



# The *bidi Package*

Source documentation for **version 36**

*to my Master, **Ferdowsi The Great***

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

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

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# The *bid* Package

## Bidirectional typesetting in plain $\text{\TeX}$ and $\text{\LaTeX}$ , using $\text{\XeTeX}$ engine

Source documentation for [version 36](#)

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May 13, 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 XeLaTeX]
2 \def\tocline#1#2#3#4#5#6#7{\relax
3   \ifnum #1>\c@tocdepth % then omit
4   \else
5     \par \addpenalty\@secpenalty\addvspace{#2}%
6     \begingroup \hyphenpenalty\@M
7     \@ifempty{#4}{%
8       \@tempdima\csname r@tocindent\number#1\endcsname\relax
9     }{%
10      \@tempdima#4\relax
11    }%
12    \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi
13    \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14    #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15    \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16    \nobreak
17  \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24   \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25   {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27   \kern-.4p@
28   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
29   \kern11p@\kern-\footnotesep}
30 \def\left@footnoterule{\kern-.4p@
31   \hrule\@width 5pc\kern11p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35   \insert\footins{%
36     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37     \reset@font%
38     \bidi@footnotetext@font% \normalfont\footnotesize
39     \interlinepenalty\interfootnotelinepenalty
40     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
41     \floatingpenalty\@MM \hsize\columnwidth
42     \@parboxrestore \parindent\normalparindent \sloppy
43     \protected@edef\@currentlabel{%
44       \csname p@footnote\endcsname\@thefnmark}%
45     \makefnintext{%
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   \@makefntext{%
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     \@makefntext{%
76       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
77
78
79 \footdir@temp\footdir@ORG@bidi@amsart@footnotetext\@footnotetext{\bidi@footdir@footnote}%
80 \footdir@temp\footdir@ORG@bidi@amsart@RTLfootnotetext\@RTLfootnotetext{R}%
81 \footdir@temp\footdir@ORG@bidi@amsart@LTRfootnotetext\@LTRfootnotetext{L}%
82
83 \renewenvironment{thebibliography}[1]{%
84   \@bibtitlestyle
85   \normalfont\bibliofont\labelsep .5em\relax
86   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
87   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
88   \bidi@thebibliography@font@hook%
89   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
90     \leftmargin\labelwidth \advance\leftmargin\labelsep
91     \usecounter{enumiv}}%
92   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
93   \sfcode`\.=\@m
94 }{%
95   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
96   \endlist
97 }
98 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi

```



```

99 \columnseprule\z@ \columnsep 35\p@
100 \@indextitlestyle
101 \thispagestyle{plain}%
102 \let\item\@idxitem
103 \parindent\z@ \parskip\z@\@plus.3\p@\relax
104 \if@RTL\raggedleft\else\raggedright\fi
105 \hyphenpenalty\@M
106 \footnotesize}
107 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
108 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
109 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
110 \def\maketitle{\par
111 \@topnum\z@ % this prevents figures from falling at the top of page 1
112 \@setcopyright
113 \thispagestyle{firstpage}% this sets first page specifications
114 \uppercase\nonmath\shorttitle
115 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
116 \else \andify\shortauthors
117 \fi
118 \@maketitle@hook
119 \begingroup
120 \@maketitle
121 \toks@{\xp{\shortauthors}}\@temptokena{\xp{\shorttitle}}%
122 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
123 \edef\@tempa{%
124 \@nx\markboth{\the\toks4
125 \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
126 \@tempa
127 \endgroup
128 \c@footnote\z@
129 \@cleartopmattertags
130 }

```

## 2 File adjmulticol-xetex-bidi.def

```

131 \ProvidesFile{adjmulticol-xetex-bidi.def}[2015/04/25 v0.1 bidi adaptations for adjmulticol package]
132 \def\adjmulticols#1#2#3{\col@number#1\relax
133 \def\@tempa{#2}%
134 \ifx\@tempa\@empty\adjmc@inner\z@\else\adjmc@inner#2\fi
135 \def\@tempa{#3}%
136 \ifx\@tempa\@empty\adjmc@outer\z@\else\adjmc@outer#3\fi
137 \ifnum\col@number<\@ne
138 \PackageWarning{adjmulticol}%
139 {Using '\number\col@number'
140 columns doesn't seem a good idea.^^J
141 I therefore use one columns instead}%
142 \col@number\@ne\fi
143 \ifnum\col@number>10
144 \PackageError{adjmulticol}%
145 {Too many columns}%

```



```

146 {Current implementation doesn't
147 support more than 10 columns.%
148 \MessageBreak
149 I therefore use 10 columns instead}%
150 \col@number10 \fi
151 \ifx\@footnotetext\mult@footnotetext\else
152 \let\orig@footnotetext\@footnotetext
153 \let\@footnotetext\mult@footnotetext
154 \fi
155 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
156 \let\orig@LTRfootnotetext\@LTRfootnotetext
157 \let\@LTRfootnotetext\mult@LTRfootnotetext
158 \fi
159 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
160 \let\orig@RTLfootnotetext\@RTLfootnotetext
161 \let\@RTLfootnotetext\mult@RTLfootnotetext
162 \fi
163 \@ifnextchar[\adjmult@cols{\adjmult@cols[]}]{}
164 \let\adjmc@page@sofar@orig=\page@sofar

```

### 3 File algorithm2e-xetex-bidi.def

```

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

```





```

193 \fi
194 }{}{}
195 }

```

## 4 File amsbook-xetex-bidi.def

```

196 \ProvidesFile{amsbook-xetex-bidi.def}[2017/08/09 v1.2 bidi adaptations for amsbook class for L
197 \def\tocline#1#2#3#4#5#6#7{\relax
198 \ifnum #1>\c@tocdepth % then omit
199 \else
200 \par \addpenalty\@secpenalty\addvspace{#2}%
201 \begingroup \hyphenpenalty\@M
202 \@ifempty{#4}{%
203 \@tempdima\csname r@tocindent\number#1\endcsname\relax
204 }{%
205 \@tempdima#4\relax
206 }%
207 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi
208 \if@RTL\leftskip\else\rightskip\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\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@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\righskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\@xp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\ifRTL\righskip\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}[2018/01/08 v1.1 bidi adaptations for amsmath package for
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@@@{\ifnonlatin\beginR\fi(\kern\z@\ignorespaces#1\unskip\@italiccorr

```



## 6 File amstext-xetex-bidi.def

```
337 \ProvidesFile{amstext-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for amstext package for XeLaTeX]
338 \def\textdef@#1#2#3{\hbox{#{%
339     \everymath{#1}%
340     \let\fontsize#2\selectfont
341     \if@nonlatin\beginR\fi#3\if@nonlatin\endR\fi}}}
```

## 7 File amsthm-xetex-bidi.def

```
342 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for XeLaTeX]
343 \def\@thmcountersep{\@SepMark}
```

## 8 File array-xetex-bidi.def

```
344 \ProvidesFile{array-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for array package for XeLaTeX]
345 \def\@testpach{\@chclass
346 \ifnum \@lastchclass=6 \one \@chnum \one \else
347 \ifnum \@lastchclass=7 5 \else
348 \ifnum \@lastchclass=8 \tw@ \else
349 \ifnum \@lastchclass=9 \thr@@
350 \else \z@
351 \ifnum \@lastchclass = 10 \else
352 \edef\@nextchar{\expandafter\string\@nextchar}%
353 \@chnum
354 \if \@nextchar c\z@ \else
355 \if \@nextchar \if@RTLtab r\else l\fi\one \else
356 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
357 \z@ \@chclass
358 \if \@nextchar |\one \else
359 \if \@nextchar !6 \else
360 \if \@nextchar @7 \else
361 \if \@nextchar <8 \else
362 \if \@nextchar >9 \else
363 10
364 \@chnum
365 \if \@nextchar m\thr@@\else
366 \if \@nextchar p4 \else
367 \if \@nextchar b5 \else
368 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
369 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
370 \def\@tabular{%
371 \leavevmode
372 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginRgroup
373 \let\d@llarend\endRgroup
374 \@tabarray}
375 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
376 \expandafter\let\csname endtabular*\endcsname=\endtabular
377 \def\@array[#1]#2{%
378 \@tempdima \ht \strutbox
```



```

379 \advance \@tempdima by\extrarowheight
380 \setbox \@arstrutbox \hbox{\vrule
381     \@height \arraystretch \@tempdima
382     \@depth \arraystretch \dp \strutbox
383     \@width \z@}%
384 \begingroup
385 \mkpream{#2}%
386 \xdef\@preamble{\noexpand \ialign \@halignto
387     \bgroup \@arstrut \@preamble
388     \tabskip \z@ \cr}%
389 \endgroup
390 \@arrayleft
391 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi \fi
392 \bgroup
393 \let \@sharp ##\let \protect \relax
394 \lineskip \z@
395 \baselineskip \z@
396 \m@th
397 \let\\ \@arraycr \let\tabularnewline\\ \let\par \@empty \if@RTLtab\hbox\bgroup\beginR\@hboxRcor
398 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
399 \def\endarray{\crcr \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
400 \def\array{\col@sep\arraycolsep
401     \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
402 \@RTLtabfalse\@tabarray}

```

## 9 File article-xetex-bidi.def

```

403 \ProvidesFile{article-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for standard article c
404 \if@titlepage
405 \renewcommand\maketitle{\begin{titlepage}%
406 \let\footnotesize\small
407 \let\right@footnoterule\relax
408 \let\left@footnoterule\relax
409 \let\textwidth@footnoterule\relax
410 \let \footnote \thanks
411 \let \LTRfootnote \LTRthanks
412 \let \RTLfootnote \RTLthanks
413 \null\vfil
414 \vskip 60\p@
415 \begin{center}%
416     {\LARGE \@title \par}%
417     \vskip 3em%
418     {\large
419         \lineskip .75em%
420         \begin{tabular}[t]{c}%
421             \@author
422         \end{tabular}\par}%
423     \vskip 1.5em%
424     {\large \@date \par}% % Set date in \large size.
425 \end{center}\par

```



```

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

```



```

476 \global\let\date\relax
477 \global\let\and\relax
478 }
479 \def\@maketitle{%
480 \newpage
481 \null
482 \vskip 2em%
483 \begin{center}%
484 \let \footnote \thanks
485 \let \LTRfootnote \LTRthanks
486 \let \RTLfootnote \RTLthanks
487 {\LARGE \@title \par}%
488 \vskip 1.5em%
489 {\large
490 \lineskip .5em%
491 \begin{tabular}[t]{c}%
492 \@author
493 \end{tabular}\par}%
494 \vskip 1em%
495 {\large \@date}%
496 \end{center}%
497 \par
498 \vskip 1.5em}
499 \fi
500 \renewcommand*\l@part[2]{%
501 \ifnum \c@tocdepth >-2\relax
502 \addpenalty\@secpenalty
503 \addvspace{2.25em \@plus\p@}%
504 \setlength\@tempdima{3em}%
505 \begingroup
506 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
507 \parfillskip -\@pnumwidth
508 {\leavevmode
509 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
510 \nobreak
511 \if@compatibility
512 \global\@nobreaktrue
513 \everypar{\global\@nobreakfalse\everypar{}}%
514 \fi
515 \endgroup
516 \fi}
517 \renewcommand*\l@section[2]{%
518 \ifnum \c@tocdepth >\z@
519 \addpenalty\@secpenalty
520 \addvspace{1.0em \@plus\p@}%
521 \setlength\@tempdima{1.5em}%
522 \begingroup
523 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
524 \parfillskip -\@pnumwidth
525 \leavevmode \bfseries

```



```

526     \advance\if@RTL\rightright\else\leftskip\fi\@tempdima
527     \hskip -\if@RTL\rightright\else\leftskip\fi
528     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
529     \endgroup
530 \fi}
531 \renewcommand\left@footnoterule{%
532     \kern-3\p@
533     \hrule\@width.4\columnwidth
534     \kern2.6\p@}
535 \renewcommand\right@footnoterule{%
536     \kern-3\p@
537     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
538     \kern2.6\p@}
539 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
540 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
541 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
542 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
543 \def\@part[#1]#2{%
544     \ifnum \c@secnumdepth >\m@ne
545         \refstepcounter{part}%
546         \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
547     \else
548         \addcontentsline{toc}{part}{#1}%
549     \fi
550     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
551     \interlinepenalty \@M
552     \normalfont
553     \ifnum \c@secnumdepth >\m@ne
554         \Large\bfseries \partname\nobreakspace\thepart
555         \par\nobreak
556     \fi
557     \huge \bfseries #2%
558     \markboth{}{\par}%
559     \nobreak
560     \vskip 3ex
561     \@afterheading}
562 \renewenvironment{thebibliography}[1]
563     {\section*{\refname}%
564     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
565     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
566     \bidi@thebibliography@font@hook%
567     \list{\@biblabel{\@arabic\c@enumiv}}%
568         {\settowidth\labelwidth{\@biblabel{#1}}%
569         \leftmargin\labelwidth
570         \advance\leftmargin\labelsep
571         \@openbib@code
572         \usecounter{enumiv}%
573         \let\p@enumiv\@empty
574         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
575     \sloppy

```





```

576 \clubpenalty4000
577 \@clubpenalty \clubpenalty
578 \widowpenalty4000%
579 \sfcode`.\@m}
580 {\def\@noitemerr
581   {\@latex@warning{Empty `thebibliography' environment}}}%
582 \endlist}
583 \renewenvironment{theindex}
584   {\if@twocolumn
585     \@restonecolfalse
586   \else
587     \@restonecoltrue
588   \fi
589   \columnseprule \z@
590   \columnsep 35\p@
591   \twocolumn[\section*{\indexname}]%
592   \@mkboth{\MakeUppercase\indexname}%
593           {\MakeUppercase\indexname}%
594   \thispagestyle{plain}\parindent\z@
595   \parskip\z@ \@plus .3\p@\relax
596   \let\item\@idxitem}
597   {\if@restonecol\onecolumn\else\clearpage\fi}

```

## 10 File artikel1-xetex-bidi.def

```

598 \ProvidesFile{artikel1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel1 class for
599 \renewenvironment{theindex}{%
600   \if@twocolumn
601     \@restonecolfalse
602   \else
603     \@restonecoltrue
604   \fi
605   \columnseprule \z@
606   \columnsep 35\p@
607   \twocolumn[\section*{\indexname}]%
608   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
609   \thispagestyle{plain}\parindent\z@
610   \parskip\z@ \@plus .3\p@\relax
611   \let\item\@idxitem
612 }{%
613   \if@restonecol\onecolumn\else\clearpage\fi}
614 \renewcommand*{\head@style}{%
615   \interlinepenalty \@M
616   \hyphenpenalty=\@M \exhyphenpenalty=\@M
617   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
618 \if@titlepage
619   \renewenvironment{abstract}{%
620     \titlepage
621     \null\vfil
622     \section*{\SectFont\abstractname}

```



