780       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19781         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19782           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19783             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19784               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19785                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19786                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19787                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19788                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
19789                         \csname #1numdepth\endcsname
19790                     }%
19791                   }%
19792                 }%
19793               }%
19794             }%
19795           }%
19796         }%
19797       }%
19798     }%
19799   }{}%
19800   \@ifundefined{scr@tso@#1@indent}{%
19801     \@ifundefined{scr@#1@tocindent}{%
19802       \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19803         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19804           \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19805             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19806               \scr@ifundefinedorrelax{1@chapter}{%
19807                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19808                   \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19809                     \ifstr{#1}{subsubsection}{%
19810                       \@namedef{scr@tso@#1@indent}{3.8em}%
19811                     }%
19812                   \ifstr{#1}{paragraph}{%
19813                     \@namedef{scr@tso@#1@indent}{7em}%
19814                   }%
19815                   \ifstr{#1}{subparagraph}{%
19816                     \@namedef{scr@tso@#1@indent}{10em}%
19817                   }%
19818                 }%
19819               }%
19820             }%
19821           }%
19822         }%
19823       }{}%
19824       \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%

```



```

19825         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19826         \ifstr{#1}{subsubsection}{%
19827             \@namedef{scr@tso@#1@indent}{7.0em}%
19828         }{%
19829             \ifstr{#1}{paragraph}{%
19830                 \@namedef{scr@tso@#1@indent}{10em}%
19831             }{%
19832                 \ifstr{#1}{subparagraph}{%
19833                     \@namedef{scr@tso@#1@indent}{12em}%
19834                 }{%
19835                     }%
19836                 }%
19837             }%
19838         }%
19839     }%
19840 }%
19841 }%
19842 }%
19843 }%
19844 }%
19845 }{%
19846     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19847 }%
19848 }{%
19849     \@ifundefined{scr@tso@#1@numwidth}{%
19850         \@ifundefined{scr@#1@tocnumwidth}{%
19851             \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19852                 \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19853                     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19854                         \scr@ifundefinedorrelax{chapter}{%
19855                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19856                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19857                                     \ifstr{#1}{subsubsection}{%
19858                                         \@namedef{scr@tso@#1@numwidth}{3.2em}%
19859                                     }{%
19860                                         \ifstr{#1}{paragraph}{%
19861                                             \@namedef{scr@tso@#1@numwidth}{4.1em}%
19862                                         }{%
19863                                             \ifstr{#1}{subparagraph}{%
19864                                                 \@namedef{scr@tso@#1@numwidth}{5m}%
19865                                             }{%
19866                                                 }%
19867                                             }%
19868                                         }%
19869                                     }%
19870                                 }%
19871                             }{%
19872                                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19873                                     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19874                                         \ifstr{#1}{subsubsection}{%
19875                                             \@namedef{scr@tso@#1@numwidth}{3.1em}%
19876                                         }{%
19877                                             \ifstr{#1}{paragraph}{%
19878                                                 \@namedef{scr@tso@#1@numwidth}{5em}%

```



```

19879         }{%
19880         \ifstr{#1}{subparagraph}{%
19881         \namedef{scr@tso@#1@numwidth}{6em}%
19882         }{%
19883         }%
19884         }%
19885         }%
19886         }%
19887         }%
19888         }%
19889         }%
19890         }%
19891         }%
19892     }{%
19893     \namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19894     }%
19895 }{%}%
19896 }]{%
19897 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19898 \ifnum \@nameuse{#1tocdepth}<\@ne
19899 \scr@ifundefinedorrelax{chapter}{%
19900 \addpenalty\@secpenalty
19901 \addvspace{1.0em \@plus\p@}%
19902 }{%
19903 \addpenalty{-\@highpenalty}%
19904 \vskip 1.0em \@plus\p@
19905 }%
19906 \else
19907 \addpenalty\@secpenalty
19908 \addvspace{1.0em \@plus\p@}%
19909 \fi
19910 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19911 \begingroup
19912 \parindent \z@ \bidi@rightskip \@pnumwidth
19913 \parfillskip -\@pnumwidth
19914 \leavevmode
19915 \bfseries
19916 \advance\bidi@leftskip\@tempdima
19917 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19918 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19919 ##1%
19920 \nobreak
19921 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19922 \par
19923 \penalty\@highpenalty
19924 \endgroup
19925 \fi
19926 }
19927
19928 \bidi@undef\scr@dte@def@l@targetocline
19929 \bidi@undef\scr@dte@targetocline@init
19930 \DeclareTOCEntryStyle{targetocline}[{%
19931 \DefineTOCEntryLengthOption{indent}%
19932 {scr@tso@}{@indent}{entry indent}%

```



```

19933 \@ifundefined{#1tocdepth}{%
19934   \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19935     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19936       \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19937         \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19938           \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19939             \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19940               \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19941                 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19942                   \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19943                     \expandafter\let\csname #1tocdepth\expandafter\endcsname
19944                       \csname #1numdepth\endcsname
19945                   }%
19946               }%
19947           }%
19948       }%
19949   }%
19950 }%
19951 }%
19952 }%
19953 }%
19954 }{}%
19955 \@ifundefined{scr@tso@#1@indent}{%
19956   \@ifundefined{scr@#1@tocindent}{%
19957     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19958       \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19959         \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19960           \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19961             \scr@ifundefinedorrelax{1@chapter}{%
19962               \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19963                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19964                   \ifstr{#1}{subsubsection}{%
19965                     \@namedef{scr@tso@#1@indent}{3.8em}%
19966                   }{%
19967                     \ifstr{#1}{paragraph}{%
19968                       \@namedef{scr@tso@#1@indent}{7em}%
19969                     }{%
19970                       \ifstr{#1}{subparagraph}{%
19971                         \@namedef{scr@tso@#1@indent}{10em}%
19972                       }{%
19973                         }%
19974                     }%
19975                   }%
19976                 }%
19977             }%
19978           }{}%
19979         \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19980           \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19981             \ifstr{#1}{subsubsection}{%
19982               \@namedef{scr@tso@#1@indent}{7.0em}%
19983             }{%
19984               \ifstr{#1}{paragraph}{%
19985                 \@namedef{scr@tso@#1@indent}{10em}%
19986               }{%

```



```

19987 \ifstr{#1}{subparagraph}{%
19988 \@namedef{scr@tso@#1@indent}{12em}%
19989 }{%
19990 }%
19991 }%
19992 }%
19993 }%
19994 }%
19995 }%
19996 }%
19997 }%
19998 }%
19999 }%
20000 }{%
20001 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
20002 }%
20003 }{%}%
20004 }{%}%
20005 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
20006 \ifnum \@nameuse{#1tocdepth}<\@ne
20007 \scr@ifundefinedorrelax{chapter}{%
20008 \addpenalty\@secpenalty
20009 \addvspace{2.25em \@plus\p@}%
20010 }{%
20011 \addpenalty{-\@highpenalty}%
20012 \addvspace{2.25em \@plus\p@}%
20013 }%
20014 \else
20015 \addpenalty\@secpenalty
20016 \addvspace{2.25em \@plus\p@}%
20017 \fi
20018 \setlength\@tempdima{3em}%
20019 \begingroup
20020 \parindent \z@ \bidi@rightskip \@pnumwidth
20021 \parfillskip -\@pnumwidth
20022 \leavevmode
20023 \large
20024 \bfseries
20025 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
20026 ##1%
20027 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
20028 \par
20029 \nobreak
20030 \ifnum 0=
20031 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
20032 \global\@nobreaktrue
20033 \everypar{\global\@nobreakfalse\everypar{}}%
20034 \fi
20035 \endgroup
20036 \fi
20037 }
20038
20039 \renewcommand*{\scr@dte@tocline}[3]{%
20040 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth

```



```

20041 \else
20042   \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
20043   \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
20044   {%
20045     \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
20046     \bidi@rightskip \@tocrmarg
20047     \parfillskip -\bidi@rightskip
20048     \@nameuse{Ifscr@tso@#1@raggedpage}{%
20049       \addtolength{\parfillskip}{\z@ \@plus 1fil}%
20050     }{%
20051       \parindent \@nameuse{scr@tso@#1@indent}\relax
20052       \@afterindenttrue
20053       \interlinepenalty\M
20054       \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
20055         \addtolength\bidi@rightskip\@flushglue
20056       \else
20057         \def\reserved@a{\raggedright}%
20058         \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
20059           \addtolength\bidi@rightskip\@flushglue
20060         \else
20061           \renewcommand\reserved@a{\raggedright}%
20062           \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
20063             \addtolength\bidi@rightskip\@flushglue
20064           \fi
20065         \fi
20066       \fi
20067     \leavevmode
20068     \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
20069     \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
20070       \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{%
20071         \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
20072           \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
20073         \fi
20074       }%
20075     }{%
20076       \advance\bidi@leftskip \@tempdima
20077       \null\nobreak\hskip -\bidi@leftskip
20078     }%
20079     \usetocbasicnumberline
20080     \let\scr@dte@numberline@box\numberline@box
20081     \def\numberline@box##1{%
20082       \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
20083     \global\scr@dte@tocline@numberwidth
20084     \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
20085     \ifdim \scr@dte@tocline@numberwidth
20086       >\@nameuse{scr@dte@#1@maxnumwidth}\relax
20087     \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
20088     \fi
20089     \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
20090       \ifdim \scr@dte@tocline@numberwidth
20091         >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
20092         +\@nameuse{scr@tso@#1@numsep}\relax
20093       \PackageWarning{tocbasic}%
20094     }{%

```