```

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

```



```

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

```



```

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

```



```

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

```



```

823 \global\let\title\relax
824 \global\let\author\relax
825 \global\let\date\relax
826 \global\let\and\relax
827 }
828 \def\@maketitle{%
829 \newpage
830 \null
831 \vskip 2em%
832 \begin{center}%
833 \let \footnote \thanks
834 {\LARGE \TitleFont \@title \par}%
835 \vskip 1.5em%
836 {\large \TitleFont
837 \lineskip .5em%
838 \begin{tabular}[t]{c}%
839 \@author
840 \end{tabular}\par}%
841 \vskip 1em%
842 {\large \TitleFont \@date}%
843 \end{center}%
844 \par
845 \vskip 1.5em}
846 \fi

```

## 11 File artikel2-xetex-bidi.def

```

847 \ProvidesFile{artikel2-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for artikel2 class for
848 \renewenvironment{theindex}{%
849 \if@twocolumn
850 \@restonecolfalse
851 \else
852 \@restonecoltrue
853 \fi
854 \columnseprule \z@
855 \columnsep 35\p@
856 \twocolumn[\section*{\indexname}]%
857 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
858 \thispagestyle{plain}\parindent\z@
859 \parskip\z@ \@plus .3\p@\relax
860 \let\item\@idxitem
861 }{%
862 \if@restonecol\onecolumn\else\clearpage\fi}
863 \renewcommand*\@regtocline[3]{%
864 \ifnum #1>\c@tocdepth
865 \else
866 \vskip\z@ \@plus .2\p@
867 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
868 \if@RTL\righskip\else\leftskip\fi\unitindent
869 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil

```



```

870 \parfillskip\z@
871 \@tempdima\unitindent
872 \advance\@tempdima by \othermargin
873 \parindent\z@
874 \leavevmode
875 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
876 \hskip 1em \nobreak{\slshape #3}\par
877 }%
878 \fi}
879 \if@oldtoc
880 \renewcommand*\l@section[2]{%
881 \addpenalty\@secpenalty
882 \addvspace{1.0em \@plus\p@}%
883 \setlength\@tempdima{1.5em}%
884 \begingroup
885 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
886 \parfillskip -\@pnumwidth
887 \leavevmode \bfseries
888 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
889 \hskip -\if@RTL\righskip\else\leftskip\fi
890 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
891 \endgroup}
892 \else
893 \renewcommand*\l@section{\@regtocline{1}}
894 \fi
895 \if@oldtoc
896 \renewcommand*\l@part[2]{%
897 \ifnum \c@tocdepth >-2\relax
898 \addpenalty\@secpenalty
899 \addvspace{2.25em \@plus\p@}%
900 \begingroup
901 \setlength\@tempdima{3em}%
902 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
903 \parfillskip -\@pnumwidth
904 {\leavevmode
905 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
906 \nobreak
907 \if@compatibility
908 \global\@nobreaktrue
909 \everypar{\global\@nobreakfalse\everypar{}}%
910 \fi
911 \endgroup
912 \fi}
913 \else
914 \renewcommand*\l@part{%
915 \ifnum \c@tocdepth >-2\relax
916 \addpenalty\@secpenalty
917 \addvspace{2.25em \@plus \p@}%
918 \@regtocline{0}%
919 \fi}

```



```

920 \fi
921 \renewcommand*\head@style{%
922     \interlinepenalty \@M
923     \hyphenpenalty=\@M \exhyphenpenalty=\@M
924     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
925 \if@titlepage
926     \renewenvironment{abstract}{%
927         \titlepage
928         \null\vfil
929         \section*{\SectFont\abstractname}%
930         \noindent\ignorespaces}
931     {\par\vfil\null\endtitlepage}
932 \else
933     \renewenvironment{abstract}{%
934         \if@twocolumn
935             \section*{\abstractname}%
936         \else
937             \section*{\hskip\unitindent\small\SectFont\abstractname}%
938             \list{}{\setlength\listparindent{\unitindent}%
939                 \setlength\parindent {\z@}%
940                 \setlength\leftmargin {\unitindent}%
941                 \setlength\rightmargin {\unitindent}%
942                 \setlength\parsep {\z@}}%
943             \item[]%
944         \fi}
945     {\if@twocolumn\else\par\endlist\fi}
946 \fi
947 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
948 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
949 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
950 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
951 \renewcommand*\left@footnoterule{%
952     \kern-3\p@
953     \hrule\@width 3\unitindent
954     \kern 2.6\p@
955 }
956 \renewcommand*\right@footnoterule{%
957     \kern-3\p@
958     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-3\unitindent\relax \hrulefill }
959     \kern 2.6\p@}
960 \renewenvironment{thebibliography}[1]
961     {\section*{\refname}%
962         \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
963         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
964         \bidi@thebibliography@font@hook%
965         \list{\@biblabel{\@arabic\c@enumiv}}%
966             {\settowidth\labelwidth{\@biblabel{#1}}%
967             \leftmargin\labelwidth
968             \advance\leftmargin\labelsep
969             \@openbib@code

```





```

970         \usecounter{enumiv}%
971         \let\p@enumiv\@empty
972         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
973     \sloppy\clubpenalty4000\widowpenalty4000%
974     \sfcode`\.\@m}
975     {\def\@noitemerr
976      {\@latex@warning{Empty `thebibliography' environment}}}%
977     \endlist}
978 \if@titlepage
979 \renewcommand*\TitleFont{\rmfamily}
980 \renewcommand*\maketitle{%
981 \begin{titlepage}%
982     \let\footnotesize\small
983     \let\right@footnoterule\relax
984     \let\left@footnoterule\relax
985     \let\textwidth\footnoterule\relax
986     \let \footnote \thanks
987     \long\def\@makefnmark{\parindent\z@
988         \def\labelitemi{\textendash}\@revlabeltrue
989         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
990     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
991     \if@compatibility\setcounter{page}{0}\fi
992     \null\vfil
993     \vskip 60\p@
994     \begin{center}%
995         \TitleFont
996         {\LARGE \def\\{\penalty -\@M}
997         \if@allcaps
998             \expandafter\uc@nothanks\@title\thanks\relax
999         \else
1000             \@title
1001             \fi\par}%
1002         \vskip 3em%
1003         {\large
1004             \lineskip .75em \parindent\z@
1005             \begin{tabular}[t]{c}%
1006                 \if@allcaps
1007                     \expandafter\uc@authornothanks\@author\and\relax
1008                 \else
1009                     \@author
1010                 \fi
1011             \end{tabular}\par}%
1012         \vskip 1.5em%
1013         {\large
1014             \if@allcaps
1015                 \uppercase\expandafter{\@date}%
1016             \else
1017                 \@date
1018             \fi\par}%
1019         \end{center}\par

```



```

1020 \@thanks
1021 \vfil\null
1022 \end{titlepage}%
1023 \setcounter{footnote}{0}%
1024 \global\let\thanks\relax
1025 \global\let\maketitle\relax
1026 \global\let\@thanks\@empty
1027 \global\let\@author\@empty
1028 \global\let\@title\@empty
1029 \global\let\@date\@empty
1030 \global\let\title\relax
1031 \global\let\author\relax
1032 \global\let\date\relax
1033 \global\let\and\relax
1034 }
1035 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1036 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1037 \futurelet\@tempa\uc@ax}
1038 \def\uc@ax{%
1039 \ifx\@tempa\relax
1040 \else
1041 \\\andname \\\expandafter\uc@authornothanks
1042 \fi}
1043 \def\uc@tx{\ifx\@tempa\relax
1044 \else \expandafter\uc@ty \fi}
1045 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1046 \else
1047 \renewcommand*\maketitle{\par
1048 \begingroup
1049 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1050 \long\def\@makefntext##1{\parindent\z@
1051 \def\labelitemi{\textendash}%
1052 \leavevmode\hb@xt@.5\unitindent{%
1053 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1054 \if@twocolumn
1055 \ifnum \col@number=\@ne
1056 \@maketitle
1057 \else
1058 \twocolumn[\@maketitle]%
1059 \fi
1060 \else
1061 \newpage
1062 \global\@topnum\z@
1063 \@maketitle
1064 \fi
1065 \thispagestyle{plain}\@thanks
1066 \endgroup
1067 \setcounter{footnote}{0}%
1068 \global\let\thanks\relax
1069 \global\let\maketitle\relax

```



```

1070 \global\let\@maketitle\relax
1071 \global\let\@thanks\@empty
1072 \global\let\@author\@empty
1073 \global\let\@title\@empty
1074 \global\let\@date\@empty
1075 \global\let\title\relax
1076 \global\let\author\relax
1077 \global\let\date\relax
1078 \global\let\and\relax
1079 }
1080 \def\@maketitle{%
1081 \newpage
1082 \null
1083 \vskip 2em%
1084 \begin{center}%
1085 \let \footnote \thanks
1086 {\LARGE \TitleFont \@title \par}%
1087 \vskip 1.5em%
1088 {\large \TitleFont
1089 \lineskip .5em%
1090 \begin{tabular}[t]{c}%
1091 \@author
1092 \end{tabular}\par}%
1093 \vskip 1em%
1094 {\large \TitleFont \@date}%
1095 \end{center}%
1096 \par
1097 \vskip 1.5em}
1098 \fi

```

## 12 File artikel3-xetex-bidi.def

```

1099 \ProvidesFile{artikel3-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for artikel3 class for
1100 \renewenvironment{theindex}{%
1101 \if@twocolumn
1102 \@restonecolfalse
1103 \else
1104 \@restonecoltrue
1105 \fi
1106 \columnseprule \z@
1107 \columnsep 35\p@
1108 \twocolumn[\section*{\indexname}]%
1109 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1110 \thispagestyle{plain}\parindent\z@
1111 \parskip\z@ \@plus .3\p@\relax
1112 \let\item\@idxitem
1113 }{%
1114 \if@restonecol\onecolumn\else\clearpage\fi}
1115 \renewcommand*{\head@style}{%
1116 \interlinepenalty \@M

```



```

1117 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1118 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1119 \renewcommand*\@regtocline[3]{%
1120 \ifnum #1>\c@tocdepth
1121 \else
1122 \vskip\z@\@plus.2\p@
1123 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1124 \if@RTL\rightskip\else\leftskip\fi\unitindent
1125 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1126 \parfillskip\z@
1127 \@tempdima\unitindent
1128 \parindent\z@
1129 \leavevmode
1130 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1131 \hskip 1em \nobreak{\slshape #3}\par
1132 }%
1133 \fi}
1134 \if@oldtoc
1135 \renewcommand*\l@part[2]{%
1136 \ifnum \c@tocdepth >-2\relax
1137 \addpenalty\@secpenalty
1138 \addvspace{2.25em \@plus\p@}%
1139 \begingroup
1140 \setlength\@tempdima{3em}%
1141 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1142 \parfillskip -\@pnumwidth
1143 {\leavevmode
1144 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1145 \nobreak
1146 \if@compatibility
1147 \global\@nobreaktrue
1148 \everypar{\global\@nobreakfalse\everypar{}}}%
1149 \fi
1150 \endgroup
1151 \fi}
1152 \else
1153 \renewcommand*\l@part{%
1154 \ifnum \c@tocdepth >-2\relax
1155 \addpenalty\@secpenalty
1156 \addvspace{2.25em \@plus \p@}%
1157 \@regtocline{0}%
1158 \fi}
1159 \fi
1160
1161 \if@oldtoc
1162 \renewcommand*\l@section[2]{%
1163 \addpenalty\@secpenalty
1164 \addvspace{1.0em \@plus\p@}%
1165 \setlength\@tempdima{1.5em}%
1166 \begingroup

```



```

1167 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1168 \parfillskip -\@pnumwidth
1169 \leavevmode \bfseries
1170 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1171 \hskip -\if@RTL\rightskip\else\leftskip\fi
1172 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1173 \endgroup}
1174 \else
1175 \renewcommand*\l@section{\@regtocline{1}}
1176 \fi
1177 \if@titlepage
1178 \renewenvironment{abstract}{%
1179 \titlepage
1180 \null\vfil
1181 \section*{\SectFont\abstractname}%
1182 \noindent\ignorespaces}
1183 {\par\vfil\null\endtitlepage}
1184 \else
1185 \renewenvironment{abstract}{%
1186 \if@twocolumn
1187 \section*{\abstractname}%
1188 \else
1189 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1190 \section*{\small\SectFont\abstractname}%
1191 \noindent\ignorespaces
1192 \fi}
1193 {\if@twocolumn\else\par\egroup\fi}
1194 \fi
1195 \renewcommand*\left@footnoterule{%
1196 \kern-3\p@
1197 \kern.5\baselineskip
1198 \hrule\@width\unitindent
1199 \kern.4\baselineskip
1200 }
1201 \renewcommand*\right@footnoterule{%
1202 \kern-3\p@
1203 \kern.5\baselineskip
1204 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
1205 \kern.4\baselineskip}
1206 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
1207 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1208 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1209 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1210 \renewenvironment{thebibliography}[1]
1211 {\section*{\refname}%
1212 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1213 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1214 \bidi@@thebibliography@font@hook%
1215 \list{\@biblabel{\@arabic\c@enumiv}}%
1216 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

1217         \leftmargin\labelwidth
1218         \advance\leftmargin\labelsep
1219         \@openbib@code
1220         \usecounter{enumiv}%
1221         \let\p@enumiv\@empty
1222         \renewcommand*{\theenumiv}{\@arabic\c@enumiv}}}%
1223     \sloppy\clubpenalty4000\widowpenalty4000%
1224     \sfcode`.\@m}
1225     {\def\@noitemerr
1226       {\@latex@warning{Empty `thebibliography' environment}}}%
1227     \endlist}
1228 \if@titlepage
1229 \renewcommand*{\TitleFont}{\rmfamily}
1230 \renewcommand*{\maketitle}{%
1231   \begin{titlepage}%
1232     \let\footnotesize\small
1233     \let\right@footnoterule\relax
1234     \let\left@footnoterule\relax
1235     \let\textwidth\footnoterule\relax
1236     \let \footnote \thanks
1237     \long\def\@makefnmark##1{\parindent\z@
1238       \def\labelitemi{\textendash}\@revlabeltrue
1239       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1240     \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
1241     \if@compatibility\setcounter{page}{0}\fi
1242     \null\vfil
1243     \vskip 60\p@
1244     \begin{center}%
1245       \TitleFont
1246       {\LARGE \def\\{\penalty -\@M}
1247         \if@allcaps
1248           \expandafter\uc@nothanks\@title\thanks\relax
1249         \else
1250           \@title
1251         \fi\par}%
1252     \vskip 3em%
1253     {\large
1254       \lineskip .75em \parindent\z@
1255       \begin{tabular}[t]{c}%
1256         \if@allcaps
1257           \expandafter\uc@authornothanks\@author\and\relax
1258         \else
1259           \@author
1260         \fi
1261       \end{tabular}\par}%
1262     \vskip 1.5em%
1263     {\large
1264       \if@allcaps
1265         \uppercase\expandafter{\@date}%
1266       \else

```



```

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

```



```

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

```

### 13 File arydshln-xetex-bidi.def

```

1359 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package]
1360 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1361 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
1362 \expandafter\let\csname endtabular*\endcsname\endtabular
1363 \let\adl@array\@array

```





```

1364 \def\@array{\adl@everyvbox\everyvbox
1365         \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1366         \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1367         \let\adl@noalign\noalign
1368         \adl@array}
1369 \ifadl@usingarypkg
1370 \def\@testpach{\@chclass
1371 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1372 \ifnum \@lastchclass=7 5 \else
1373 \ifnum \@lastchclass=8 \tw@ \else
1374 \ifnum \@lastchclass=9 \thr@@
1375 \else \z@
1376 \ifnum \@lastchclass = 10 \else
1377 \edef\@nextchar{\expandafter\string\@nextchar}%
1378 \@chnum
1379 \if \@nextchar c\z@ \else
1380 \if \@nextchar \ifRTLT@ r\else l\fi\@ne \else
1381 \if \@nextchar \ifRTLT@ l\else r\fi\tw@ \else
1382 \z@ \@chclass
1383 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1384 \if \@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1385 \if \@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1386 \if \@nextchar !6 \else
1387 \if \@nextchar @7 \else
1388 \if \@nextchar <8 \else
1389 \if \@nextchar >9 \else
1390 10
1391 \@chnum
1392 \if \@nextchar m\thr@@\else
1393 \if \@nextchar p4 \else
1394 \if \@nextchar b5 \else
1395 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1396 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1397
1398 \def\@classz{\@classx
1399 \@tempcnta \count@
1400 \prepnext@tok
1401 \@addtopreamble{\ifcase \@chnum
1402 \hfil
1403 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1404 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1405 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1406 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1407 \adl@endmbox\or
1408 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1409 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1410 \fi}\prepnext@tok}
1411 \def\adl@classstart{4}
1412 \def\adl@class@iiiorvii{7}
1413

```



```

1414 \else
1415 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1416 \ifnum \@lastchclass=\thr@@ 5\relax \else
1417 \z@ \if #1c\@chnum \z@ \else
1418 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1419 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1420 \@chclass
1421 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
1422 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
1423 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
1424 \if #1@tw@ \else
1425 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1426 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1427
1428 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1429 \or \or \@addamp \or
1430 \@acolampacol \or \@firststampfalse \@acol \fi
1431 \edef\@preamble{\@preamble
1432 \ifcase \@chnum
1433 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
1434 \or \adl@putlrc{\$relax\@sharp$}\hfil
1435 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
1436 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1437 \or \or \@addamp \or
1438 \@acolampacol \or \@firststampfalse \@acol \fi
1439 \edef\@preamble{\@preamble
1440 \ifcase \@chnum
1441 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1442 \or \adl@putlrc{\@sharp\unskip}\hfil
1443 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1444 \def\adl@class@start{6}
1445 \def\adl@class@iiiorvii{3}
1446 \fi
1447 \ifpackageloaded{colortbl}{%
1448 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1449 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1450 \let\@endpbox\adl@org@endpbox}
1451 \let\adl@CT@setup\CT@setup
1452 \def\CT@setup{\adl@CT@setup
1453 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1454 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1455 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1456 \let\adl@act@CT@setup\CT@setup
1457 \def\@classz{\@classx
1458 \@tempcnta\count@ \prepnext@tok
1459 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1460 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1461 \expandafter\adl@extract@drsc
1462 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1463 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil

```



```

1464 \addtopreamble{\if@RTL\beginL\fi%
1465 \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1466 \ifcase \@chnum
1467 \hskip\stretch{.5}\kern\z@
1468 \d@llarbegin
1469 \insert@column
1470 \d@llarend\hskip\stretch{.5}%
1471 \or \d@llarbegin \insert@column \d@llarend \hfill
1472 \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1473 \or $\vcenter
1474 \startpbox{\@nextchar}\insert@column \endpbox $%
1475 \or \vtop \startpbox{\@nextchar}\insert@column \endpbox
1476 \or \vbox \startpbox{\@nextchar}\insert@column \endpbox
1477 \fi
1478 \if@RTL\endR\fi\egroup\egroup
1479 \begingroup
1480 \CT@setup
1481 \CT@column@color
1482 \CT@row@color
1483 \CT@cell@color
1484 \CT@do@color
1485 \endgroup
1486 \@tempdima\ht\z@
1487 \advance\@tempdima\minrowclearance
1488 \vrule\@height\@tempdima\@width\z@
1489 \unhbox\z@\if@RTL\endL\fi}%
1490 \prepnext@tok}
1491 \let\adl@act@classz\@classz
1492 \let\adl@org@classz\@classz
1493 }{}

```

## 14 File bidi.sty

```

1494 \NeedsTeXFormat{LaTeX2e}
1495 \def\bididate{2020/05/13}
1496 \def\bidiversion{36}
1497 \ProvidesPackage{bidi}[\bididate\space v\bidiversion\space
1498 Bidirectional typesetting in plain TeX and LaTeX]
1499 \edef\@bidi@info{*****^J%
1500 * ^J%
1501 * bidi package (Bidirectional typesetting in^J%
1502 * plain TeX and LaTeX, using XeTeX engine)^J%
1503 * ^J%
1504 * Description: A convenient interface for^J%
1505 * typesetting bidirectional texts in plain TeX^J%
1506 * and LaTeX. The package includes adaptations^J%
1507 * for use with many other commonly-used packages.^J%
1508 * ^J%
1509 * Copyright (c) 2009--2020 Vafa Khalighi^J%
1510 * ^J%

```



```

1511 * v\bidi@version, \bididate^^J%
1512 * ^^J%
1513 * License: LaTeX Project Public License, version^^J%
1514 * 1.3c or higher (your choice)^^J%
1515 * ^^J%
1516 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1517 * ^^J%
1518 * Issue tracker: https://github.com/persiantex/bidi/issues^^J%
1519 * ^^J%
1520 *****}
1521 \typeout{\@bidi@info}
1522 \edef\bidi@everyjob{\the\everyjob}
1523 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1524 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
1525 \newcommand*{\IfbidiPackageVersionLater}[1]{%
1526   \ifdim\bidi@version pt > #1 pt %
1527     \expandafter\@firstoftwo
1528   \else
1529     \expandafter\@secondoftwo
1530   \fi}
1531 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
1532   \ifdim\bidi@version pt < #1 pt %
1533     \expandafter\@firstoftwo
1534   \else
1535     \expandafter\@secondoftwo
1536   \fi}
1537 \newcommand*{\IfbidiPackageVersion}[1]{%
1538   \ifdim\bidi@version pt = #1 pt %
1539     \expandafter\@firstoftwo
1540   \else
1541     \expandafter\@secondoftwo
1542   \fi}
1543 \RequirePackage{iftex}
1544 \RequireXeTeX
1545 \RequirePackage{biditools}
1546 \RequirePackage{zref-abspage}
1547 \RequirePackage{auxhook}
1548 \RequirePackage{ltxcmds}
1549 \RequirePackage{xkeyval}
1550 \eqnewif{\if@RTLmain}{\if@rlmain}
1551 \eqnewif{\if@RTL}{\if@rl}
1552 \newif\if@nonlatin
1553 \newif\if@bidi@perpage@footnote
1554 \newcommand*{\setlatin}{\@nonlatinfalse}
1555 \newcommand*{\setnonlatin}{\@nonlatintrue}
1556 \eqnewif{\if@RTLtab}{\if@tab@rl}
1557 \newif\if@hboxRconstruct
1558 \newif\if@bidi@pdfencrypt
1559 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1560 \newcommand*{\setLTRtable}{\@RTLtabfalse}

```



```

1561 \newif\if@bidi@pdfm@mark
1562 \newif\if@RTLmarginpar
1563 \newif\if@LTRmarginpar
1564 \newif\if@LTRbibitems
1565 \newif\if@RTLbibitems
1566 \newif\if@extrafootnotefeatures
1567 \newif\if@RTLcolumnfootnotes
1568 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1569 \newif\if@bidi@list@minipage@parbox
1570 \newif\if@bidi@list@minipage@parbox@not@nob
1571 \newcommand*{\@bidi@pdfcreator}{%
1572   The bidi package, v\@bidi@version, \@bidi@date
1573 }
1574 \newcommand*{\@bidi@pdfproducer}{%
1575   The bidi package, v\@bidi@version, \@bidi@date
1576 }
1577 \newcommand*{\@bidi@pdfcustomproperties}{%
1578   This is the bidi package, Version \@bidi@version,
1579   Released May 13, 2020.
1580 }
1581 \@RTLmainfalse
1582 \AtBeginDocument{%
1583   \if@RTLmain\else
1584     \if@RTL\@RTLmaintrue%
1585     \else\@RTLmainfalse%
1586     \fi%
1587   \fi%
1588 }
1589 \let\n@xt=
1590 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1591 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1592 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1593 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1594 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1595   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1596 \newinsert\@bidi@copyins@
1597 \skip\@bidi@copyins@=12\p@
1598 \dimen\@bidi@copyins@=40pc
1599 \count\@bidi@copyins@=1000
1600 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1601 \newcommand*{\@bidi@logo@hb@xt@columnwidth}{%
1602   \if@RTLmain
1603     \if@twocolumn
1604       \hboxR to \columnwidth
1605     \else
1606       \hboxR to \textwidth
1607     \fi
1608   \else
1609     \if@twocolumn
1610       \hboxL to \columnwidth

```



```

1611     \else
1612         \hboxL to \textwidth
1613     \fi
1614 \fi
1615 }
1616 \newcommand*{\@bidi@logo}[1]{%
1617     \toks@{%
1618         \setbox\z@\hbox{%
1619             \special{%
1620                 pdf:image width 50pt height 50pt (#1)%
1621             }
1622         }%
1623         \dp\z@\z@
1624         \ht\z@=50pt
1625         \wd\z@=50pt
1626         \beginL
1627             \lower20pt\box\z@
1628         \endL
1629     }%
1630     \the\toks@
1631 }
1632 \newcommand*{\@bidi@logo@}{%
1633     \@bidi@logo@hb@xt@columnwidth
1634     {\hss\LRE{\bfseries Typeset by the \textsf{bidi}
1635         package\quad\@bidi@logo{bidi-logo.pdf}}}}
1636 \define@key{bidi@pdfencrypt}{userpassword}[]{%
1637     \def\bidi@pdfencrypt@userpassword{#1}%
1638 }
1639 \define@key{bidi@pdfencrypt}{ownerpassword}[]{%
1640     \def\bidi@pdfencrypt@ownerpassword{#1}%
1641 }
1642 \define@key{bidi@pdfencrypt}{keylength}[128]{%
1643     \def\bidi@pdfencrypt@keylength{#1}%
1644 }
1645 \define@key{bidi@pdfencrypt}{permissionflags}[2052]{%
1646     \def\bidi@pdfencrypt@permissionflags{#1}%
1647 }
1648 \newcommand*{\pdfencryptsetup}{\setkeys{bidi@pdfencrypt}}
1649 \onlypreamble\pdfencryptsetup
1650 \input{latex-xetex-bidi.def}
1651 \input{loadingorder-xetex-bidi.def}
1652 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1653     \ifcase\bidi@tempb\relax
1654         \@RTLtrue
1655     \or
1656         \@RTLfalse
1657     \fi}
1658 \define@choicekey{bidi.sty}{documentdirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright}
1659     \ifcase\bidi@tempb\relax
1660         \@RTLtrue

```



```

1661 \or
1662 \RTLfalse
1663 \fi}
1664 \define@choicekey{bidi.sty}{tabledirection}[\bidi@tempa\bidi@tempb]{righttoleft, lefttoright}{%
1665 \ifcase\bidi@tempb\relax
1666 \RTLtabtrue
1667 \or
1668 \RTLtabfalse
1669 \fi}
1670 \define@choicekey{bidi.sty}{script}[\bidi@tempa\bidi@tempb]{latin, nonlatin}[latin]{%
1671 \ifcase\bidi@tempb\relax
1672 \@nonlatinfalse
1673 \or
1674 \@nonlatintrue
1675 \fi}
1676 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on, off}[on]{%
1677 \ifcase\bidi@tempb\relax
1678 \RTLtrue
1679 \or
1680 \RTLfalse
1681 \fi}
1682 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic, left, right, split, %
1683 \ifcase\bidi@tempb\relax
1684 \autofootnoterule
1685 \or
1686 \leftfootnoterule
1687 \or
1688 \rightfootnoterule
1689 \or
1690 \SplitFootnoteRule
1691 \or
1692 \textwidthfootnoterule
1693 \fi}
1694 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft, lefttoright}{%
1695 \ifcase\bidi@tempb\relax
1696 \RTL@footnotetrue
1697 \or
1698 \RTL@footnotefalse
1699 \fi}
1700 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on, off}[on]{%
1701 \ifcase\bidi@tempb\relax
1702 \footdir@debugtrue
1703 \or
1704 \footdir@debugfalse
1705 \fi}
1706 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on, off}[on]{%
1707 \ifcase\bidi@tempb\relax
1708 \@extrafootnotefeaturestrue
1709 \or
1710 \@extrafootnotefeaturesfalse

```



```

1711 \fi}
1712
1713 \define@choicekey{bidi.sty}{DetectColumn}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1714 \ifcase\bidi@tempb\relax
1715 \def\bidi@firstcolumn@status@write{%
1716     \protected@write\@auxout{%
1717         {\string\bidi@column@status
1718         {1}}}%
1719 \def\bidi@lastcolumn@status@write{%
1720     \protected@write\@auxout{%
1721         {\string\bidi@column@status{2}}}%
1722 \or
1723 \let\bidi@firstcolumn@status@write\relax
1724 \let\bidi@lastcolumn@status@write\relax
1725 \fi}
1726
1727 \define@choicekey{bidi.sty}{logo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1728 \ifcase\bidi@tempb\relax
1729 \AtBeginDocument{\@bidi@inslogo}%
1730 \or
1731 \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
1732 \fi}
1733
1734 \define@choicekey{bidi.sty}{pdfinfo}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1735 \ifcase\bidi@tempb\relax
1736 \@bidi@pdfm@marktrue
1737 \or
1738 \@bidi@pdfm@markfalse
1739 \fi}
1740
1741 % The `perpagefootnote' option is documented in UK TeX FAQ at
1742 % <https://texfaq.org/FAQ-footnpp> (see last paragraph)
1743
1744 \define@choicekey{bidi.sty}{perpagefootnote}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1745 \ifcase\bidi@tempb\relax
1746 \@bidi@perpage@footnotetrue
1747 \or
1748 \@bidi@perpage@footnotefalse
1749 \fi}
1750
1751 \ExecuteOptionsX{%
1752     DetectColumn=off%
1753 }
1754
1755 \ProcessOptionsX
1756
1757 \pdfencryptsetup{%
1758     userpassword,%
1759     ownerpassword,%
1760     keylength,%

```