```

20095         number width of #1 toc entries should be
20096         increased!\MessageBreak
20097         Currently used number width =
20098         \the\wd\scr@dte@tocline@numbox,\MessageBreak
20099         Wanted number separation
20100         \space\space\space =
20101         \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
20102         Reserved number width \space\space\space\space\space\space =
20103         \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
20104     }%
20105     \fi
20106 }%
20107 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
20108 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
20109     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
20110 }{}%
20111 }%
20112 \@nameuse{scr@tso@#1@entryformat}{%
20113     #2%
20114     \nobreak
20115     {%
20116         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
20117         \nobreak
20118         \@nameuse{scr@tso@#1@pagenumberbox}{%
20119             \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
20120         }%
20121     }%
20122     \@par
20123 }%
20124 }%
20125 }%
20126 \tocbasic@SetPenaltyByTOCLevel{#1}%
20127 \fi
20128 }
20129
20130 \bidi@undef\scr@dte@def@l@tocline
20131 \bidi@undef\scr@dte@tocline@init
20132 \DeclareTOCEntryStyle{tocline}[{%
20133     \DefineTOCEntryLengthOption{beforeskip}%
20134     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
20135     \DefineTOCEntryIfOption{breakafternumber}%
20136     {scr@tso@}{@breakafternumber}{line break after number flag}%
20137     \DefineTOCEntryIfOption{dynnumwidth}%
20138     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
20139     \DefineTOCEntryCommandOption{entryformat}%
20140     {scr@tso@}{@entryformat}[1]{entry format}%
20141     \DefineTOCEntryCommandOption{entrynumberformat}%
20142     {scr@tso@}{@numberformat}[1]{entry number format}%
20143     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
20144     {scr@tso@}{@linefill}{filling between text and page number}%
20145     \DefineTOCEntryLengthOption{numsep}%
20146     {scr@tso@}{@numsep}{entry number separation}%
20147     \DefineTOCEntryCommandOption{onstarthigherlevel}%
20148     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%

```




```

20149 \DefineTOCEntryCommandOption{onstartlowerlevel}%
20150 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
20151 \DefineTOCEntryCommandOption{onstartsamelevel}%
20152 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
20153 \DefineTOCEntryCommandOption{pagenumberbox}%
20154 {scr@tso@}{@pagenumberbox}[1]{page number box}%
20155 \DefineTOCEntryCommandOption{pagenumberformat}%
20156 {scr@tso@}{@pagenumberformat}[1]{page number format}%
20157 \DefineTOCEntryOption{raggedentrytext}[true]{%
20158 \FamilySetBool{KOMAAarg}{raggedentrytext}{@tempswa}{##1}%
20159 \ifx\FamilyKeyState\FamilyKeyStateProcessed
20160 \if@tempswa
20161 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
20162 \raggedright
20163 \else
20164 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
20165 \relax
20166 \fi
20167 \fi
20168 }%
20169 \DefineTOCEntryIfOption{raggedpagenumber}%
20170 {scr@tso@}{@raggedpage}{page number ragged flag}%
20171 \DefineTOCEntryLengthOption{indent}%
20172 {scr@tso@}{@indent}{entry indent}%
20173 \DefineTOCEntryLengthOption{numwidth}%
20174 {scr@tso@}{@numwidth}{entry number width}%
20175 \scr@ifundefinedorrelax{#1tocdepth}{%
20176 \ifstrstart{#1}{sub}{%
20177 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
20178 \expandafter\edef\csname #1tocdepth\endcsname{%
20179 \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
20180 }%
20181 }%
20182 }{}%
20183 }{}%
20184 \@ifundefined{#1tocdepth}{%
20185 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
20186 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
20187 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
20188 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
20189 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
20190 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
20191 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
20192 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
20193 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
20194 \expandafter\let\csname #1tocdepth\endcsname
20195 \csname #1numdepth\endcsname
20196 }%
20197 }%
20198 }%
20199 }%
20200 }%
20201 }%
20202 }%

```



```

20203     }%
20204   }%
20205 }{}%
20206 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
20207   \@ifundefined{scr@#1@tocindent}{%
20208     \ifstrstart{#1}{sub}{%
20209       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
20210         \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
20211         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
20212           \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
20213           \relax
20214         }%
20215       }%
20216     }{}%
20217     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
20218       \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
20219         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
20220         \relax
20221       }%
20222     }{}%
20223     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
20224       \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
20225       +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
20226       \relax
20227     }%
20228   }%
20229 }{}%
20230 }{}%
20231 }{}%
20232 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
20233 }%
20234 }{}%
20235 \@ifundefined{scr@tso@#1@indent}{%
20236   \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
20237     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
20238       \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
20239         \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
20240           \scr@ifundefinedorrelax{l@chapter}{%
20241             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
20242               \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
20243                 \ifstr{#1}{subsubsection}{%
20244                   \@namedef{scr@tso@#1@indent}{3.8em}%
20245                 }{}%
20246                 \ifstr{#1}{paragraph}{%
20247                   \@namedef{scr@tso@#1@indent}{7em}%
20248                 }{}%
20249                 \ifstr{#1}{subparagraph}{%
20250                   \@namedef{scr@tso@#1@indent}{10em}%
20251                 }{}%
20252               }%
20253             }%
20254           }%
20255         }%
20256       }%

```



```

20257         }{%
20258         \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
20259         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
20260         \ifstr{#1}{subsubsection}{%
20261         \@namedef{scr@tso@#1@indent}{7.0em}%
20262         }{%
20263         \ifstr{#1}{paragraph}{%
20264         \@namedef{scr@tso@#1@indent}{10em}%
20265         }{%
20266         \ifstr{#1}{subparagraph}{%
20267         \@namedef{scr@tso@#1@indent}{12em}%
20268         }{%
20269         }%
20270         }%
20271         }%
20272         }%
20273         }%
20274         }%
20275         }%
20276         }%
20277         }%
20278         }%
20279     }{%
20280     \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
20281     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
20282     \ifstrstart{#1}{sub}{%
20283     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
20284     \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
20285     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
20286     +.9em%
20287     \relax
20288     }%
20289     }%
20290     }{%
20291     }{%
20292     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
20293     }%
20294     }{%
20295     \@ifundefined{scr@tso@#1@numwidth}{%
20296     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
20297     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
20298     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
20299     \scr@ifundefinedorrelax{chapter}{%
20300     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
20301     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
20302     \ifstr{#1}{subsubsection}{%
20303     \@namedef{scr@tso@#1@numwidth}{3.2em}%
20304     }{%
20305     \ifstr{#1}{paragraph}{%
20306     \@namedef{scr@tso@#1@numwidth}{4.1em}%
20307     }{%
20308     \ifstr{#1}{subparagraph}{%
20309     \@namedef{scr@tso@#1@numwidth}{5m}%
20310     }{%

```



```

20311         }%
20312     }%
20313 }%
20314 }%
20315 }%
20316 }{%
20317     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
20318         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
20319             \ifstr{#1}{subsubsection}{%
20320                 \@namedef{scr@tso@#1@numwidth}{3.1em}%
20321             }{%
20322                 \ifstr{#1}{paragraph}{%
20323                     \@namedef{scr@tso@#1@numwidth}{5em}%
20324                 }{%
20325                     \ifstr{#1}{subparagraph}{%
20326                         \@namedef{scr@tso@#1@numwidth}{6em}%
20327                     }{%
20328                         }%
20329                     }%
20330                 }%
20331             }%
20332         }%
20333     }%
20334 }%
20335 }%
20336 }%
20337 }{}%
20338 \expandafter\renewcommand%
20339 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
20340 \expandafter\renewcommand%
20341 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
20342 \expandafter\renewcommand%
20343 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
20344 \@ifundefined{scr@tso@#1@beforeskip}{%
20345     \ifstr{#1}{part}{%
20346         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
20347     }{%
20348         \ifstr{#1}{chapter}{%
20349             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
20350         }{%
20351             \ifstr{#1}{section}{%
20352                 \scr@ifundefinedorrelax{1@chapter}{%
20353                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
20354                 }{}%
20355             }{}%
20356         }%
20357     }%
20358 \expandafter\renewcommand\expandafter*%
20359 \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
20360 }{}%
20361 \@ifundefined{scr@dte@#1@maxnumwidth}{%
20362     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
20363     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
20364 }{}%

```