```

1761 permissionflags%
1762 }
1763
1764 \if@extrafootnotefeatures
1765 \input{extrafootnotefeatures-xetex-bidi.def}
1766 \fi
1767 \newcount\bididigits
1768 \XeTeXinterchartokenstate=\@ne
1769 \newXeTeXintercharclass\bididigits@charclass
1770 \newXeTeXintercharclass\bidisepmark@charclass
1771 \XeTeXcharclass`\.\bidisepmark@charclass
1772 \XeTeXcharclass`\-\bidisepmark@charclass
1773 \bididigits=\0 \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1774 \bididigits=\ \loop \XeTeXcharclass \bididigits \bididigits@charclass \ifnum\bididigits<
1775 \XeTeXinterchartoks \bidisepmark@charclass \bididigits@charclass = {\DigitsDotDashInterChar
1776 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
1777 \bididigit@AtEndPreamble{%
1778 \if@bididigit@perpage@footnote
1779 \RequirePackage{bidi-perpage}%
1780 \ResetCounterPerPage{footnote}%
1781 \fi
1782 \ifx\bididigit@pdfencrypt@ownerpassword\bididigit@empty
1783 \ifx\bididigit@pdfencrypt@userpassword\bididigit@empty
1784 \@bididigit@pdfencryptfalse
1785 \else
1786 \@bididigit@pdfencrypttrue
1787 \fi
1788 \else
1789 \@bididigit@pdfencrypttrue
1790 \fi
1791 \if@bididigit@pdfencrypt
1792 \special{pdf:encrypt
1793 userpw (\bididigit@pdfencrypt@userpassword)
1794 ownerpw (\bididigit@pdfencrypt@ownerpassword)
1795 length \bididigit@pdfencrypt@keylength
1796 perm \bididigit@pdfencrypt@permissionflags
1797 }%
1798 \fi
1799 }
1800 \AtEndDocument{%
1801 \special{pdf:
1802 docinfo<<%
1803 \if@bididigit@pdfmark
1804 /Creator(\@bididigit@pdfcreator)%
1805 /Producer(\@bididigit@pdfproducer)%
1806 \fi
1807 /BIDI.Fullbanner(\@bididigit@pdfcustomproperties)%
1808 \if@bididigit@csdef{xepersian@pdfcustomproperties}{%
1809 /XEPERSIAN.Fullbanner(\@xepersian@pdfcustomproperties)%
1810 }{}%

```



```

1811      >>%
1812    }%
1813 }

```

## 15 File `biditex`

```

1814 \def\bididate{2020/05/13}
1815 \catcode`\@=11
1816 \def\bidiversion{36}
1817 \let \protect \relax
1818 \newlinechar`\^^J
1819 \edef\@bidi@info{*****^^J%
1820 * ^^J%
1821 * bidi package (Bidirectional typesetting in^^J%
1822 * plain TeX and LaTeX, using XeTeX engine)^^J%
1823 * ^^J%
1824 * Description: A convenient interface for^^J%
1825 * typesetting bidirectional texts in plain TeX^^J%
1826 * and LaTeX. The package includes adaptations^^J%
1827 * for use with many other commonly-used packages.^^J%
1828 * ^^J%
1829 * Copyright (c) 2009--2020 Vafa Khalighi^^J%
1830 * ^^J%
1831 * v\bidiversion, \bididate^^J%
1832 * ^^J%
1833 * License: LaTeX Project Public License, version^^J%
1834 * 1.3c or higher (your choice)^^J%
1835 * ^^J%
1836 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1837 * ^^J%
1838 * Issue tracker: https://github.com/persiantex/bidi/issues^^J%
1839 * ^^J%
1840 *****}
1841 \message{\@bidi@info}
1842 \edef\bidi@everyjob{\the\everyjob}
1843 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1844 \def\bidiversion{%
1845   \relax
1846   \ifmmode
1847     \bidiversion
1848   \else
1849     $\bidiversion$
1850   \fi
1851 }
1852 \input iftex.sty
1853 \RequireXeTeX
1854 \newif\if@bidi@pdfm@mark
1855 \newif\if@RTLmain
1856 \newif\if@RTL
1857 \newif\if@hboxRconstruct

```



```

1858 \newif\if@sentsdir
1859 \newif\if@RTL@footnote
1860 \RTLmainfalse
1861 \def\setRTLmain{%
1862   \if@RTLmain\else
1863     \if@RTL\@RTLmaintrue%
1864     \else\@RTLmainfalse%
1865     \fi%
1866   \fi%
1867 }
1868 \let\n@xt=\
1869 \protected\def\LRE{\protect\pLRE}%
1870 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1871 \protected\def\RLE{\protect\pRLE}
1872 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1873 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1874   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1875 \newinsert\@bidi@copyins@
1876 \skip\@bidi@copyins@=12\p@
1877 \dimen\@bidi@copyins@=40pc
1878 \count\@bidi@copyins@=1000
1879 \def\@bidi@inslogo@{\insert\@bidi@copyins@\@bidi@logo@}
1880 \def\@bidi@logo@hb@xt@{%
1881   \if@RTLmain
1882     \hboxR to
1883   \else
1884     \hboxL to
1885   \fi
1886 }
1887 \def\@bidi@logo#1{%
1888   \toks@{%
1889     \setbox\z@\hbox{%
1890       \special{%
1891         pdf:image width 50pt height 50pt (#1)%
1892       }
1893     }%
1894     \dp\z@\z@
1895     \ht\z@=50pt
1896     \wd\z@=50pt
1897     \beginL
1898       \lower20pt\box\z@
1899     \endL
1900   }%
1901   \the\toks@
1902 }
1903 \def\@bidi@logo@{\@bidi@logo@hb@xt@\hsize{\hss\LRE{\bf Typeset by the bidi package\quad\@bidi@logo@}}
1904 \def\nobidilogo{\let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty}
1905 \def\@bidi@pdfcreator{%
1906   The bidi package, v\@bidi@version, \@bidi@date
1907 }

```



```

1908 \def\@bidi@pdfproducer{%
1909   The bidi package, v\@bidi@version, \@bidi@date
1910 }
1911 \def\@bidi@pdfcustomproperties{%
1912   This is the bidi package, Version \@bidi@version,
1913   Released May 13, 2020.
1914 }
1915 \def\@bidi@pdfmark{%
1916   \special{pdf:
1917     docinfo<<%
1918       \if\@bidi@pdfmark
1919         /Creator(\@bidi@pdfcreator)%
1920         /Producer(\@bidi@pdfproducer)%
1921       \fi
1922       /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1923     >>%
1924   }%
1925 }
1926 \def\@bidi@pdfinfoon{\@bidi@pdfmarktrue}
1927 \def\@bidi@pdfinfooff{\@bidi@pdfmarkfalse}
1928 \input plain-xetex-bidi.def
1929 \@bidi@inslogo@
1930 \outer\def\bye{\par\vfill\supereject\@bidi@pdfmark\end}
1931 \catcode\@=12
1932 \bidi@pdfinfoon

```

## 16 File bidi2in1.sty

```

1933 \NeedsTeXFormat{LaTeX2e}
1934 \ProvidesPackage{bidi2in1}
1935 \pagestyle{plain}
1936 \newcount\evenpage
1937 \newcount\oddpag
1938 \twocolumn
1939 \def\@oddfoot{\evenpage=\thepage%
1940 \multiply\evenpage by 2%
1941 \oddpag=\thepage%
1942 \advance\oddpag by -1%
1943 \hfil\thepage\hfil\thepage\oddpag\hfil}%
1944 \def\@evenfoot{\evenpage=\thepage%
1945 \multiply\evenpage by 2%
1946 \oddpag=\thepage%
1947 \advance\oddpag by -1%
1948 \hfil\thepage\hfil\thepage\evenpage\hfil}%
1949 \textwidth 9.49in
1950 \textheight 6.7in
1951 \columnsep 0.9in
1952 \columnseprule 0.125pt
1953 \headheight 0cm
1954 \topmargin 0in

```



```

1955 \marginparwidth 0in
1956 \marginparsep 0in
1957 \hoffset 0.05in % Corrected
1958 \voffset -0.5in %top margin space is 1.0in by default
1959 \oddsidemargin 0in
1960 \evensidemargin 0in
1961 \headsep 0cm
1962 \topskip 0cm
1963 \parskip 0.15in      %
1964 \headsep 0pt
1965 \special{papersize=11.69in,8.26in}
1966 \renewcommand\maketitle{\par
1967 \begingroup
1968 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1969 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1970 \long\def\@makefntext##1{\parindent 1em\noindent
1971 \hb@xt@1.8em{%
1972 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1973 \@maketitle
1974 \@thanks
1975 \endgroup
1976 \setcounter{footnote}{0}%
1977 \global\let\thanks\relax
1978 \global\let\maketitle\relax
1979 \global\let\@maketitle\relax
1980 \global\let\@thanks\@empty
1981 \global\let\@author\@empty
1982 \global\let\@date\@empty
1983 \global\let\@title\@empty
1984 \global\let\title\relax
1985 \global\let\author\relax
1986 \global\let\date\relax
1987 \global\let\and\relax
1988 }

```

## 17 File bidicode.sty

```

1989 \NeedsTeXFormat{LaTeX2e}
1990 \ProvidesPackage{bidicode}
1991 \RequirePackage{xcolor}
1992 \RequirePackage{showexpl}
1993 \definecolor{hellgelb}{rgb}{1,1,0.85}
1994 \definecolor{colKeys}{rgb}{0,0,1}
1995 \definecolor{colIdentifier}{rgb}{0,0,0}
1996 \definecolor{colComments}{rgb}{1,0,0}
1997 \definecolor{colString}{rgb}{0,0.5,0}
1998 \lstset{
1999     language=[LaTeX]TEX,
2000     float=hb,
2001     basicstyle=\ttfamily\small,

```



```

2002   identifierstyle=\color{colIdentifier},
2003   keywordstyle=\color{colKeys},
2004   stringstyle=\color{colString},
2005   commentstyle=\color{colComments},
2006   backgroundcolor=\color{hellgelb},
2007   columns=flexible,
2008   tabsize=4,
2009   extendedchars=true,
2010   showspace=false,
2011   showstringspaces=false,
2012   numbers=left,
2013   numbersep=0.9em,
2014   numberstyle=\tiny, %
2015   frame=single,
2016   captionpos=b,
2017   xleftmargin=1em,
2018   breaklines=true,
2019   breakautoindent=false,
2020   breakindent=0pt,
2021   escapeinside=**,
2022   pos=r,
2023   explpreset={%
2024   xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
2025   morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
2026 }
2027 \newcommand\HLON{%
2028   \gdef\lst@alloverstyle##1{%
2029     \fboxrule=0pt
2030     \fboxsep=0pt
2031     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
2032 }}
2033 \newcommand\HLOFF{%
2034   \xdef\lst@alloverstyle##1{##1}%
2035 }
2036 \newcommand\Larg [1]{\{\normalfont\itshape#1\}}
2037 \newcommand\Larga[1]{\{$\langle$\Larg{#1}$\rangle$}
2038 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
2039 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
2040 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
2041 \newcommand\LBEG[1]{\{\normalfont\ttfamily\bs{}\begin\lcb#1\rcb}}
2042 \newcommand\LEND[1]{\{\normalfont\ttfamily\bs{}\end\lcb#1\rcb}}
2043
2044 \DeclareRobustCommand\bs{\normalfont\ttfamily\symbol{92}}
2045 \DeclareRobustCommand\lcb{\normalfont\ttfamily\char`{}}
2046 \DeclareRobustCommand\rcb{\normalfont\ttfamily\char`\}}
2047 \DeclareRobustCommand\lsb{\normalfont\ttfamily[}
2048 \DeclareRobustCommand\rsb{\normalfont\ttfamily]}
2049 \DeclareRobustCommand\lrb{\normalfont\ttfamily(}
2050 \DeclareRobustCommand\rrb{\normalfont\ttfamily)}
2051

```



```

2052 \def\Lcs#1{\nxLcs{#1}}
2053 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
2054 \def\nxLcs#1{\texttt{\symbol{92}#1}}
2055
2056 \def\Coordx#1{$x_{#1}$}
2057 \def\Coordy#1{$y_{#1}$}
2058 \def\Coordz#1{$z_{#1}$}
2059 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2060 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2061 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2062 \def\CAny{\Coordx{ },\kern 1pt\Coordy{ }}
2063 \def\CIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
2064 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
2065 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
2066 \def\coordi#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
2067 \def\coordx#1{($x_{#1}$)}
2068 \def\coordy#1{($y_{#1}$)}
2069 \def\coordz#1{($z_{#1}$)}
2070 \def\cAny{(\Coordx{ },\kern 1pt\Coordy{ })}
2071 \def\ciiAny{(\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ })}
2072
2073 \newsavebox{\boxdef}
2074 \newenvironment{BDef}
2075   {\begin{lrbox}\boxdef
2076     \def\arraystretch{1.0}
2077     \begin{tabular}{@{}l@{}l@{}l@{}}
2078   }
2079   {\end{tabular}\end{lrbox}}
2080
2081   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
2082   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2083 }
2084
2085 \newenvironment{BDef*}
2086   {\begin{lrbox}\boxdef
2087     \def\arraystretch{1.0}
2088     \begin{tabular}{@{}l@{}l@{}l@{}}
2089   }
2090   {\end{tabular}\end{lrbox}}
2091   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
2092   \aftergroup\@afterindentfalse\aftergroup\@afterheading
2093 }
2094 \newenvironment{BCmd}{
2095   \@beginparpenalty-\@lowpenalty
2096   \topsep\BDefaboveskip
2097   \fbboxsep3pt
2098   \flushleft}
2099   {\@endparpenalty\@M
2100   \@topsepadd\BDefbelowskip
2101   \endflushleft}

```



```

2102
2103 \newenvironment{BCmd*}{
2104   \@beginparpenalty\@M
2105   \topsep\BDefinelineskip
2106   \fbboxsep3pt
2107   \flushleft}
2108 {\@endparpenalty5000
2109   \endflushleft}
2110
2111 \newskip\BDefaboveskip
2112 \newskip\BDefbelowskip
2113 \newskip\BDefinelineskip
2114 \setlength\BDefaboveskip{10pt plus 4pt}
2115 \setlength\BDefbelowskip{6pt}
2116 \setlength\BDefinelineskip{6pt}
2117
2118 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}}\kern1pt}
2119 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
2120 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}}\kern1pt}
2121 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}}\kern1pt}

```

## 18 File bidiftnxtra.sty

```

2122 \NeedsTeXFormat{LaTeX2e}
2123 \ProvidesPackage{bidiftnxtra}
2124 \newtoks\bidip@ftn
2125 \let\FN@sffootnote\footnote
2126 \let\FN@sffootnote@L\LTRfootnote
2127 \let\FN@sffootnote@R\RTLfootnote
2128 \def\footnote{\ifx\protect\@typeset@protect
2129   \expandafter\FN@sffootnote
2130   \else
2131     \expandafter\FN@sffootnote@opt
2132   \fi
2133 }
2134 \def\LTRfootnote{\ifx\protect\@typeset@protect
2135   \expandafter\FN@sffootnote@L
2136   \else
2137     \expandafter\FN@sffootnote@opt
2138   \fi
2139 }
2140 \def\RTLfootnote{\ifx\protect\@typeset@protect
2141   \expandafter\FN@sffootnote@R
2142   \else
2143     \expandafter\FN@sffootnote@opt
2144   \fi
2145 }
2146 \edef\FN@sffootnote@opt{\noexpand\protect
2147   \expandafter\noexpand\csname FN@sffootnote@opt \endcsname}
2148 \expandafter\def\csname FN@sffootnote@opt \endcsname{%

```





```

2149 \@ifnextchar[%]
2150 \FN@sfgobble@twobrace
2151 \gobble
2152 }
2153 \def\FN@sfgobble@twobrace[#1]#2{
2154 \let\FN@sfgobble@footnotemark\footnotemark
2155 \def\footnotemark{\ifx\protect\@typeset@protect
2156 \expandafter\FN@sfgobble@footnotemark
2157 \else
2158 \expandafter\FN@sfgobble@optonly
2159 \fi
2160 }
2161 \edef\FN@sfgobble@optonly{\noexpand\protect
2162 \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
2163 \expandafter\def\csname FN@sfgobble@optonly \endcsname{
2164 \@ifnextchar[%]
2165 \FN@sfgobble@brace
2166 }%
2167 }
2168 \def\FN@sfgobble@brace[#1]{
2169 \def\@tabular{%
2170 \leavevmode \hbox \bgroup
2171 \let\@footnotetext\@footnotetext
2172 \let\@LTRfootnotetext\@LTRfootnotetext
2173 \let\@RTLfootnotetext\@RTLfootnotetext
2174 \let\@xfootnotetext\@xfootnotetext
2175 \let\@xfootnote\@xfootnote
2176 \let\@xLTRfootnotetext\@xLTRfootnotetext
2177 \let\@xLTRfootnote\@xLTRfootnote
2178 \let\@xRTLfootnotetext\@xRTLfootnotetext
2179 \let\@xRTLfootnote\@xRTLfootnote
2180 \if@RTLtab\beginR \fi
2181 $\let\@acol\@tabacol
2182 \let\@classz\@tabclassz
2183 \let\@classiv\@tabclassiv \let\@tabularcr\@tabarray}
2184 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
2185 \egroup $\if@RTLtab\endR\fi\egroup
2186 \ifx\@capttype\@undefined
2187 \global\@footnotetext\expandafter{\expandafter}\the\@footnotetext\fi}
2188 \long\def\@footnotetext#1{%
2189 \edef\@tempy{\the\@footnotetext\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
2190 \global\@footnotetext\expandafter{\@tempy{#1}}}%
2191 \long\def\@LTRfootnotetext#1{%
2192 \edef\@tempyi{\the\@footnotetext\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2193 \global\@LTRfootnotetext\expandafter{\@tempyi{#1}}}%
2194 \long\def\@RTLfootnotetext#1{%
2195 \edef\@tempyii{\the\@footnotetext\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
2196 \global\@RTLfootnotetext\expandafter{\@tempyii{#1}}}%
2197
2198

```



```

2199 \long\def\bidip@xftntext[#1]#2{%
2200   \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}
2201
2202 \long\def\bidip@xLTRftntext[#1]#2{%
2203   \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}
2204
2205 \long\def\bidip@xRTLftntext[#1]#2{%
2206   \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}
2207
2208
2209 \def\bidip@xfootnote[#1]{%
2210   \begingroup
2211     \csname c@\mpfn\endcsname #1\relax
2212     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2213   \endgroup
2214   \@footnotemark\bidip@xftntext[#1]}
2215
2216
2217 \def\bidip@xLTRfootnote[#1]{%
2218   \begingroup
2219     \csname c@\mpfn\endcsname #1\relax
2220     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2221   \endgroup
2222   \@footnotemark\bidip@xLTRftntext[#1]}
2223
2224
2225 \def\bidip@xRTLfootnote[#1]{%
2226   \begingroup
2227     \csname c@\mpfn\endcsname #1\relax
2228     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2229   \endgroup
2230   \@footnotemark\bidip@xRTLftntext[#1]}
2231
2232 \def\@xfloat #1[#2]{%
2233   \@nodoocument
2234   \def \@capttype {#1}%
2235   \def \@fps {#2}%
2236   \@onelevel@sanitize \@fps
2237   \def \reserved@b {!}%
2238   \ifx \reserved@b \@fps
2239     \@fpsadddefault
2240   \else
2241     \ifx \@fps \@empty
2242       \@fpsadddefault
2243     \fi
2244   \fi
2245   \ifhmode
2246     \@bsphack
2247     \@floatpenalty -\@Mii
2248   \else

```



```

2249     \@floatpenalty-\@Miii
2250   \fi
2251 \ifinner
2252   \@parmoderr\@floatpenalty\z@
2253 \else
2254   \@next\@currbox\@freelist
2255   {%
2256     \@tempcnta \sixt@@n
2257     \expandafter \@tfor \expandafter \reserved@a
2258       \expandafter :\expandafter =\@fps
2259     \do
2260     {%
2261       \if \reserved@a h%
2262         \ifodd \@tempcnta
2263           \else
2264             \advance \@tempcnta \@ne
2265           \fi
2266         \fi
2267         \if \reserved@a t%
2268           \@setfpsbit \tw@
2269         \fi
2270         \if \reserved@a b%
2271           \@setfpsbit 4%
2272         \fi
2273         \if \reserved@a p%
2274           \@setfpsbit 8%
2275         \fi
2276         \if \reserved@a !%
2277           \ifnum \@tempcnta>15
2278             \advance\@tempcnta -\sixt@@n\relax
2279           \fi
2280         \fi
2281       }%
2282     \@tempcntb \csname ftype@\@capttype \endcsname
2283     \multiply \@tempcntb \@xxxii
2284     \advance \@tempcnta \@tempcntb
2285     \global \count\@currbox \@tempcnta
2286   }%
2287 \@fltovf
2288 \fi
2289 \global \setbox\@currbox
2290   \color@vbox
2291   \normalcolor
2292   \vbox \bgroup
2293     \let\@footnotetext\@bidi@p@ftntext
2294     \let\@LTRfootnotetext\@bidi@p@LTRftntext
2295     \let\@RTLfootnotetext\@bidi@p@RTLftntext
2296     \let\@xfootnotenext\@bidi@p@xftntext
2297     \let\@xfootnote\@bidi@p@xfootnote
2298     \let\@xLTRfootnotenext\@bidi@p@xLTRftntext

```



```

2299      \let\@xLTRfootnote\@xLTRfootnote
2300      \let\@xRTLfootnotenext\@xRTLftntext
2301      \let\@xRTLfootnote\@xRTLfootnote
2302      \hsize\columnwidth
2303      \@parboxrestore
2304      \@floatboxreset
2305 }
2306 \def \@endfloatbox{%
2307     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2308     \@minipagefalse
2309     \outer@nobreak
2310     \egroup                %% end of vbox
2311     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
2312     \color@endbox
2313 }

```

## 19 File `bidimoderncv.cls`

```

2314 \NeedsTeXFormat{LaTeX2e}
2315 \ProvidesClass{bidimoderncv}
2316 \newif\if@DEBUG\@DEBUGfalse
2317 \DeclareOption{a4paper}{
2318     \setlength\paperheight{297mm}
2319     \setlength\paperwidth{210mm}}
2320 \DeclareOption{a5paper}{
2321     \setlength\paperheight{210mm}
2322     \setlength\paperwidth{148mm}}
2323 \DeclareOption{b5paper}{
2324     \setlength\paperheight{250mm}
2325     \setlength\paperwidth{176mm}}
2326 \DeclareOption{letterpaper}{
2327     \setlength\paperheight{11in}
2328     \setlength\paperwidth{8.5in}}
2329 \DeclareOption{legalpaper}{
2330     \setlength\paperheight{14in}
2331     \setlength\paperwidth{8.5in}}
2332 \DeclareOption{executivepaper}{
2333     \setlength\paperheight{10.5in}
2334     \setlength\paperwidth{7.25in}}
2335 \DeclareOption{landscape}{
2336     \setlength\@tempdima{\paperheight}
2337     \setlength\paperheight{\paperwidth}
2338     \setlength\paperwidth{\@tempdima}}
2339 \newcommand\@ptsize{}
2340 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2341 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2342 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2343 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2344 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2345 \newif\if@colour\@colourtrue

```



```

2346 \DeclareOption{nocolour}{\@colourfalse}
2347 \ExecuteOptions{a4paper,11pt,colour,final}
2348 \ProcessOptions\relax
2349 \input{size1\@ptsize.clo}
2350 \RequirePackage{color}
2351 \RequirePackage{graphicx}
2352 \RequirePackage{ifthen}
2353 \RequirePackage{marvosym}
2354 \addtolength{\oddsidemargin}{-54pt}
2355 \addtolength{\textwidth}{109pt}
2356 \addtolength{\topmargin}{-70pt}
2357 \addtolength{\textheight}{122pt}
2358 \addtolength{\marginparsep}{-5pt}
2359 \addtolength{\marginparwidth}{-10pt}
2360 \RequirePackage{url}
2361 \RequirePackage{hyperref}
2362 \hypersetup{%
2363   breaklinks,
2364   baseurl      = http://,%
2365   pdfborder    = 0 0 0,%
2366   pdfpagemode  = UseNone,%
2367   pdfstartpage = 1}
2368 \AtEndOfClass{%
2369   \AtBeginDocument{%
2370     \hypersetup{%
2371       pdfauthor   = \@firstname-\@familyname,%
2372       pdftitle    = \@title,%
2373       pdfsubject  = \@firstname-\@familyname,%
2374       pdfkeywords = \@resumename~\@firstname-\@familyname}}}
2375 \urlstyle{tt}
2376 \RequirePackage{fancyhdr}
2377 \fancypagestyle{plain}{%
2378   \renewcommand{\headrulewidth}{0pt}
2379   \renewcommand{\footrulewidth}{0pt}
2380   \fancyhf{}}
2381 \pagestyle{plain}
2382 \setlength\lineskip{1\p@}
2383 \setlength\normallineskip{1\p@}
2384 \renewcommand\baselinestretch{}
2385 \setlength{\parindent}{0pt}
2386 \setlength{\parskip}{0pt}
2387 \setlength\columnsep{10\p@}
2388 \setlength\columnseprule{0\p@}
2389 \pagestyle{empty}
2390 \pagenumbering{arabic}
2391 \raggedbottom
2392 \onecolumn
2393 \providecommand*\listitemsymbol{\textbullet}
2394 \providecommand*\addresssymbol{}
2395 \providecommand*\mobilesymbol{\Mobilefone}

```



```

2396 \providecommand*{\phonesymbol}{\Telefon}
2397 \providecommand*{\faxsymbol}{\FAX}
2398 \providecommand*{\emailsymbolsymbol}{\Letter}
2399 \definecolor{firstnamecolour}{rgb}{0,0,0}
2400 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2401 \def\familynamcolour#1{\gdef\@familynamcolour{\addfontfeature{Color=#1}}}
2402 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2403 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2404 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2405 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2406 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2407 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2408 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2409 \providecommand*{\firstnamefont}{}
2410 \providecommand*{\familynamefont}{}
2411 \providecommand*{\titlefont}{}
2412 \providecommand*{\addressfont}{}
2413 \providecommand*{\quotefont}{}
2414 \providecommand*{\sectionfont}{}
2415 \providecommand*{\subsectionfont}{}
2416 \providecommand*{\hintfont}{\small}
2417 \providecommand*{\firstnamestyle}[1]{\@firstnamefont\@firstnamecolour#1}
2418 \providecommand*{\familynamestyle}[1]{\@familynamefont\@familynamcolour#1}
2419 \providecommand*{\titlestyle}[1]{\@titlefont\@titlecolour#1}
2420 \providecommand*{\addresstyle}[1]{\@addressfont\@addresscolour#1}
2421 \providecommand*{\quotestyle}[1]{\@quotefont\@quotecolour#1}
2422 \providecommand*{\sectionstyle}[1]{\@sectionfont\@sectiontitlecolour#1}
2423 \providecommand*{\subsectionstyle}[1]{\@subsectionfont\@subsectioncolour#1}
2424 \providecommand*{\hintstyle}[1]{\@hintfont\@hintcolour#1}
2425 \newcommand*{\cvtheme}[2][{}]{
2426   \def\@cvtheme{#2}
2427   \def\@cvthemeoptions{#1}
2428   \cvtheme{bidi-casual}
2429   \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2430   \newcommand*{\resumename}[1]{\def\@resumename{#1}}
2431   \newcommand*{\firstname}[1]{\def\@firstname{#1}}
2432   \newcommand*{\familyname}[1]{\def\@familyname{#1}}
2433   \renewcommand*{\title}[1]{\def\@title{#1}}
2434   \newcommand*{\address}[1]{\def\@address{#1}}
2435   \newcommand*{\mobile}[1]{\def\@mobile{#1}}
2436   \newcommand*{\phone}[1]{\def\@phone{#1}}
2437   \renewcommand*{\fax}[1]{\def\@fax{#1}}
2438   \newcommand*{\email}[1]{\def\@email{#1}}
2439   \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
2440   \def\@photowidth{0pt}
2441   \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2442   \newcommand*{\quote}[1]{\def\@quote{#1}}
2443   \newlength{\quotewidth}
2444   \newlength{\hintscolumnwidth}
2445   \newlength{\separatorcolumnwidth}

```