```

20365 \renewcommand*{\scr@dte@donumwidth}{}%
20366 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
20367 \expandafter\renewcommand\expandafter*%
20368 \csname scr@tso@#1@numsep\endcsname{.4em}%
20369 \expandafter\renewcommand%
20370 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
20371 \ifstr{#1}{part}{%
20372   \expandafter\renewcommand%
20373   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
20374 }{%
20375   \ifstr{#1}{chapter}{%
20376     \expandafter\renewcommand%
20377     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20378   }{%
20379     \scr@ifundefinedorrelax{1@chapter}{%
20380       \ifstr{#1}{section}{%
20381         \expandafter\renewcommand%
20382         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20383       }{}%
20384     }{}%
20385     \expandafter\renewcommand%
20386     \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
20387   }%
20388 }%
20389 \expandafter\renewcommand
20390 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
20391 \@ifundefined{scr@tso@#1@linefill}{%
20392   \ifstr{#1}{part}{%
20393     \@namedef{scr@tso@#1@linefill}{\hfill}%
20394   }{%
20395     \ifstr{#1}{chapter}{%
20396       \@namedef{scr@tso@#1@linefill}{\hfill}%
20397     }{%
20398       \scr@ifundefinedorrelax{1@chapter}{%
20399         \ifstr{#1}{section}{%
20400           \@namedef{scr@tso@#1@linefill}{\hfill}%
20401         }{}
20402       }{}
20403       \expandafter\renewcommand%
20404       \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20405     }%
20406   }%
20407 }{}%
20408 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
20409 \ifstr{#1}{part}{%
20410   \expandafter\renewcommand%
20411   \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
20412 }{%
20413   \expandafter\renewcommand%
20414   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20415     {\normalfont\normalcolor ##1}}%
20416 }%
20417 \expandafter\renewcommand%
20418 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%

```



```

20419 \hb@xt@{\pnumwidth{\hfil ##1}}%
20420 \expandafter\renewcommand\csname Ifscr@tso@#1@dynamwidth\endcsname[2]{##2}%
20421 }]{%
20422 \scr@dte@tocline{#1}{##1}{##2}%
20423 }
20424

```

126 File tocstyle-xetex-bidi.def

```

20425 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
20426 \renewcommand*{\tocstyle@dottedtocline}[5]{%
20427 \let\numberline\tocstyle@numberline
20428 \ifnum #1>\c@tocdepth \else
20429 \if\tocstyle@penalties
20430 \begingroup
20431 \@tempcnta 20010
20432 \advance \@tempcnta by -#1
20433 \ifnum \@tempcnta>\lastpenalty
20434 \aftergroup\penalty\aftergroup\@lowpenalty
20435 \fi
20436 \endgroup
20437 \fi
20438 \edef\tocstyledepth{#1}%
20439 \tocstyle@activate@features
20440 \ifx\tocstyle@feature@entryvskip\relax
20441 \vskip \z@ \@plus.2\p@
20442 \else
20443 \addvspace{\tocstyle@feature@entryvskip}%
20444 \fi
20445 {%
20446 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
20447 \tocstyle@feature@raggedhook
20448 \@tempdima #3\relax
20449 \@tempdimb #2\relax
20450 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20451 \ifnum #1>\z@\relax
20452 \@tempcnta #1\relax \advance\@tempcnta \m@ne
20453 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20454 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20455 \@tempdimb
20456 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20457 \advance\@tempdimb
20458 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20459 \fi
20460 \fi
20461 \fi
20462 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20463 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
20464 \ifdim \@tempdimb>
20465 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
20466 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20467 @#1\endcsname{\the\@tempdimb}%
20468 \fi
20469 \else

```



```

20470      \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20471      @#1\endcsname{\the\@tempdimb}%
20472    \fi
20473  \iftocstyle@autolength
20474    \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20475    \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20476    \relax
20477  \fi
20478  \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20479  \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20480  \relax
20481  \fi
20482  \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20483  \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20484  \else
20485    \@tempdimb #2\relax
20486    \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20487  \fi
20488  \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
20489  \ifdim \@tempdima>
20490    \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
20491    \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20492    @\endcsname{\the\@tempdima}%
20493  \fi
20494  \else
20495    \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20496    @\endcsname{\the\@tempdima}%
20497  \fi
20498  \ifcase\tocstyle@indentstyle\relax\else
20499    \@tempdimb \z@
20500    \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20501    \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20502    \relax
20503  \fi
20504  \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20505  \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20506  \fi
20507  \advance\parindent \@tempdimb\@afterindenttrue
20508  \advance\if@RTL\rightskip\else\leftskip\fi \parindent
20509  \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
20510  \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20511  \ifx\tocstyle@feature@parfillskip\relax\else
20512    \advance\parfillskip \tocstyle@feature@parfillskip\relax
20513  \fi
20514  \interlinepenalty\@M
20515  \leavevmode
20516  \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
20517  \null\nobreak
20518  \iftocstyle@indentnotnumbered\else
20519    \hskip -\if@RTL\rightskip\else\leftskip\fi
20520  \fi
20521  \tocstyle@feature@entryhook
20522  {#4}\nobreak
20523  \ifx\tocstyle@feature@leaders\relax

```



```

20524      \leaders\hbox{$\m@th
20525      \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
20526      \mkern \@dotsep mu$}\hfill
20527    \else
20528      \tocstyle@feature@leaders
20529    \fi
20530    \nobreak
20531    \ifx\tocstyle@feature@pagenumberbox\relax
20532      \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
20533    \else
20534      \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
20535    \fi
20536    \par
20537  }%
20538  \if\tocstyle@penalties
20539    \bgroup
20540      \@tempcnta 20009
20541      \advance\@tempcnta by -#1
20542      \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
20543      \reserved@a
20544    \fi
20545  \fi}
20546 \renewcommand*{\tocstyle@numberline}[1]{%
20547   \begingroup
20548     \ifx\tocstyle@feature@spaceafternumber\relax
20549       \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
20550     \else
20551       \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
20552       \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
20553     \fi
20554     \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
20555       \ifdim \@tempdima >
20556         \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
20557         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20558           @\tocstyledepth\endcsname{\the\@tempdima}%
20559       \fi
20560     \else
20561       \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20562         @\tocstyledepth\endcsname{\the\@tempdima}%
20563     \fi
20564   \endgroup
20565   \iftocstyle@indentnotnumbered
20566     \hskip -\if@RTL\rightskip\else\leftskip\fi
20567   \fi
20568   \ifcase \tocstyle@indentstyle
20569     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20570   \or
20571     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20572   \else
20573     \ifx\tocstyle@feature@spaceafternumber\relax
20574       \hbox{\tocstyle@@numberline{#1}\enskip}%
20575     \else
20576       \hbox{\tocstyle@@numberline{#1}\hskip
20577         \tocstyle@feature@spaceafternumber\relax}%

```




```

20578     \fi
20579 \fi
20580 }
20581 \AtBeginDocument{%
20582   \ifcsname l@part\endcsname
20583     \ifcsname l@chapter\endcsname
20584       \setbox\@tempboxa\vbox{\hsize\maxdimen
20585         \l@part{\tocstyle@l@define{part}{-1}}{}}%
20586     \else
20587       \setbox\@tempboxa\vbox{\hsize\maxdimen
20588         \l@part{\tocstyle@l@define{part}{0}}{}}%
20589     \fi
20590 \fi
20591 \ifcsname l@chapter\endcsname
20592   \setbox\@tempboxa\vbox{\hsize\maxdimen
20593     \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
20594 \fi
20595 \ifcsname l@section\endcsname
20596   \setbox\@tempboxa\vbox{\hsize\maxdimen
20597     \l@section{\tocstyle@l@define{section}{1}}{}}%
20598 \fi
20599 \ifcsname l@subsection\endcsname
20600   \setbox\@tempboxa\vbox{\hsize\maxdimen
20601     \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
20602 \fi
20603 \ifcsname l@subsubsection\endcsname
20604   \setbox\@tempboxa\vbox{\hsize\maxdimen
20605     \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
20606 \fi
20607 \ifcsname l@paragraph\endcsname
20608   \setbox\@tempboxa\vbox{\hsize\maxdimen
20609     \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
20610 \fi
20611 \ifcsname l@subparagraph\endcsname
20612   \setbox\@tempboxa\vbox{\hsize\maxdimen
20613     \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
20614 \fi
20615 \ifcsname l@table\endcsname
20616   \setbox\@tempboxa\vbox{\hsize\maxdimen
20617     \l@table{\tocstyle@l@define{table}{1}}{}}%
20618 \fi
20619 \ifcsname l@figure\endcsname
20620   \setbox\@tempboxa\vbox{\hsize\maxdimen
20621     \l@figure{\tocstyle@l@define{figure}{1}}{}}%
20622 \fi
20623 \def\@tempa#1#2#3#4#5{%
20624   \ifnum #1>\c@tocdepth \else
20625     \vskip \z@ \@plus.2\p@
20626     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocdepth
20627     \parindent #2\relax\@afterindenttrue
20628     \interlinepenalty\@M
20629     \leavevmode
20630     \@tempdima #3\relax
20631     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi

```



```

20632      {#4}\nobreak
20633      \leaders\hbox{$\m@th
20634          \mkern \dotsep mu\hbox{.}\mkern \dotsep
20635          mu$}\hfill
20636      \nobreak
20637      \hb@xt@\@pnumwidth{{\hfil \normalfont \normalcolor #5}}%
20638      \par}%
20639  \fi}%
20640  \ifx\@dottedtocline\@tempa\else
20641      \tocstyle\macrochangewarning\@dottedtocline
20642  \fi
20643  \let\tocstyle\@saved@dottedtocline\@dottedtocline
20644  \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
20645  \ifx\numberline\@tempa\else
20646      \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
20647      \ifx\numberline\@tempa\else
20648          \tocstyle\macrochangewarning\numberline
20649      \fi
20650  \fi
20651  \let\tocstyle\@saved\@numberline\@numberline
20652 }
20653 \renewcommand*{\tocstyle@l@define}[2]{%
20654     \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
20655     \edef\@tempa{%
20656         \noexpand\global\noexpand\let
20657         \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
20658         \expandafter\noexpand\csname l@#1\endcsname
20659         \noexpand\gdef
20660         \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
20661             \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
20662         \noexpand\g@addto@macro\noexpand\tocstyle\activate@all@l{%
20663             \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
20664             \expandafter\noexpand\csname tocstyle@l@#1\endcsname
20665         }%
20666     }%
20667     \PackageInfo{tocstyle}{prepare \expandafter\string
20668         \csname l@#1\endcsname\space for redefinition}%
20669     \@tempa
20670 }

```

127 File todonotes-xetex-bidi.def

```

20671 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes packa
20672 \newif\if@bidi@todonotes@textdirection@RTL
20673 \newif\if@bidi@todonotes@figposition@right
20674 \newcommand{\@bidi@todonotes@align}{}%
20675 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
20676 \newcommand{\@bidi@todonotes@textdirection}{}%
20677 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right
20678     \ifcase\@bidi@todonotes@tempb\relax
20679         \@bidi@todonotes@textdirection@RTLtrue
20680         \let\@bidi@todonotes@textdirection\@RLE
20681     \or
20682         \@bidi@todonotes@textdirection@RTLfalse

```



```

20683 \let\@bidi@todonotes@textdirection\LRE
20684 \fi}
20685 \define@choicekey{todonotes}{figposition}[\bidi@todonotes@tempa\bidi@todonotes@tempb]{right,
20686 \ifcase\bidi@todonotes@tempb\relax
20687 \@bidi@todonotes@figposition@righttrue
20688 \or
20689 \@bidi@todonotes@figposition@rightfalse
20690 \fi}
20691 \if@todonotes@disabled%
20692 \else % \if@todonotes@disabled
20693 \renewcommand{\@todonotes@drawInlineNote}{%
20694 \if@todonotes@dviStyle%
20695 {\par\noindent\begin{tikzpicture}[remember picture]%
20696 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20697 \if@todonotes@authorgiven%
20698 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20699 \else%
20700 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20701 \fi
20702 {\par\noindent\begin{tikzpicture}[remember picture]%
20703 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20704 \else%
20705 {\par\noindent\begin{tikzpicture}[remember picture]%
20706 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20707 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@
20708 \if@todonotes@authorgiven%
20709 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}
20710 \else%
20711 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20712 \fi};%
20713 \end{tikzpicture}\par}%
20714 \fi}%
20715 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20716 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20717 \node [coordinate] (inText) {};%
20718 \end{tikzpicture}%
20719 \marginpar[{} Draw note in left margin
20720 \@todonotes@drawMarginNote%
20721 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20722 }]{% Draw note in right margin
20723 \@todonotes@drawMarginNote%
20724 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20725 }%
20726 }%
20727 \renewcommand{\@todonotes@drawMarginNote}{%
20728 \if@todonotes@dviStyle%
20729 \begin{tikzpicture}[remember picture]%
20730 \draw node[notestyle] {};%
20731 \end{tikzpicture}\\%
20732 \begin{minipage}{\@todonotes@textwidth}%
20733 \if@todonotes@authorgiven%
20734 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20735 \else%
20736 \@todonotes@sizecommand \@todonotes@text%

```



```

20737 \fi%
20738 \end{minipage}\%
20739 \begin{tikzpicture}[remember picture]%
20740 \draw node[notestyle] (inNote) {};%
20741 \end{tikzpicture}%
20742 \else%
20743 \let\originalHbadness\hbadness%
20744 \hbadness 100000%
20745 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20746 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20747 \node(X){\vphantom{X}};%
20748 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20749 \if@todonotes@authorgiven%
20750 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@sizecommand\@todonotes@author};%
20751 \node(Y)[below=of X]{};%
20752 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20753 \else%
20754 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20755 \fi%
20756 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20757 \fi%
20758 \end{tikzpicture}%
20759 \hbadness \originalHbadness%
20760 \fi}%
20761 \renewcommand{\missingfigure}[2] [] {%
20762 \setkeys{todonotes}{#1}%
20763 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20764 \par
20765 \noindent
20766 \begin{tikzpicture}
20767 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20768 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20769 \if@bidi@todonotes@figposition@right%
20770 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20771 \fi%
20772 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20773 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20774 \if@bidi@todonotes@figposition@right%
20775 \end{scope}
20776 \begin{scope}[xshift=-3.8cm]
20777 \fi%
20778 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20779 \draw (2, -0.3) node[right, text
20780 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
20781 \if@bidi@todonotes@figposition@right%
20782 \end{scope}
20783 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20784 \fi%
20785 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20786 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20787 \if@bidi@todonotes@figposition@right%
20788 \end{scope}
20789 \end{tikzpicture}
20790 \end{scope}

```



```

20791 \fi%
20792 \end{tikzpicture}\hfill
20793 }% Ending \missingfigure command
20794 \fi % Ending \@todonotes@ifdisabled
20795 \presetkeys%
20796   {todonotes}%
20797   {align=left,%
20798   textdirection=lefttoright,%
20799   figposition=left}{}%

```

128 File wrapfig-xetex-bidi.def

```

20800 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package f
20801 \let\WF@everypar\bidi@n@everypar
20802 \def\WF@putfigmaybe{%
20803   \ifinner
20804     \vskip-\parskip \global\WF@floatfalse
20805     \let\pagetotal\maxdimen % kludge flag for "not top of page"
20806   \else % outer page
20807     \@tempdima\pagedepth % save page depth
20808     {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back
20809     \penalty\interlinepenalty % update pg. parameters
20810     \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20811     \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20812       \global\WF@floatfalse
20813       \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20814     \else
20815       \ifdim\WF@size>\@tempdimb
20816         \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20817         \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20818         \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20819         \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20820         \advance\dimen@.5\baselineskip
20821         \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20822           \global\WF@floatfalse \pagebreak
20823         \fi
20824       \else % \WF@info{Fits in \the\@tempdimb;}%
20825         \global\WF@floatfalse
20826       \fi\fi
20827     \vskip\@tempdima\relax % (return erased page depth)
20828   \fi
20829 \noindent
20830 \ifWF@float
20831   \WF@flmes
20832 \else % putting here;
20833   \WF@info{Put \WF@wfname here:}%
20834   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
20835     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20836     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only 1 or r
20837   \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20838     \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20839     \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20840     \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20841     \xdef\WF@adjlw{\the\@tempdima}%

```



```

20842 \ifnum `l=\WF@place % fig on left
20843 \if@RTL%
20844 \kern\@tempdimb \kern\columnsep
20845 \def\@tempa{\hss}% position to left of the gap
20846 \else%
20847 \hss % figure overlaps space to the left
20848 \def\@tempa{\kern\columnsep}% position to left of the gap
20849 \fi%
20850 \else % fig on right
20851 \if@RTL%
20852 \hss
20853 \@tempdima\z@
20854 \def\@tempa{\kern\columnsep}
20855 \else%
20856 \@tempdima\z@ % no left indentation
20857 \kern\@tempdimb \kern\columnsep
20858 \def\@tempa{\hss}% figure overlaps space to the right
20859 \fi%
20860 \fi
20861 \ifdim\@tempdimb<\hsize
20862 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20863 \xdef\WF@adjtllm{\the\@tempdima}%
20864 \else
20865 \xdef\WF@wrapil{\z@ \the\hsize}%
20866 \xdef\WF@adjlw{\z@}\xdef\WF@adjtllm{\z@}%
20867 \fi
20868 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20869 \global\advance\WF@size-\intextsep
20870 \else % \WF@info{Putting \WF@wfname in middle of page}%
20871 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20872 \fi \dp\WF@box\z@ \box\WF@box \@tempa
20873 }% end \hbox to Opt
20874 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20875 \fi}

```

129 File xcolor-xetex-bidi.def

```

20876 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for
20877 \long\def\color@b@x#1#2#3%
20878 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20879 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20880 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20881 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20882 {\#1{\#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
20883 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20884 \DeclareRobustCommand\color
20885 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]}
20886 \def\@undeclaredcolor[#1]#2%
20887 {\begingroup
20888 \let\@ccls\@empty
20889 \XC@getmodclr12{#1}{#2}{}}%
20890 {\ifblendcolors
20891 \ifx\colorblend\@empty\else
20892 \edef\@mix{\expandafter@gobble\colorblend}\@tempswafalse

```