```

2446 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2447 \newlength{\maincolumnwidth}
2448 \newlength{\doubleitemmaincolumnwidth}
2449 \newlength{\listitemsymbolwidth}
2450 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2451 \newlength{\listitemmaincolumnwidth}
2452 \newlength{\listdoubleitemmaincolumnwidth}
2453 \newcommand*{\recomputethemelengths}{}
2454 \newcommand*{\recomputelengths}{%
2455 \setlength{\quotewidth}{0.65\textwidth}%
2456 \setlength{\maincolumnwidth}{\textwidth}%
2457 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2458 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2459 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2460 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2461 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2462 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2463 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2464 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2465 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2466 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2467 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2468 \renewcommand{\headwidth}{\textwidth}%
2469 \recomputethemelengths}
2470 \setlength{\hintscolumnwidth}{0.15\textwidth}
2471 \recomputelengths
2472 \title{}
2473 \renewcommand*{\maketitle}{}
2474 \newcommand*{\section}[1]{%
2475 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2476 \phantomsection}%
2477 \addcontentsline{toc}{part}{#1}%
2478 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}
2479 \hspace{\separatorcolumnwidth}%
2480 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\@{1ex}}
2481 \newcommand*{\subsection}[1]{%
2482 \cvline[0.45em]{}{\subsectionstyle{#1}}}
2483 \newcommand*{\cvline}[3][.25em]{%
2484 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}
2485 \bidi@raggedleft\hintfont{#2} &{#3}%
2486 \end{tabular}\@{#1}}
2487 \newcommand*{\cvdoubleitem}[4]{%
2488 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2489 \hfill%
2490 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2491 \newcommand*{\cvlistitem}[2][\listitemsymbol]{}%
2492 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}%
2493 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{}%
2494 \cvline[0pt]{}{#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2495 \hfill%

```



```

2496 \ifthenelse{\equal{#3}{}}%
2497 {}%
2498 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth#3\end{minipage}}}%
2499 \newcommand*{\cventry}[6]{%
2500 \cvline{#1}{%
2501 {\bfseries#2}%
2502 \ifx#3\else{, {\slshape#3}}\fi%
2503 \ifx#4\else{, #4}\fi%
2504 \ifx#5\else{, #5}\fi%
2505 .%
2506 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2507 }%
2508 \newcommand*{\cvlanguage}[3]{%
2509 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}\small#3\end{minipage}}}%
2510 \newcommand*{\cvcomputer}[4]{%
2511 \cdoubleitem{#1}{\small#2}{#3}{\small#4}}
2512 \newcommand*{\link}[2][ ]{%
2513 \ifthenelse{\equal{#1}{}}%
2514 {\href{#2}{#2}}%
2515 {\href{#2}{#1}}}
2516 \newcommand*{\httplink}[2][ ]{%
2517 \ifthenelse{\equal{#1}{}}%
2518 {\href{http://#2}{#2}}%
2519 {\href{http://#2}{#1}}}
2520 \newcommand*{\emailink}[2][ ]{%
2521 \ifthenelse{\equal{#1}{}}%
2522 {\href{mailto:#2}{#2}}%
2523 {\href{mailto:#2}{#1}}}
2524 \newif\if@displaypagenumbers\@displaypagenumberstrue
2525 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2526 \AtBeginDocument{%
2527 \if@displaypagenumbers%
2528 \ifundefined{r@lastpage}{-}{%
2529 \ifthenelse{\pageref{lastpage} > 1}{%
2530 \fancypagestyle{plain}{%
2531 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL\endL\pageref{lastpage}}}%
2532 \pagestyle{plain}}}%
2533 \AtEndDocument{\label{lastpage}}%
2534 \fi}
2535 \newlength{\bibindent}
2536 \setlength{\bibindent}{1.5em}
2537 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2538 \newenvironment{thebibliography}[1]{%
2539 {%
2540 \section{\refname}%
2541 \small%
2542 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
2543 \bidi@thebibliography@font@hook%
2544 \begin{list}{\bibliographyitemlabel}%
2545 {%

```





```

2546 \setlength{\topsep}{0pt}%
2547 \setlength{\labelwidth}{\hintscolumnwidth}%
2548 \setlength{\labelsep}{\separatorcolumnwidth}%
2549 \leftmargin\labelwidth%
2550 \advance\leftmargin\labelsep%
2551 \@openbib@code%
2552 \usecounter{enumiv}%
2553 \let\p@enumiv\@empty%
2554 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2555 \sloppy\clubpenalty4000\widowpenalty4000%
2556 }%
2557 {%
2558 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2559 \end{list}%
2560 }
2561 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2562 \let\@openbib@code\@empty

```

## 20 File bidi-perpage.sty

```

2563 \NeedsTeXFormat{LaTeX2e}
2564 \ProvidesPackage{bidi-perpage}[2018/10/04 v0.4 Reset counter(s) on every page]
2565 \newcount\bidi@page@count
2566 \bidi@page@count\@ne
2567 \newcommand*{\ResetCounterPerPage}[2][\z@]{%
2568 \if@bidi@csundef\bidi@stepcounterhook@@#2}{%
2569 \expandafter\gdef\csname bidi@stepcounterhook@@#2\endcsname{%
2570 }}%
2571 \if@bidi@csundef{\if@bidi@reset@#2@rerun}{%
2572 \expandafter\newif\csname if@bidi@reset@#2@rerun\endcsname
2573 }}%
2574 \if@bidi@csundef\bidi@#2@count}{%
2575 \expandafter\newcount\csname bidi@#2@count\endcsname
2576 }}%
2577 \csname bidi@#2@count\endcsname\z@
2578 \if@bidi@csundef\bidi@previous@page@@#2@count}{%
2579 \expandafter\newcount\csname
2580 bidi@previous@page@@#2@count\endcsname
2581 }}%
2582 \csname bidi@previous@page@@#2@count\endcsname\z@
2583 \if@bidi@csundef\bidi@reset@#2@perpage}{%
2584 \bidi@AfterEndDocumentCheckLabelsRerun{%
2585 \csname if@bidi@reset@#2@rerun\endcsname
2586 \PackageWarningNoLine{bidi-perpage}{%
2587 Counter `#2' may not have been reset per page.
2588 Rerun to reset counter `#2' per page%
2589 }%
2590 \fi
2591 }%
2592 }%

```



```

2593 \expandafter\gdef\csname bidi@reset@#2@perpage\endcsname{%
2594   \global\advance\csname bidi@#2@count\endcsname\@ne
2595   \if@filesw
2596     \edef\@tempa{%
2597       \write\auxout{%
2598         \string\bidi@counter@page{#2}%
2599         {\number\csname bidi@#2@count\endcsname}%
2600         {\noexpand\number\noexpand\bidi@page@count}%
2601       }%
2602     }%
2603     \@tempa
2604   \fi
2605   \begingroup\expandafter\expandafter\expandafter\endgroup
2606   \expandafter\ifx\csname bidi@#2@@\number\csname
2607     bidi@#2@count\endcsname\endcsname\relax
2608     \global\csname @bidi@reset@#2@reruntrue\endcsname
2609   \else
2610     \global\csname @bidi@reset@#2@rerunfalse\endcsname
2611     \expandafter\@tempcnta\csname bidi@#2@@\number
2612     \csname bidi@#2@count\endcsname\endcsname\relax
2613     \ifnum\@tempcnta=\csname
2614       bidi@previous@page@@#2@count\endcsname
2615     \else
2616       \global\csname
2617         bidi@previous@page@@#2@count\endcsname\@tempcnta
2618       \global\csname c@#2\endcsname#1\relax
2619     \fi
2620   \fi
2621 }%
2622 \expandafter\bidi@gappto\csname
2623 bidi@stepcounterhook@@#2\endcsname{%
2624   \csname bidi@reset@#2@perpage\endcsname
2625 }%
2626 }
2627 \def\bidi@counter@page#1#2#3{\bidi@namegdef\bidi@#1@@#2}{#3}}
2628 \bidi@AtEndOutputPage{%
2629   \global\advance\bidi@page@count\@ne
2630 }

```

## 21 File biditools.sty

```

2631 \NeedsTeXFormat{LaTeX2e}
2632 \ProvidesPackage{biditools}[2020/05/13 v2 Programming tools for bidi package]
2633 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar``\relax
2634   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2635   \ifx\@tempa\@tempb \global\let#2#1%
2636   \else
2637     \edef\@tempb{\meaning#2}%
2638     \ifx\@tempa\@tempb
2639     \else

```



```

2640     \@latex@error{Unable to properly define \string#2; primitive
2641     \noexpand#1no longer primitive}\@eha
2642     \fi
2643 \fi
2644 \endgroup}
2645 \newtoks\@bidi@envbody
2646 \newtoks\@bidi@emptytoks
2647 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2648 \def\bidi@collect@body#1{%
2649   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2650 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}}%
2651 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2652 \begingroup
2653 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@body
2654 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2655 \bidi@process@envbody
2656 }
2657 \def\bidi@push@begins#1\begin#2{%
2658   \ifx\end#2\else b\expandafter\bidi@push@begins\fi
2659 }
2660 \def\bidi@collect@@body#1\end#2{%
2661   \edef\begin@bidi@stack{\bidi@push@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2662   \ifx\@empty\begin@bidi@stack
2663     \endgroup
2664     \@checkend{#2}%
2665     \bidi@addto@envbody{#1}%
2666   \else
2667     \bidi@addto@envbody{#1\end{#2}}}%
2668   \fi
2669   \bidi@process@envbody % A little tricky! Note the grouping
2670 }
2671 \long\def\bidi@addto@long@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2672 \long\def\bidi@collect@long@body#1{%
2673   \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}}%
2674 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}}%
2675 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2676 \begingroup
2677 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@long@@body
2678 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2679 \bidi@process@envbody
2680 }
2681 \long\def\bidi@push@long@begins#1\begin#2{%
2682   \ifx\end#2\else b\expandafter\bidi@push@long@begins\fi
2683 }
2684 \long\def\bidi@collect@long@@body#1\end#2{%
2685   \edef\begin@bidi@stack{\bidi@push@long@begins#1\begin\end \expandafter\@gobble\begin@bidi@stack}%
2686   \ifx\@empty\begin@bidi@stack
2687     \endgroup
2688     \@checkend{#2}%
2689     \bidi@addto@long@envbody{#1}%

```



```

2690 \else
2691 \bidi@addto@long@envbody{#1\end{#2}}%
2692 \fi
2693 \bidi@process@envbody % A little tricky! Note the grouping
2694 }
2695 \long\def\bidi@new@ifnextchar#1#2#3{%
2696 \let\reserved@d= #1%
2697 \def\reserved@a{#2}\def\reserved@b{#3}%
2698 \futurelet\@let@token\bidi@new@ifnch
2699 }
2700 \def\bidi@new@ifnch{%
2701 \ifx\@let@token\reserved@d \let\reserved@b\reserved@a \fi
2702 \reserved@b
2703 }
2704 \def\bidi@matrix@check#1{%
2705 \expandafter\ifx\csname\@currentenv\endcsname#1%
2706 \else\bidi@matrix@error#1%
2707 \expandafter\@gobble
2708 \fi
2709 }
2710 \def\bidi@matrix@error#1{%
2711 \PackageError{biditools}{%
2712 Old form '\string#1' should be \string\begin{\expandafter\@gobble\string#1}%
2713 }{%
2714 '\string#1{...}' is old bidi package syntax whose use is
2715 ill-advised in the old versions of bidi package.%
2716 }%
2717 }
2718 \def\@tagsextension{clo}
2719 \def\@definitionfileextension{def}
2720 \def\@texfileextension{tex}
2721 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2722 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2723 \def\@iftexfileloaded{\@ifl@aded\@texfileextension}
2724 \def\eqnewif#1#2{%
2725 \count@\escapechar \escapechar\m@ne
2726 \let#1\iffalse
2727 \let#2\iffalse
2728 \eq@if#1#2\iftrue
2729 \eq@if#1#2\iffalse
2730 \escapechar\count@}
2731 \def\eq@if#1#2#3{%
2732 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2733 \expandafter\@gobbletwo\string#3\endcsname
2734 {\let#1#3%
2735 \let#2#3}%
2736 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2737 \expandafter\@gobbletwo\string#3\endcsname
2738 {\let#2#3%
2739 \let#1#3}}

```



```

2740 \newcommand*{\SetBoolean}[2]{%
2741   \lowercase{\def\@tempa{#2}}%
2742   \@ifundefined{\tempswa\@tempa}%
2743     {\PackageError{biditools}%
2744       {You can only set a boolean to `true' or `false'}\@ehc}%
2745     {\@ifundefined{#1\@tempa}%
2746       {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2747       {\csname#1\@tempa\endcsname}}}
2748 \newcommand*{\GlobalSetBoolean}[2]{%
2749   \lowercase{\def\@tempa{#2}}%
2750   \@ifundefined{\tempswa\@tempa}%
2751     {\PackageError{biditools}%
2752       {You can only set a boolean to `true' or `false'}\@ehc}%
2753     {\@ifundefined{#1\@tempa}%
2754       {\PackageError{biditools}{Boolean #1 undefined}\@ehc}%
2755       {\global\csname#1\@tempa\endcsname}}}
2756 \newcommand*{\SetatBoolean}[2]{%
2757   \lowercase{\def\@tempa{#2}}%
2758   \@ifundefined{\tempswa\@tempa}%
2759     {\PackageError{biditools}%
2760       {You can only set a boolean to `true' or `false'}\@ehc}%
2761     {\@ifundefined{@#1\@tempa}%
2762       {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2763       {\csname @#1\@tempa\endcsname}}}
2764 \newcommand*{\GlobalSetatBoolean}[2]{%
2765   \lowercase{\def\@tempa{#2}}%
2766   \@ifundefined{\tempswa\@tempa}%
2767     {\PackageError{biditools}%
2768       {You can only set a boolean to `true' or `false'}\@ehc}%
2769     {\@ifundefined{@#1\@tempa}%
2770       {\PackageError{biditools}{Boolean @#1 undefined}\@ehc}%
2771       {\global\csname @#1\@tempa\endcsname}}}
2772 \def\@bidi@removefromreset#1#2{%
2773   \expandafter\let\csname c#1\endcsname\@bidi@removefromreset
2774   \def\@elt##1{%
2775     \expandafter\ifx\csname c@##1\endcsname\@bidi@removefromreset
2776       \else
2777         \noexpand\@elt{##1}%
2778       \fi}%
2779   \expandafter\xdef\csname cl#2\endcsname{%
2780     \csname cl@#2\endcsname}}
2781 \newcommand*{\ifRtoL}{%
2782   \ifRTL
2783     \expandafter\@firstoftwo
2784   \else
2785     \expandafter\@secondoftwo
2786   \fi}
2787 \newcommand*{\ifLtoR}{%
2788   \ifRTL
2789     \expandafter\@secondoftwo

```