```

20893      \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
20894      \fi
20895      \fi
20896      \ifconvertcolorsU
20897      \edef\@tmp{\XC@tgt@mod{\@mod}}%
20898      \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20899      \fi
20900      \ifmaskcolors
20901      \convertcolorspec\@mod\@clr\XC@mmod\@clr
20902      \let\@mod\XC@mmod
20903      \XC@inflate\@mod\XC@mclr\@clr\@tmp
20904      \expandafter\XC@mul\@tmp,\@clr
20905      \fi
20906      \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20907      \expandafter\endgroup\@tmp}}
20908 \def\@declaredcolor#1%
20909 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20910 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20911 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20912 \ifconvertcolorsU\XC@tsttrue\fi
20913 \fi
20914 \ifXC@tst
20915 \expandafter\XC@declaredcolor\else
20916 \expandafter\XC@declaredcolor\fi}
20917 \def\XC@undeclaredcolor#1#2%
20918 {\@ifundefinedmodel{#1}%
20919 {\c@lor@error{model `#1'}}%
20920 {\@nameuse{color@#1}\current@color{#2}}%
20921 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
20922 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20923 \def\XC@declaredcolor
20924 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
20925 \edef\current@color{\XC@current@color}%
20926 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20927 \DeclareRobustCommand\bidicolor
20928 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20929 \def\@bidiundeclaredcolor[#1]#2%
20930 {\begingroup
20931 \let\@cls\@empty
20932 \XC@getmodclr12{#1}{#2}{}%
20933 {\ifblendcolors
20934 \ifx\colorblend\@empty\else
20935 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
20936 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
20937 \fi
20938 \fi
20939 \ifconvertcolorsU
20940 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20941 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20942 \fi
20943 \ifmaskcolors
20944 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20945 \let\@mod\XC@mmod
20946 \XC@inflate\@mod\XC@mclr\@clr\@tmp

```



```

20947 \expandafter\XC@mul\@@tmp,\@@clr
20948 \fi
20949 \edef\@@tmp{\noexpand\XC@bidiundeclaredcolor{\@@mod}{\@@clr}}%
20950 \expandafter\endgroup\@@tmp}}
20951 \def\XC@bidiundeclaredcolor#1#2%
20952 {\@ifundefinedmodel{#1}%
20953 {\c@lor@error{model `#1'}}%
20954 {\@nameuse{color@#1}\current@color{#2}}%
20955 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
20956 \XC@display}}
20957 \def\@bidideclaredcolor#1%
20958 {\XC@edef\XC@@tmp{#1}\XC@tstfalse
20959 \ifcase\XC@type\XC@@tmp\relax \XC@tsttrue\or \relax\else
20960 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20961 \ifconvertcolorsU\XC@tsttrue\fi
20962 \fi
20963 \ifXC@tst
20964 \expandafter\XC@bidideclaredcolor\else
20965 \expandafter\XC@bidideclaredc@lor\fi}
20966 \def\XC@bidideclaredcolor
20967 {\XC@split\XC@@tmp
20968 \edef\@@tmp{\noexpand\@bidiundeclaredcolor[\@@mod]{\@@clr}}%
20969 \expandafter\endgroup\@@tmp}
20970 \def\XC@bidideclaredc@lor
20971 {\XC@let\Nc\XC@current@color{\string\color@\XC@@tmp}%
20972 \edef\current@color{\XC@current@color}%
20973 \XC@display}
20974 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20975 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20976 \def\color@fb@x#1#2#3#4%
20977 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
20978 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20979 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

130 File latex-xetex-bidi.def

```

20980 \ProvidesFile{latex-xetex-bidi.def}[2022/02/18 v1.4.0 bidi adaptations for `latex.ltx' for
20981 \newcommand{\TeXXeTOn}{\TeXXeTstate\@ne}
20982 \newcommand{\TeXXeTOff}{\TeXXeTstate\z@}
20983 \TeXXeTOn
20984 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20985 \let\bidi@o@everypar=\everypar
20986 \newtoks\bidi@n@everypar
20987 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20988 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20989 \let\everypar=\bidi@n@everypar
20990 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20991 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20992 \protected\def\hboxR{\hbox\bgroup
20993 \everyhbox{%
20994 \aftergroup\egroup
20995 \everyhbox{}}%
20996 \beginR
20997 \@hboxRconstructtrue

```




```

20998 \bgroup
20999 \aftergroup\endR
21000 \aftergroup\egroup
21001 }\hbox}
21002 \protected\def\hboxL{\hbox\bgroup
21003 \everyhbox{%
21004 \aftergroup\egroup
21005 \everyhbox{}}%
21006 \beginL
21007 \@hboxRconstructfalse
21008 \bgroup
21009 \aftergroup\endL
21010 \aftergroup\egroup
21011 }\hbox}
21012 \protected\def\vboxR{\vbox\bgroup
21013 \everyvbox{%
21014 \aftergroup\egroup
21015 \everyvbox{}}%
21016 \@RTLtrue
21017 \@RTLtabtrue
21018 \bgroup
21019 \aftergroup\egroup
21020 }\vbox}
21021 \protected\def\vboxL{\vbox\bgroup
21022 \everyvbox{%
21023 \aftergroup\egroup
21024 \everyvbox{}}%
21025 \@RTLfalse
21026 \@RTLtabfalse
21027 \bgroup
21028 \aftergroup\egroup
21029 }\vbox}
21030 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
21031 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
21032 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
21033 \def\endLTR{\par}
21034 \newenvironment{LTR*}{\LTR
21035 \everypar{%
21036 {\setbox\z@\lastbox
21037 \ifvoid\z@
21038 \kern-\parindent
21039 \fi}%
21040 }%
21041 }\endLTR\@endpetrue}
21042 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
21043 \def\endRTL{\par}
21044 \newenvironment{RTL*}{\RTL
21045 \everypar{%
21046 {\setbox\z@\lastbox
21047 \ifvoid\z@
21048 \kern-\parindent
21049 \fi}%
21050 }%
21051 }\endRTL\@endpetrue}

```



```

21052 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
21053 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
21054 \let\unsetRTL=\setLTR
21055 \let\unsetLTR=\setRTL
21056 \let\LR=\LRE
21057 \let\RL=\RLE
21058 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
21059 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
21060 \let\@ensure@RL=\@ensure@RTL
21061 \let\@ensure@LR=\@ensure@LTR
21062 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
21063 \let\@ensure@maindir=\@ensure@dir
21064 \def\@RTL{RTL}
21065 \def\@LTR{LTR}
21066 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
21067 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi}
21068 \let\@TeX\TeX
21069 \def\TeX{\@ensure@LTR{\@TeX}}
21070 \let\@LaTeX\LaTeX
21071 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
21072 \let\@LaTeXe\LaTeXe
21073 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
21074 \long\def\bidireflect@box#1{%
21075   \leavevmode
21076   \setbox\z@\hbox{#1}%
21077   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
21078   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
21079 }
21080 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
21081   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
21082 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
21083   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
21084 \let\setRL=\setRTL
21085 \let\setLR=\setLTR
21086 \let\unsetRL=\setLTR
21087 \def\biditabular@RTLcases{\let\@halignto\empty\@bidi@tabular@RTLcases}
21088 \ifpackageloaded{array}{%
21089 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
21090   \leavevmode
21091   \hbox\bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
21092   \let\dollarend\endgroup
21093   \@tabarray}
21094 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
21095 }{%
21096 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
21097   \leavevmode \hbox\bgroup
21098   $\left.\let\@acol\@tabacol
21099   \let\@classz\@tabclassz
21100   \let\@classiv\@tabclassiv \let\\ \@tabularcr\@tabarray}
21101
21102 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
21103   \egroup\right\rbrace $\egroup}}
21104 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
21105   \ialign{##\hfil$&\quad{##}\hfil\crr#1\crr}}\,\right\}}

```



```

21106 \renewenvironment{RTLcases}{%
21107   \bidi@matrix@check\RTLcases\env@RTLcases
21108 }{%
21109   \endbidi@tabular@RTLcases%
21110 }
21111 \def\env@RTLcases{%
21112   \let\@ifnextchar\bidi@new@ifnextchar
21113   \def\arraystretch{1.2}%
21114   \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}}%
21115 }
21116 \def\SepMark#1{\gdef\@SepMark{#1}}
21117 \SepMark{.}
21118 \def\@thmcountersep{\@SepMark}
21119 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
21120 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
21121 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
21122 \newcommand*{\bidi@thebibliography@font@hook}{}
21123 \def\list#1#2{%
21124   \ifnum \@listdepth >5\relax
21125     \@toodeep
21126   \else
21127     \global\advance\@listdepth\@ne
21128   \fi
21129   \rightmargin\z@
21130   \listparindent\z@
21131   \itemindent\z@
21132   \csname @list\romannumeral\the\@listdepth\endcsname
21133   \def\@itemlabel{#1}%
21134   \let\makelabel\@mklab
21135   \@nmbrrlistfalse
21136   #2\relax
21137   \@trivlist
21138   \parskip\parsep
21139   \parindent\listparindent
21140   \advance\linewidth -\rightmargin
21141   \advance\linewidth -\leftmargin
21142   \if@bidi@list@minipage@parbox
21143     \if@RTL
21144       \advance\@totalleftmargin \leftmargin
21145     \else
21146       \advance\@totalleftmargin \rightmargin
21147     \fi
21148   \else
21149     \if@hboxRconstruct
21150     \if@bidi@list@minipage@parbox@not@nob
21151     \if@RTL
21152       \advance\@totalleftmargin \rightmargin
21153     \else
21154       \advance\@totalleftmargin \leftmargin
21155     \fi
21156   \else
21157     \if@RTL
21158       \advance\@totalleftmargin \leftmargin
21159     \else