```

2790 \else
2791   \expandafter\@firstoftwo
2792 \fi}
2793 \newcommand*{\ifRtoLtable}{%
2794   \if@RTLtab
2795     \expandafter\@firstoftwo
2796   \else
2797     \expandafter\@secondoftwo
2798   \fi}
2799 \newcommand*{\ifLtoRtable}{%
2800   \if@RTLtab
2801     \expandafter\@secondoftwo
2802   \else
2803     \expandafter\@firstoftwo
2804   \fi}
2805 \newcommand*{\ifRtoLhboxconstruct}{%
2806   \if@hboxRconstruct
2807     \expandafter\@firstoftwo
2808   \else
2809     \expandafter\@secondoftwo
2810   \fi}
2811 \newcommand*{\ifLtoRhboxconstruct}{%
2812   \if@hboxRconstruct
2813     \expandafter\@secondoftwo
2814   \else
2815     \expandafter\@firstoftwo
2816   \fi}
2817 \newcommand*{\iflatin}{%
2818   \if@nonlatin
2819     \expandafter\@secondoftwo
2820   \else
2821     \expandafter\@firstoftwo
2822   \fi}
2823 \newcommand*{\ifnonlatin}{%
2824   \if@nonlatin
2825     \expandafter\@firstoftwo
2826   \else
2827     \expandafter\@secondoftwo
2828   \fi}
2829
2830 \newcommand*{\@bidi@convert@dimen@t@unit}[2]{%
2831   \strip@pt\dimexpr #1*65536/\dimexpr 1#2\relax #2}
2832
2833 \newcommand*{\@bidi@convert@dimen@t@pt}[1]{%
2834   \dimexpr #1*65536/\dimexpr 1pt\relax}
2835
2836 \newcommand*{\if@bidi@csdef}[1]{%
2837   \ifcsname#1\endcsname
2838     \expandafter\@firstoftwo
2839   \else

```



```

2840 \expandafter\@secondoftwo
2841 \fi}
2842 \newcommand*{\if@bidi@csundef}[1]{%
2843 \ifcsname#1\endcsname
2844 \expandafter\ifx\csname#1\endcsname\relax
2845 \expandafter\expandafter
2846 \expandafter\@firstoftwo
2847 \else
2848 \expandafter\expandafter
2849 \expandafter\@secondoftwo
2850 \fi
2851 \else
2852 \expandafter\@firstoftwo
2853 \fi}
2854 \newcommand{\if@bidi@def}[1]{%
2855 \ifdefined#1%
2856 \expandafter\@firstoftwo
2857 \else
2858 \expandafter\@secondoftwo
2859 \fi}
2860 \newcommand{\if@bidi@undef}[1]{%
2861 \ifdefined#1%
2862 \ifx#1\relax
2863 \expandafter\expandafter
2864 \expandafter\@firstoftwo
2865 \else
2866 \expandafter\expandafter
2867 \expandafter\@secondoftwo
2868 \fi
2869 \else
2870 \expandafter\@firstoftwo
2871 \fi}
2872 \newcommand{\if@bidi@blank}[1]{% from url.sty
2873 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2874 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2875 \newcommand{\bidi@notblank}[1]{%
2876 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2877 \newcommand{\if@bidi@defmacro}{%
2878 \long\edef\if@bidi@defmacro#1{%
2879 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2880 \noexpand\meaning#1\detokenize{macro}:&}
2881 \edef\bidi@ifdefmacro{%
2882 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2883 \bidi@ifdefmacro{\bidi@notblank{#2}}
2884 \newcommand*{\if@bidi@csmacro}[1]{%
2885 \if@bidi@csdef{#1}
2886 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2887 {\@secondoftwo}}
2888 \newcommand{\if@bidi@defprimitive}[1]{%
2889 \ifprimitive#1%

```



```

2890 \expandafter\@firstoftwo
2891 \else
2892 \expandafter\@secondoftwo
2893 \fi}
2894 \newcommand{\if@bidi@csprimitive}[1]{%
2895 \begingroup\expandafter\expandafter\expandafter\endgroup%
2896 \expandafter\ifprimitive\csname#1\endcsname%
2897 \expandafter\@firstoftwo
2898 \else
2899 \expandafter\@secondoftwo
2900 \fi}
2901 \newcommand*{\@bidi@csdefcs}[2]{%
2902 \expandafter\@ifdefinable \csname#1\endcsname{%
2903 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2904 \newcommand*{\@bidi@csletcs}[2]{%
2905 \expandafter\@ifdefinable \csname#1\endcsname{%
2906 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2907 \newcommand*{\@bidi@cslet}[2]{%
2908 \expandafter\@ifdefinable \csname#1\endcsname{%
2909 \expandafter\let\csname#1\endcsname#2}}
2910 \newcommand{\@bidi@namelongdef}[1]{%
2911 \long\expandafter\def\csname #1\endcsname{
2912 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2913 \def\bidi@ensure@new@command#1{%
2914 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}}\endgroup
2915 \expandafter\if@bidi@csundef\@gtempa
2916 {\new@command#1}{\relax%
2917 \let\@ifdefinable\@rc@ifdefinable%
2918 \new@command#1}}
2919 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2920
2921 \protected\def\bidi@error{\PackageError{bidi}}
2922 \protected\def\bidi@warning{\PackageWarning{bidi}}
2923 \protected\def\bidi@info{\PackageInfo{bidi}}
2924
2925 \def\bidi@pos#1#2#3#4{\bidi@namegdef\bidi@#1pos@#2@#3}{#4}}
2926
2927 \newcount\bidi@poscount
2928
2929 \newcommand*{\WriteStartXPostoaux}{%
2930 \global\advance\bidi@poscount\@ne
2931 \edef\@tempa{%
2932 \write\@auxout{%
2933 \string\bidi@pos{x}{start}{\number\bidi@poscount}{\noexpand\number\noexpand\pdflastxpr
2934 }%
2935 }%
2936 \ifvmode
2937 \leavevmode
2938 \fi
2939 \if@RTL

```





```

2940     \if@filesw
2941     \@tempa
2942 \fi
2943 \pdfsavepos
2944 \else
2945 \pdfsavepos
2946 \if@filesw
2947     \@tempa
2948 \fi
2949 \fi
2950 \if@bidi@csundef{bidi@xpos@@start@\number\bidi@poscount}{%
2951     \PackageWarningNoLine{biditools}{%
2952         The start x position `\'number\bidi@poscount' is not known yet.
2953         Rerun to get this x position%
2954     }%
2955 }{}%
2956 }
2957
2958 \newcommand*{\WriteEndXPostoaux}{%
2959     \edef\@tempa{%
2960         \write\@auxout{%
2961             \string\bidi@pos{x}{end}{\'number\bidi@poscount}{\'noexpand\number\noexpand\pdflastxp
2962         }%
2963     }%
2964 \if@RTL
2965     \if@filesw
2966     \@tempa
2967 \fi
2968 \pdfsavepos
2969 \else
2970 \pdfsavepos
2971 \if@filesw
2972     \@tempa
2973 \fi
2974 \fi
2975 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
2976     \PackageWarningNoLine{biditools}{%
2977         The end x position `\'number\bidi@poscount' is not known yet.
2978         Rerun to get this x position%
2979     }%
2980 }{}%
2981 }
2982
2983 \newcommand*{\WriteStartYPostoaux}{%
2984     \global\advance\bidi@poscount\@ne
2985     \edef\@tempa{%
2986         \write\@auxout{%
2987             \string\bidi@pos{y}{start}{\'number\bidi@poscount}{\'noexpand\number\noexpand\pdflastyp
2988         }%
2989     }%

```



```

2990 \ifvmode
2991 \leavevmode
2992 \fi
2993 \if@RTL
2994 \if@filesw
2995 \@tempa
2996 \fi
2997 \pdfsavepos
2998 \else
2999 \pdfsavepos
3000 \if@filesw
3001 \@tempa
3002 \fi
3003 \fi
3004 \if@bidi@csundef{bidi@ypos@start@number\bidi@poscount}{%
3005 \PackageWarningNoLine{biditools}{%
3006 The start y position `number\bidi@poscount' is not known yet.
3007 Rerun to get this y position%
3008 }%
3009 }{}%
3010 }
3011
3012 \newcommand*{\WriteEndYPostoaux}{%
3013 \edef\@tempa{%
3014 \write\@auxout{%
3015 \string\bidi@pos{y}{end}{number\bidi@poscount}{noexpand\number\noexpand\pdflastyp
3016 }%
3017 }%
3018 \if@RTL
3019 \if@filesw
3020 \@tempa
3021 \fi
3022 \pdfsavepos
3023 \else
3024 \pdfsavepos
3025 \if@filesw
3026 \@tempa
3027 \fi
3028 \fi
3029 \if@bidi@csundef{bidi@ypos@end@number\bidi@poscount}{%
3030 \PackageWarningNoLine{biditools}{%
3031 The end y position `number\bidi@poscount' is not known yet.
3032 Rerun to get this y position%
3033 }%
3034 }{}%
3035 }
3036
3037 \newcommand*{\WriteStartXYPstoaux}{%
3038 \global\advance\bidi@poscount\@ne
3039 \edef\@tempa{%

```



```

3040     \write\@auxout{%
3041       \string\bidipos{x}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastxp
3042     }%
3043     \write\@auxout{%
3044       \string\bidipos{y}{start}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastyp
3045     }%
3046   }%
3047   \ifvmode
3048     \leavevmode
3049   \fi
3050 \if@RTL
3051   \if@filesw
3052     \@tempa
3053   \fi
3054   \pdfsavepos
3055   \else
3056     \pdfsavepos
3057   \if@filesw
3058     \@tempa
3059   \fi
3060 \fi
3061 \if@bidi@csundef{bidi@xpos@start@\number\bidiposcount}{%
3062   \PackageWarningNoLine{biditools}{%
3063     The start x position '\number\bidiposcount' is not known yet.
3064     Rerun to get this x position%
3065   }%
3066 }{}%
3067 \if@bidi@csundef{bidi@ypos@start@\number\bidiposcount}{%
3068   \PackageWarningNoLine{biditools}{%
3069     The start y position '\number\bidiposcount' is not known yet.
3070     Rerun to get this y position%
3071   }%
3072 }{}%
3073 }
3074
3075 \newcommand*\WriteEndXYPostoaux{%
3076   \edef\@tempa{%
3077     \write\@auxout{%
3078       \string\bidipos{x}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastxp
3079     }%
3080     \write\@auxout{%
3081       \string\bidipos{y}{end}{\number\bidiposcount}{\noexpand\number\noexpand\pdflastyp
3082     }%
3083   }%
3084 \if@RTL
3085   \if@filesw
3086     \@tempa
3087   \fi
3088   \pdfsavepos
3089 \else

```



```

3090 \pdfsavepos
3091 \if@filesw
3092   \@tempa
3093 \fi
3094 \fi
3095 \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{%
3096   \PackageWarningNoLine{biditools}{%
3097     The end x position `\'number\bidi@poscount' is not known yet.
3098     Rerun to get this x position%
3099   }%
3100 }{}%
3101 \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{%
3102   \PackageWarningNoLine{biditools}{%
3103     The end y position `\'number\bidi@poscount' is not known yet.
3104     Rerun to get this y position%
3105   }%
3106 }{}%
3107 }
3108
3109 \newcommand*{\currentposxwidth}{%
3110   \if@bidi@csundef{bidi@xpos@@end@\number\bidi@poscount}{\z@}
3111   {%
3112     \ifnum\csname bidi@xpos@@start@\number\bidi@poscount
3113     \endcsname < \csname bidi@xpos@@end@\number\bidi@poscount
3114     \endcsname
3115     \dimexpr \csname bidi@xpos@@end@\number\bidi@poscount
3116     \endcsname sp - \csname bidi@xpos@@start@\number\bidi@poscount
3117     \endcsname sp\relax
3118   \else
3119     \dimexpr \csname bidi@xpos@@start@\number\bidi@poscount
3120     \endcsname sp - \csname bidi@xpos@@end@\number\bidi@poscount
3121     \endcsname sp\relax
3122   \fi
3123 }%
3124 }
3125
3126 \newcommand*{\currentposyheight}{%
3127   \if@bidi@csundef{bidi@ypos@@end@\number\bidi@poscount}{\z@}
3128   {%
3129     \dimexpr \csname bidi@ypos@@start@\number\bidi@poscount
3130     \endcsname sp - \csname bidi@ypos@@end@\number\bidi@poscount
3131     \endcsname sp\relax
3132   }%
3133 }
3134
3135
3136
3137 \newcommand*{\setbaselineskip}[1]{%
3138   \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
3139   \selectfont

```



```

3140 }
3141
3142
3143 \newcommand*{\bidi@newrobustcmd}{\}
3144 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
3145
3146 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
3147
3148 \def\bidi@newcommand#1[#2]{%
3149   \@ifnextchar[%]
3150     {\bidi@xargdef#1[#2]}
3151     {\ifx\l@ngrel@x\relax
3152       \let\l@ngrel@x\protected
3153       \else
3154         \protected\def\l@ngrel@x{\protected\long}%
3155       \fi
3156       \@argdef#1[#2]}}
3157
3158 \long\def\bidi@xargdef#1[#2][#3]#4{%
3159   \@ifdefinable#1{%
3160     \expandafter\protected
3161     \expandafter\def
3162     \expandafter#1%
3163     \expandafter{%
3164       \expandafter\@testopt
3165       \csname\string#1\endcsname{#3}}}%
3166   \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}
3167
3168 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
3169
3170 \def\bidi@renew@command#1{%
3171   \if@bidi@undef{#1}
3172     {\bidi@error{\string#1 undefined}\@ehc}
3173     {}%
3174   \let\@ifdefinable\@rc@ifdefinable
3175   \bidi@new@command#1}
3176
3177
3178
3179 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
3180
3181 \def\bidi@provide@command#1{%
3182   \if@bidi@undef{#1}
3183     {\def\reserved@a{\bidi@new@command#1}}
3184     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
3185   \reserved@a}
3186
3187 \newcommand*{\bidi@csuse}[1]{%
3188   \ifcsname#1\endcsname
3189     \csname#1\expandafter\endcsname

```



```

3190 \fi}
3191
3192 \newcommand{\bidi@expandonce}[1]{%
3193 \unexpanded\expandafter{#1}}
3194
3195 \def\bidi@protected{%
3196 \let\@@protect\protect
3197 \let\protect\@unexpandable@protect
3198 \afterassignment\restore@protect}
3199
3200 \bidi@newrobustcmd{\bidi@appto}[2]{%
3201 \if@bidi@undef{#1}
3202 {\edef#1{\unexpanded{#2}}}
3203 {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
3204 \bidi@newrobustcmd{\bidi@eappto}[2]{%
3205 \if@bidi@undef{#1}
3206 {\edef#1{#2}}
3207 {\edef#1{\bidi@expandonce#1#2}}}
3208 \bidi@newrobustcmd{\bidi@gappto}[2]{%
3209 \if@bidi@undef{#1}
3210 {\xdef#1{\unexpanded{#2}}}
3211 {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
3212 \bidi@newrobustcmd{\bidi@xappto}[2]{%
3213 \if@bidi@undef{#1}
3214 {\xdef#1{#2}}
3215 {\xdef#1{\bidi@expandonce#1#2}}}
3216
3217 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
3218 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
3219
3220
3221
3222 \bidi@newrobustcmd{\bidi@preto}[2]{%
3223 \if@bidi@undef{#1}
3224 {\edef#1{\unexpanded{#2}}}
3225 {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
3226 \bidi@newrobustcmd{\bidi@epreto}[2]{%
3227 \if@bidi@undef{#1}
3228 {\edef#1{#2}}
3229 {\edef#1{#2\bidi@expandonce#1}}}
3230 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
3231 \if@bidi@undef{#1}
3232 {\xdef#1{\unexpanded{#2}}}
3233 {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
3234 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
3235 \if@bidi@undef{#1}
3236 {\xdef#1{#2}}
3237 {\xdef#1{#2\bidi@expandonce#1}}}
3238
3239 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}

```