```



```

21160 \advance\@totalleftmargin \rightmargin
21161 \fi\fi
21162 \else
21163 \if@RTL
21164 \advance\@totalleftmargin \rightmargin
21165 \else
21166 \advance\@totalleftmargin \leftmargin
21167 \fi\fi\fi
21168 \parshape \@ne \@totalleftmargin \linewidth
21169 \ignorespaces}
21170 \long\def\@iiiiparbox#1#2[#3]#4#5{%
21171 \leavevmode
21172 \@pboxswfalse
21173 \if@hboxRconstruct
21174 \@bidi@list@minipage@parbox@not@nobtrue
21175 \fi
21176 \if@RTL
21177 \ifx#1t%
21178 \@bidi@list@minipage@parboxtrue
21179 \else
21180 \ifx#1b%
21181 \@bidi@list@minipage@parboxtrue
21182 \fi
21183 \fi
21184 \fi
21185 \setlength\@tempdima{#4}%
21186 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
21187 \ifx\relax#2\else
21188 \setlength\@tempdimb{#2}%
21189 \edef\@parboxto{to\the\@tempdimb}%
21190 \fi
21191 \if#1b\vbox
21192 \else\if #1t\vtop
21193 \else\ifmmode\vcenter
21194 \else\@pboxswtrue $\vcenter
21195 \fi\fi\fi
21196 \@parboxto{\let\hss\vss\let\unhbox\unvbox
21197 \csname bm@#3\endcsname}%
21198 \if@pboxsw \m@th$\fi
21199 \@end@tempboxa}
21200 \newenvironment{LTRitems}
21201 {\par\@RTLfalse\@RTLtabfalse
21202 \if@bidi@list@minipage@parbox
21203 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
21204 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
21205 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
21206 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
21207 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
21208 \ignorespaces}{\vskip\z@}
21209 \newenvironment{RTLitems}
21210 {\par\@RTLtrue\@RTLtabtrue
21211 \if@bidi@list@minipage@parbox
21212 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
21213 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob

```



```

21214         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
21215         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
21216         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
21217         \ignorespaces}{\vskip\z@}
21218 \newenvironment{LTRbibitems}
21219 {
21220     \par\@RTLfalse\@RTLtabfalse
21221     \if@bidi@list@minipage@parbox
21222     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
21223     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
21224     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
21225     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
21226     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
21227     \ignorespaces}{\vskip\z@}
21228 \newenvironment{RTLbibitems}
21229 {
21230     \par\@RTLtrue\@RTLtabtrue
21231     \if@bidi@list@minipage@parbox
21232     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
21233     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
21234     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
21235     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
21236     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
21237     \ignorespaces}{\vskip\z@}
21238 \def\raggedright{%
21239     \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
21240     \leftskip\z@skip
21241     \parindent\z@\parfillskip\z@skip}
21242 \let\bidiorig@raggedleft\raggedleft
21243 \let\bidiorig@raggedright\raggedright
21244 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidiorig@raggedright\else\if@hboxRconstruct\bidiorig@raggedleft\else\if@hboxRconstruct\bidiorig@raggedright\fi}
21245 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidiorig@raggedleft\else\if@hboxRconstruct\bidiorig@raggedright\else\if@hboxRconstruct\bidiorig@raggedleft\fi}
21246 \newcommand{\bidiorag@left}{\if@RTL\raggedleft\else\raggedright\fi}
21247 \newcommand{\bidiorag@right}{\if@RTL\raggedright\else\raggedleft\fi}
21248 \def\centerline#1{%
21249     \if@RTL\@@line{\hss\beginR#1\endR\hss}
21250     \else\@@line{\hss#1\hss}\fi}
21251 \def\leftline#1{%
21252     \if@RTL\@@line{\beginR#1\endR\hss}
21253     \else\@@line{#1\hss}\fi}
21254 \def\rightline#1{%
21255     \if@RTL\@@line{\hss\beginR#1\endR}
21256     \else\@@line{\hss#1}\fi}
21257 \let\bidiorig@leftline\leftline
21258 \let\bidiorig@rightline\rightline
21259 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\bidiorig@leftline{#1}\fi}
21260 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\bidiorig@rightline{#1}\fi}
21261 \def\bidirlap#1{\hb@xt@#1{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
21262 \def\bidillap#1{\hb@xt@#1{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
21263 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}
21264 \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
21265 \def\narrower{%
21266     \advance\if@RTL\rightskip\else\leftskip\fi\parindent
21267     \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
21268 \def\underline#1{%
21269     \relax

```



```

21268 \ifmmode\@@underline{#1}%
21269 \else
21270 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
21271 \else
21272 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
21273 \if@compatibility
21274 \let\undertext=\underline
21275 \fi
21276 \def\@tabular{%
21277 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
21278 $\let\@acol\@tabacol
21279 \let\@classz\@tabclassz
21280 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
21281 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
21282 \egroup $\if@RTLtab\endR\fi\egroup}
21283 \expandafter \let \csname endtabular*\endcsname = \endtabular
21284 \def\@array[#1]#2{%
21285 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
21286 \bgroup
21287 \setbox\@arstrutbox\hbox{%
21288 \vrule \@height\arraystretch\ht\strutbox
21289 \@depth\arraystretch\dp\strutbox
21290 \@width\z@}%
21291 \mkpream{#2}%
21292 \edef\@preamble{%
21293 \ialign \noexpand\@halignto
21294 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
21295 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
21296 \let\@tabularnewline\\
21297 \let\par\@empty
21298 \let\@sharp##
21299 \set@typeset@protect
21300 \lineskip\z@skip\baselineskip\z@skip
21301 \ifhmode \@preamerr\z@ \@@par\fi
21302 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
21303 \@preamble}
21304 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
21305 \let\@classiv\@arrayclassiv
21306 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
21307 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
21308 \ifnum \@lastchclass=3 5 \else
21309 \z@ \if #1c\@chnum \z@ \else
21310 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
21311 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
21312 \@chclass \if #1|\@ne \else
21313 \if #1@\tw@ \else
21314 \if #1p3 \else \z@ \@preamerr 0\fi
21315 \fi \fi \fi \fi \fi \fi
21316 \fi}
21317 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
21318 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
21319 \def\bm@t{\unhbox\@tempboxa\hss}
21320 \def\bm@b{\hss\unhbox\@tempboxa}
21321 \def\@dottedtocline#1#2#3#4#5{%

```



```

21322 \ifnum #1>\c@tocdepth \else
21323   \vskip \z@ \@plus.2\p@
21324   {\ifRTL\righskip\else\leftskip\fi #2\relax \ifRTL\leftskip\else\righskip\fi \@tocma
21325   \parindent #2\relax\@afterindenttrue
21326   \interlinepenalty\@M
21327   \leavevmode
21328   \@tempdima #3\relax
21329   \advance\ifRTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\righ
21330   {#4}\nobreak
21331   \leaders\hbox{$\m@th
21332     \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
21333     mu$}\hfill
21334   \nobreak
21335   \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
21336   \par}%
21337 \fi}
21338
21339 \newcount\bidicolumn@check@number
21340
21341 \def\bidicolumn@status#1{\gdef\bidicurrent@column@status{#1}}
21342
21343 \def\bidiset@column@status#1#2{%
21344   \global\expandafter\let\csname #1\endcsname\bidicurrent@column@status}
21345
21346 \if@twocolumn
21347 \newcommand\DetectColumn[3][1]{%
21348   \ifx\bidifirstcolumn@status@write\relax
21349     \PackageError{bidi}%
21350     {Option 'DetectColumn' not selected}%
21351     {\string\DetectColumn\space
21352     requires the use of the 'DetectColumn'
21353     option on the package}%
21354   \fi
21355   \global\advance\bidicolumn@check@number\@ne
21356   \edef\bidicolumn@type{\expandafter\ifx
21357     \csname bidi@column-\the\bidicolumn@check@number\endcsname\relax
21358     0\else
21359     \csname bidi@column-\the\bidicolumn@check@number\endcsname
21360     \fi}%
21361   \ifcase \bidicolumn@type\relax
21362     \ifcase #1\or #2\or#3\fi % 0 not known use first column as default
21363   \or
21364     #2% % 1 First column
21365   \or
21366     #3% % 2 Second (Last column)
21367   \else
21368     \ERROR
21369   \fi
21370   \edef\next{\write\@auxout
21371     {\string\bidiset@column@status{\bidicolumn-\the\bidicolumn@check@number}}%
21372     {\bidicolumn@type}}}%
21373   \next
21374 }
21375

```



```

21376 \AtEndDocument{\def\bidi@set@column@status#1#2{%
21377     \ifnum #2=\bidi@current@column@status\else
21378         \@tempwatrue
21379     \fi}%
21380 }
21381 \fi
21382
21383 \def\RTL@outputdblcol{%
21384     \if@firstcolumn
21385         \global\@firstcolumnfalse
21386         \global\setbox\@leftcolumn\copy\@outputbox
21387         \splitmaxdepth\maxdimen
21388         \vbadness\maxdimen
21389         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21390         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21391         \toks@\expandafter{\topmark}%
21392         \xdef\@firstcoltopmark{\the\toks@}%
21393         \toks@\expandafter{\splitfirstmark}%
21394         \xdef\@firstcolfirstmark{\the\toks@}%
21395         \ifx\@firstcolfirstmark\@empty
21396             \global\let\@setmarks\relax
21397         \else
21398             \gdef\@setmarks{%
21399                 \let\firstmark\@firstcolfirstmark
21400                 \let\topmark\@firstcoltopmark}%
21401         \fi
21402     \else
21403         \global\@firstcolumntrue
21404         \setbox\@outputbox\vbox{%
21405             \hb@xt@\textwidth{%
21406                 \hskip \columnwidth
21407                 \hfil
21408                 {\normalcolor\vrule \@width\columnseprule}%
21409                 \hfil
21410                 \hb@xt@\columnwidth{%
21411                     \bidi@firstcolumn@status@write%
21412                     \box\@leftcolumn \hss}%
21413                 \hskip -\textwidth
21414                 \hb@xt@\columnwidth{%
21415                     \bidi@lastcolumn@status@write%
21416                     \box\@outputbox \hss}%
21417                 \hskip \columnsep
21418                 \hskip \columnwidth }}%
21419         \@combinedblfloats
21420         \@setmarks
21421         \@outputpage
21422         \begingroup
21423             \@dblfloatplacement
21424             \@startdblcolumn
21425             \@whilesw\if@fcolmade \fi{\@outputpage
21426                 \@startdblcolumn}%
21427         \endgroup
21428     \fi}%
21429

```




```

21430 \def\LTR@outputdblcol{%
21431   \if@firstcolumn
21432     \global\@firstcolumnfalse
21433     \global\setbox\@leftcolumn\copy\@outputbox
21434     \splitmaxdepth\maxdimen
21435     \vbadness\maxdimen
21436     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21437     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21438     \toks@\expandafter{\topmark}%
21439     \xdef\@firstcoltopmark{\the\toks@}%
21440     \toks@\expandafter{\splitfirstmark}%
21441     \xdef\@firstcolfirstmark{\the\toks@}%
21442     \ifx\@firstcolfirstmark\@empty
21443       \global\let\@setmarks\relax
21444     \else
21445       \gdef\@setmarks{%
21446         \let\firstmark\@firstcolfirstmark
21447         \let\topmark\@firstcoltopmark}%
21448     \fi
21449   \else
21450     \global\@firstcolumntrue
21451     \setbox\@outputbox\vbox{%
21452       \hb@xt@\textwidth{%
21453         \hb@xt@\columnwidth{%
21454           \bidi@firstcolumn@status@write%
21455           \box\@leftcolumn \hss}%
21456         \hfil
21457         {\normalcolor\vrule \@width\columnseprule}%
21458         \hfil
21459         \hb@xt@\columnwidth{%
21460           \bidi@lastcolumn@status@write%
21461           \box\@outputbox \hss}}}%
21462   \@combinedblfloats
21463   \@setmarks
21464   \@outputpage
21465   \begingroup
21466     \@dblfloatplacement
21467     \@startdblcolumn
21468     \@whilesw\if@fcolmade \fi{\@outputpage
21469       \@startdblcolumn}%
21470   \endgroup
21471 \fi}%
21472
21473
21474 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
21475 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
21476 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
21477
21478 \bidi@patchcmd\@makecol{%
21479   \ifvoid\footins
21480     \setbox\@outputbox \box\@cclv
21481   \else
21482     \setbox\@outputbox \vbox {%
21483       \boxmaxdepth \@maxdepth

```



```

21484      \unvbox \@cclv
21485      \vskip \skip\footins
21486      \color@begingroup
21487      \normalcolor
21488      \footnoterule
21489      \unvbox \footins
21490      \color@endgroup
21491    }%
21492  \fi
21493 }{%
21494   \ifvoid\footins
21495     \ifvoid\@bidi@copyins@
21496       \setbox\@outputbox \box\@cclv
21497     \else
21498       \setbox\@outputbox \vbox {%
21499         \boxmaxdepth \@maxdepth
21500         \unvbox \@cclv
21501         \vskip \skip\@bidi@copyins@
21502         \color@begingroup
21503         \normalcolor
21504         \unvbox \@bidi@copyins@
21505         \color@endgroup
21506       }%
21507     \fi
21508   \else
21509     \setbox\@outputbox \vbox {%
21510       \boxmaxdepth \@maxdepth
21511       \unvbox \@cclv
21512       \vskip \skip\footins
21513       \color@begingroup
21514       \normalcolor
21515       \footnoterule
21516       \unvbox \footins
21517       \color@endgroup
21518     \ifvoid\@bidi@copyins@
21519     \else
21520       \vskip \skip\@bidi@copyins@
21521       \color@begingroup
21522       \normalcolor
21523       \unvbox \@bidi@copyins@
21524       \color@endgroup
21525     \fi
21526   }%
21527 \fi
21528 }{}{}
21529
21530 \def\LTRmarginpar{%
21531   \ifhmode
21532     \@bsphack
21533     \@floatpenalty -\@Mii
21534   \else
21535     \@floatpenalty -\@Miii
21536   \fi
21537   \ifinner

```



```

21538 \@parmoderr
21539 \@floatpenalty\z@
21540 \else
21541 \@next\@currbox\@freelist{}\{}%
21542 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21543 {\@floatpenalty\z@
21544 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21545 \fi
21546 \@ifnextchar [\@LTRxmpar\@LTRympar}
21547 \long\def\@LTRxmpar[#1]#2{%
21548 \@LTRsavemarbox\@marbox{#1}%
21549 \@LTRsavemarbox\@currbox{#2}%
21550 \@xympar}
21551 \long\def\@LTRympar#1{%
21552 \@LTRsavemarbox\@marbox{#1}%
21553 \global\setbox\@currbox\copy\@marbox
21554 \@xympar}
21555 \long\def \@LTRsavemarbox #1#2{%
21556 \global\setbox #1%
21557 \color@vbox
21558 \vtop{%
21559 \hsize\marginparwidth
21560 \@parboxrestore
21561 \@LTRmarginparreset
21562 #2%
21563 \@minipagefalse
21564 \outer@nobreak
21565 }%
21566 \color@endbox
21567 }
21568 \def \@LTRmarginparreset {%
21569 \reset@font
21570 \normalsize
21571 \@minipagetrue
21572 \everypar{\@minipagefalse\everypar{}\beginL}%
21573 }
21574 \def\RTLmarginpar{%
21575 \ifhmode
21576 \@bsphack
21577 \@floatpenalty -\@Mii
21578 \else
21579 \@floatpenalty-\@Miii
21580 \fi
21581 \ifinner
21582 \@parmoderr
21583 \@floatpenalty\z@
21584 \else
21585 \@next\@currbox\@freelist{}\{}%
21586 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21587 {\@floatpenalty\z@
21588 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21589 \fi
21590 \@ifnextchar [\@RTLxmpar\@RTLympar}
21591 \long\def\@RTLxmpar[#1]#2{%

```



```

21592 \@RTLsavemarbox\@marbox{#1}%
21593 \@RTLsavemarbox\@currbox{#2}%
21594 \@xympar}
21595 \long\def\@RTLympar#1{%
21596 \@RTLsavemarbox\@marbox{#1}%
21597 \global\setbox\@currbox\copy\@marbox
21598 \@xympar}
21599 \long\def \@RTLsavemarbox #1#2{%
21600 \global\setbox #1%
21601 \color@vbox
21602 \vtop{%
21603 \hsize\marginparwidth
21604 \parboxrestore
21605 \@RTLmarginparreset
21606 #2%
21607 \@minipagefalse
21608 \outer@nobreak
21609 }%
21610 \color@endbox
21611 }
21612 \def \@RTLmarginparreset {%
21613 \reset@font
21614 \normalsize
21615 \@minipagetrue
21616 \everypar{\@minipagefalse\everypar{}\beginR}%
21617 }
21618 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
21619 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
21620 \if@twocolumn
21621 \if@firstcolumn \@tempcnta\m@ne \fi
21622 \else
21623 \if@mparswitch
21624 \ifodd\c@page \else\@tempcnta\m@ne \fi
21625 \fi
21626 \if@reversemargin \@tempcnta -\@tempcnta \fi
21627 \fi
21628 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
21629 \@tempdima\@mparbottom
21630 \advance\@tempdima -\@pageht
21631 \advance\@tempdima\ht\@marbox
21632 \ifdim\@tempdima >\z@
21633 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
21634 \else
21635 \@tempdima\z@
21636 \fi
21637 \global\@mparbottom\@pageht
21638 \global\advance\@mparbottom\@tempdima
21639 \global\advance\@mparbottom\dp\@marbox
21640 \global\advance\@mparbottom\marginparpush
21641 \advance\@tempdima -\ht\@marbox
21642 \global\setbox \@marbox
21643 \vbox {\vskip \@tempdima
21644 \box \@marbox}%
21645 \global \ht\@marbox \z@

```



```

21646 \global \dp\@marbox \z@
21647 \kern -\@pagedp
21648 \nointerlineskip
21649 \hb@xt@\columnwidth
21650 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL
21651 \hskip\columnwidth \hskip\marginparsep
21652 \else
21653 \hskip -\marginparsep \hskip -\marginparwidth
21654 \fi
21655 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR
21656 \nointerlineskip
21657 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
21658 \long\def\@ympar#1{%
21659 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
21660 \global\setbox\@currbox\copy\@marbox
21661 \@xympar}
21662 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
21663 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
21664 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
21665 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
21666 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
21667 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
21668 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
21669 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
21670 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
21671 \fi}
21672
21673 \newcommand*{\bidi@font\@outputpage}{\}
21674
21675 \def\@outputpage{%
21676 \begingroup % the \endgroup is put in by \aftergroup
21677 \let \protect \noexpand
21678 \@resetactivechars
21679 \global\let\@if@newlist\if@newlist
21680 \global\@newlistfalse
21681 \@parboxrestore
21682 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
21683 \bidi@beforeoutputpageshipouthook
21684 \shipout \vbox{%
21685 \set@typeset@protect
21686 \aftergroup \endgroup
21687 \aftergroup \set@typeset@protect
21688 % correct? or just restore by ending
21689 % the group?
21690 \if@specialpage
21691 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
21692 \fi
21693 \if@twoside
21694 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
21695 \if@RTLmain
21696 \let\@themargin\evensidemargin
21697 \else
21698 \let\@themargin\oddsidemargin
21699 \fi

```



```

21700 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
21701 \ifRTLmain
21702 \let\@themargin\oddsidemargin
21703 \else
21704 \let\@themargin\evensidemargin
21705 \fi
21706 \fi
21707 \ifx\@thehead\@empty \let\@thehead\hfil \fi
21708 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
21709 \else %% not @twoside
21710 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
21711 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
21712 \fi
21713 \reset@font
21714 \normalsize
21715 \bidi@font@@outputpage
21716 \normalsfcodes
21717 \let\label\@gobble
21718 \let\index\@gobble
21719 \let\glossary\@gobble
21720 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21721 \@beginndvi
21722 \vskip \topmargin
21723 \moveright\@themargin \vbox {%
21724 \global\let\bidi@BeforeHeader\@firstofone
21725 \bidi@beforeheaderhook
21726 \setbox\@tempboxa \vbox to\headheight{%
21727 \vfil
21728 \color@hbox
21729 \normalcolor
21730 \hb@xt@\textwidth{\ifRTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
21731 \color@endbox
21732 }% %% 22 Feb 87
21733 \dp\@tempboxa \z@
21734 \box\@tempboxa
21735 \vskip \headsep
21736 \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
21737 \bidi@beforeoutputboxoutputpagehook
21738 \box\@outputbox
21739 \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
21740 \bidi@afteroutputboxoutputpagehook
21741 \global\let\bidi@BeforeFooter\@firstofone
21742 \bidi@beforefooterhook
21743 \baselineskip \footskip
21744 \color@hbox
21745 \normalcolor
21746 \hb@xt@\textwidth{\ifRTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@
21747 \color@endbox
21748 \global\let\bidi@AfterFooter\@firstofone
21749 \bidi@afterfooterhook
21750 }%
21751 }%
21752 \global\let\bidi@AfterOutputPageShipOut\@firstofone
21753 \bidi@afteroutputpageshipouthook

```



```

21754 \global\let\if@newlist\@if@newlist
21755 \global \colht \textheight
21756 \stepcounter{page}%
21757 \let\firstmark\botmark
21758 \global\let\bidid@AtEndOutputPage\@firstofone
21759 \bidid@atendoutputpagehook
21760 }
21761 \long\def\@makecaption#1#2{%
21762 \vskip\abovecaptionskip
21763 \sbox\@tempboxa{#1: #2}%
21764 \ifdim \wd\@tempboxa >\hsize
21765 \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21766 \else
21767 \global \@minipagefalse
21768 \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
21769 \fi
21770 \vskip\belowcaptionskip}
21771 \let\bidid@saved@eqno=\eqno
21772 \let\bidid@saved@leqno=\leqno
21773 \def\eqno{\ifnum\predisplaydirection<\z@ \bidid@saved@leqno \else \bidid@saved@eqno \fi}
21774 \def\leqno{\ifnum\predisplaydirection<\z@ \bidid@saved@eqno \else \bidid@saved@leqno \fi}
21775 \@ifpackageloaded{amsmath}{}{
21776 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
21777 }
21778 \input{footnote-xetex-bidi.def}
21779 \if@twocolumn
21780 \let\autofooterule\relax
21781 \let\leftfootnoterule\relax
21782 \let\rightfootnoterule\relax
21783 \textwidthfootnoterule
21784 \fi
21785 \if@bidid@csundef{\@idxitem}{}{
21786 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
21787 }
21788 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
21789 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
21790 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
21791 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
21792 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
21793 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
21794 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
21795 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
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21799 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
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21801 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
21802 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
21803 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
21804 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
21805 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
21806 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
21807 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}

```



```

21808 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
21809 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
21810 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
21811 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{}{\input{book-xetex-bidi.def}}{}
21812 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
21813 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
21814 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21815 \@ifpackageloaded{amsmath}{\%
21816 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
21817 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
21818 }
21819 \@ifpackageloaded{mathtools}{\%
21820 \RequirePackage{graphicx}%
21821 \input{mathtools-xetex-bidi.def}%
21822 }{}
21823 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21824 \@ifpackageloaded{lscape}{\RequirePackage{graphicx}}{}
21825 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21826 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
21827 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21828 \@ifpackagewith{algorithm2e}{algonl}{\%
21829 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{A
21830 }}{}
21831 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21832 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
21833 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
21834 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21835 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21836 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21837 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
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21854 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
21855 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21856 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21857 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21858 \@ifpackageloaded{lscape}{\input{lscape-xetex-bidi.def}}{}
21859 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21860 \@ifpackageloaded{footnotebackref}{\input{footnotebackref-xetex-bidi.def}}{}
21861 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}

```




```

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21864 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21865 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21866 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21867 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21868 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21869 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21870 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21871 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21872 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21873 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
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21875 \@ifpackageloaded{pdfscape}{\input{pdfscape-xetex-bidi.def}}{}
21876 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21877 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21878 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21879 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
21880 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21881 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21882 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21883 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21884 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21885 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21886 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21887 \@ifpackagewith{sidecap}{innercaption}{%
21888 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21889 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {{#1}\hspace{\sidecaptionsep}{#2}}
21890 \renewcommand*{\SC@justify@caption}{%
21891 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21892 \renewcommand*{\SC@FLOAT}[2]{%
21893 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {{#2}\hspace{\sidecaptionsep}{#1}}
21894 \renewcommand*{\SC@justify@caption}{%
21895 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21896 }{}
21897 \@ifpackagewith{sidecap}{rightcaption}{%
21898 \if@RTL\renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21899 \def\SC@justify@caption{\RaggedLeft}\else%
21900 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21901 \def\SC@justify@caption{\RaggedRight}\fi%
21902 }{}
21903 \@ifpackagewith{sidecap}{leftcaption}{%
21904 \if@RTL \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
21905 \def\SC@justify@caption{\RaggedRight}\else%
21906 \renewcommand*{\SC@FLOAT}[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21907 \def\SC@justify@caption{\RaggedLeft}\fi%
21908 }{}
21909 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21910 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21911 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21912 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21913 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21914 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21915 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}

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21920 \ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
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21922 \ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21923 \ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
21924 \ifpackageloaded{tbls}{\input{tbls-xetex-bidi.def}}{}
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21926 \ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
21927 \ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
21928 \ifpackageloaded{tocbibind}{\ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}
21929 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}
21930 \ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21931 \ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

131 File `xltxtra-xetex-bidi.def`

```

21932 \ProvidesFile{xltxtra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltxtra package f
21933 \let\@@XeTeX\XeTeX
21934 \def\XeTeX{\@ensure@LTR{\@@XeTeX}}
21935 \let\@@XeLaTeX\XeLaTeX
21936 \def\XeLaTeX{\@ensure@LTR{\@@XeLaTeX}}

```

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