```

3240 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
3241
3242
3243
3244 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
3245 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
3246 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
3247 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
3248 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
3249 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
3250
3251
3252
3253 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
3254 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
3255 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
3256 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
3257 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
3258 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
3259
3260
3261
3262 \bidi@newrobustcmd{\if@bidi@patchable}{%
3263   \bidi@dbg@trce\if@bidi@patchable
3264   \begingroup
3265   \@makeother\#%
3266   \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
3267
3268 \long\def\bidi@ifpatchable#1#2{%
3269   \endgroup
3270   \bidi@dbg@init#1%
3271   \if@bidi@undef{#1}
3272     {\bidi@dbg@fail{def}\@secondoftwo}
3273     {\bidi@dbg@info{def}%
3274       \if@bidi@defmacro{#1}
3275         {\bidi@dbg@info{mac}%
3276           \bidi@ifscanable{#1}
3277             {\bidi@ifhashcheck{#2}
3278               {\bidi@dbg@info{tok}%
3279                 \bidi@ifpattern#1{#2}
3280                 {\bidi@dbg@info{pat}%
3281                   \bidi@dbg@info{pos}\@firstoftwo}
3282                   {\bidi@dbg@fail{pat}\@secondoftwo}}
3283                 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3284                 {\bidi@dbg@fail{tok}\@secondoftwo}}
3285                 {\bidi@dbg@fail{mac}\@secondoftwo}}}
3286   }
3287 \long\def\bidi@ifpatchable@i#1{%
3288   \endgroup
3289   \bidi@dbg@init#1%

```



```

3290 \if@bidi@undef{#1}
3291   {\bidi@dbg@fail{def}\@secondoftwo}
3292   {\bidi@dbg@info{def}%
3293     \if@bidi@defmacro{#1}
3294       {\bidi@dbg@info{mac}%
3295         \if@bidi@defparam{#1}
3296           {\bidi@dbg@info{prm}%
3297             \bidi@ifscanable{#1}
3298               {\bidi@dbg@info{tok}%
3299                 \bidi@dbg@info{pos}\@firstoftwo}
3300               {\bidi@dbg@fail{tok}\@secondoftwo}}
3301             {\bidi@dbg@info{prl}%
3302               \if@bidi@defprotected{#1}
3303                 {\bidi@dbg@info{pro}}
3304                 {}%
3305               \bidi@dbg@info{pos}\@firstoftwo}}
3306             {\bidi@dbg@fail{mac}\@secondoftwo}}}
3307
3308 \bidi@newrobustcmd*{\bidi@patchcmd}{%
3309   \bidi@dbg@trce\bidi@patchcmd
3310   \begingroup
3311   \@makeother\#%
3312   \bidi@@patchcmd}
3313
3314 \newcommand{\bidi@@patchcmd}[4][#####1]{%
3315   \bidi@ifpatchable#2{#3}
3316   {\bidi@dbg@succ{ret}%
3317     \begingroup
3318     \edef\bidi@resrvda{%
3319       \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
3320         #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
3321       \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
3322         ####1\detokenize{#4}####2}%
3323       \edef\noexpand\bidi@resrvda{%
3324         \noexpand\bidi@resrvda\meaning#2&}}%
3325     \bidi@resrvda
3326     \bidi@patchcmd@scantoks\bidi@resrvda
3327     \let#2\bidi@resrvda
3328     \bidi@undef\bidi@resrvda
3329     \@firstoftwo}
3330   {\@secondoftwo}}
3331
3332 \def\bidi@patchcmd@scantoks#1{%
3333   \edef\bidi@resrvda{\endgroup
3334     \unexpanded{\makeatletter\scantokens}{#1}%
3335     \catcode\number`\@=\the\catcode`\@ \relax}%
3336   \bidi@resrvda}
3337
3338 \newcommand\bidi@isloaded[2][]{
3339   \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax

```





```

3340 \expandafter\newif\csname if@bidi@#2loaded@ \endcsname
3341 \fi
3342 \@ifpackageloaded{#2}
3343 {\csname @bidi@#2loaded@true \endcsname #1}
3344 {\csname @bidi@#2loaded@false \endcsname}}
3345
3346 \protected\def\bidi@ifscanable#1{%
3347 \begingroup
3348 \edef\bidi@resrvda{%
3349 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3350 ####1\def\string\bidi@resrvda####2{####3}}}%
3351 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3352 \bidi@resrvda
3353 \makeatletter
3354 \scantokens\expandafter{\bidi@resrvda}%
3355 \expandafter\endgroup\ifx#1\bidi@resrvda
3356 \expandafter\@firstoftwo
3357 \else
3358 \expandafter\@secondoftwo
3359 \fi}
3360
3361
3362 \protected\long\def\bidi@ifhashcheck#1{%
3363 \begingroup
3364 \edef\bidi@resrvda{\detokenize{#1}}}%
3365 \expandafter\endgroup
3366 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&
3367
3368 \edef\bidi@ifhashcheck@i#1&{%
3369 \noexpand\expandafter
3370 \noexpand\bidi@ifhashcheck@ii
3371 \noexpand\strip@prefix#1\string#\string#&}
3372
3373 \edef\bidi@ifhashcheck@ii{%
3374 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&{
3375 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
3376
3377
3378 \protected\long\def\bidi@ifpattern#1#2{%
3379 \begingroup
3380 \edef\bidi@resrvda{%
3381 \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
3382 \endgroup\noexpand\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%
3383 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
3384 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
3385 \noexpand\bidi@resrvda}
3386 \bidi@resrvda\@secondoftwo\@firstoftwo}
3387
3388
3389 \newcommand{\if@bidi@defparam}{ }

```



```

3390 \long\edef\if@bidi@defparam#1{%
3391   \noexpand\expandafter\noexpand\bidi@ifdefparam
3392   \noexpand\meaning#1\detokenize{macro}:->&}
3393 \edef\bidi@ifdefparam{%
3394   \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
3395 \bidi@ifdefparam{\bidi@notblank{#2}}
3396
3397
3398 \newcommand{\if@bidi@defprotected}{%
3399 \long\edef\if@bidi@defprotected#1{%
3400   \noexpand\expandafter\noexpand\bidi@ifdefprotected
3401   \noexpand\meaning#1\string\protected&}
3402 \edef\bidi@ifdefprotected{%
3403   \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
3404 \bidi@ifdefprotected{\bidi@notblank{#2}}
3405
3406
3407 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3408
3409 \let\bidi@dbg@trce\@gobble
3410 \let\bidi@dbg@init\@gobble
3411 \let\bidi@dbg@info\@gobble
3412 \let\bidi@dbg@succ\@gobble
3413 \let\bidi@dbg@fail\@gobble
3414
3415
3416
3417 \bidi@newrobustcmd*{\bidi@apptocmd}{%
3418   \bidi@dbg@trce\bidi@apptocmd
3419   \begingroup
3420   \@makeother\#%
3421   \bidi@hooktocmd\bidi@append}
3422
3423
3424
3425 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3426   \bidi@dbg@trce\bidi@pretocmd
3427   \begingroup
3428   \@makeother\#%
3429   \bidi@hooktocmd\bidi@prepend}
3430
3431 \long\def\bidi@hooktocmd#1#2#3{%
3432   \endgroup
3433   \bidi@dbg@init#2%
3434   \if@bidi@undef{#2}
3435     {\bidi@dbg@fail{def}}\@secondoftwo}
3436   {\bidi@dbg@info{def}}%
3437   \if@bidi@defmacro{#2}
3438     {\bidi@dbg@info{mac}}%
3439     \if@bidi@defparam{#2}

```



```

3440     {\bidi@dbg@info{prm}%
3441     \bidi@ifscanable{#2}
3442     {\bidi@ifhashcheck{#3}
3443     {\bidi@dbg@info{tok}%
3444     \bidi@dbg@succ{ret}%
3445     \bidi@hooktocmd@i#1#2{#3}%
3446     \@firstoftwo}
3447     {\bidi@dbg@fail{hsh}\@secondoftwo}}
3448     {\bidi@dbg@fail{tok}\@secondoftwo}}
3449     {\bidi@dbg@info{prl}%
3450     \if@bidi@defprotected{#2}
3451     {\bidi@dbg@info{pro}%
3452     \bidi@dbg@succ{red}%
3453     \protected}
3454     {\bidi@dbg@succ{red}}}%
3455     \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3456     \@firstoftwo}}
3457     {\bidi@dbg@fail{mac}\@secondoftwo}}}}
3458
3459 \long\def\bidi@hooktocmd@i#1#2#3{%
3460 \begingroup
3461 \edef\bidi@resrvda{%
3462 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
3463 ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
3464 \edef\noexpand\bidi@resrvda{%
3465 \noexpand\bidi@resrvda\meaning#2&}}%
3466 \bidi@resrvda
3467 \bidi@patchcmd@scantoks\bidi@resrvda
3468 \let#2\bidi@resrvda
3469 \bidi@undef\bidi@resrvda}
3470
3471 \long\def\bidi@append#1#2{#1#2}
3472 \long\def\bidi@prepend#1#2{#2#1}
3473
3474 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3475 \newcommand*{\bidi@endpreamblehook}{}
3476
3477 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipouthook}
3478 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
3479
3480 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
3481 \newcommand*{\bidi@beforeheaderhook}{}
3482
3483 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutputpagehook}
3484 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
3485
3486 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpagehook}
3487 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
3488
3489 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}

```



```

3490 \newcommand*{\bidi@beforefooterhook}{}
3491
3492 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
3493 \newcommand*{\bidi@afterfooterhook}{}
3494
3495
3496 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
3497 \newcommand*{\bidi@afteroutputpageshipouthook}{}
3498
3499 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
3500 \newcommand*{\bidi@atendoutputpagehook}{}
3501
3502 \bidi@preto\document{%
3503   \endgroup
3504   \let\bidi@AtEndPreamble\@firstofone
3505   \bidi@endpreamblehook
3506   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3507   \bidi@undef\bidi@endpreamblehook
3508   \begingroup}
3509
3510 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3511 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3512
3513 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3514 \newcommand*{\bidi@afterendpreamblehook}{}
3515
3516 \bidi@gappto\document{%
3517   \let\bidi@AfterEndPreamble\@firstofone
3518   \bidi@afterendpreamblehook
3519   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3520   \bidi@undef\bidi@afterendpreamblehook
3521   \ignorespaces}
3522
3523 \bidi@newrobustcmd*{\bidi@AfterEndDocumentCheckLabelsRerun}{\bidi@gappto\bidi@afterenddocument}
3524 \newcommand*{\bidi@afterenddocumentchecklabelsrerunhook}{}
3525
3526 \bidi@patchcmd\enddocument
3527   {\fi\endgroup}
3528   {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
3529     \bidi@afterenddocumentchecklabelsrerunhook
3530     \fi\endgroup}
3531   {}
3532   {\PackageWarning{biditools}{Patching '\string\enddocument' failed}}
3533
3534 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3535
3536 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
3537 \newcommand*{\bidi@afterlastshipouthook}{}
3538
3539 \bidi@patchcmd\enddocument

```



```

3540 {\clearpage}
3541 {\clearpage
3542 \let\bid@AfterLastShipout\@firstofone
3543 \bid@afterlastshipouthook}
3544 {}
3545 {\let\bid@clearpage\clearpage
3546 \def\clearpage{%
3547 \bid@clearpage
3548 \let\bid@AfterLastShipout\@firstofone
3549 \bid@afterlastshipouthook}}
3550
3551 \bid@newrobustcmd*\bid@AfterEndDocument{\bid@gappto\bid@afterenddocumenthook}
3552 \newcommand*\bid@afterenddocumenthook{}
3553
3554 \bid@patchcmd\enddocument
3555 {\deadcycles}
3556 {\let\bid@AfterEndDocument\@firstofone
3557 \bid@afterenddocumenthook
3558 \deadcycles}
3559 {}
3560 {\let\bid@@end@@end
3561 \def@@end{%
3562 \let\bid@AfterEndDocument\@firstofone
3563 \bid@afterenddocumenthook
3564 \bid@@end}}
3565
3566 \bid@newrobustcmd{\bid@AtBeginEnvironment}[1]{%
3567 \bid@csgappto{@bid@begin@#1@hook}}
3568
3569 % Patch \begin<space> and \end<space> in newer LaTeX releases
3570 % \begin and \end in older ones.
3571 \expandafter\bid@patchcmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
3572 {\csname #1\endcsname}
3573 {\bid@csuse{@bid@begin@#1@hook}}%
3574 \csname #1\endcsname}
3575 {}
3576 {\bid@warning{%
3577 Patching '\string\begin' failed!\MessageBreak
3578 '\string\bid@AtBeginEnvironment' will not work\@gobble}}
3579
3580
3581
3582 \bid@newrobustcmd{\bid@AtEndEnvironment}[1]{%
3583 \bid@csgappto{@bid@end@#1@hook}}
3584
3585 \expandafter\bid@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
3586 {\csname end#1\endcsname}
3587 {\bid@csuse{@bid@end@#1@hook}}%
3588 \csname end#1\endcsname}
3589 {}

```



```

3590 {\bidi@warning{%
3591     Patching '\string\end' failed!\MessageBreak
3592     '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3593
3594
3595
3596 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3597     \bidi@csgappto{\bidi@beforebegin@#1@hook}}
3598
3599 \expandafter\bidi@pretocmd\csname begin\ifcsname begin \endcsname\space\fi\endcsname
3600     {\bidi@csuse{\bidi@beforebegin@#1@hook}}
3601 {}
3602 {\bidi@warning{%
3603     Patching '\string\begin' failed!\MessageBreak
3604     '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
3605
3606 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3607     \bidi@csgappto{\bidi@afterend@#1@hook}}
3608
3609 \expandafter\bidi@patchcmd\csname end\ifcsname end \endcsname\space\fi\endcsname
3610     {\if@ignore}
3611     {\bidi@csuse{\bidi@afterend@#1@hook}}%
3612     \if@ignore}
3613 {}
3614 {\bidi@warning{%
3615     Patching '\string\end' failed!\MessageBreak
3616     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}
3617
3618 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
3619 \def\bidi@namedef#1{\expandafter\gdef\csname #1\endcsname}
3620 \def\bidi@namedef#1{\expandafter\edef\csname #1\endcsname}
3621 \def\bidi@namedef#1{\expandafter\xdef\csname #1\endcsname}
3622
3623 % From David Carlisle:
3624 % The \@stpelt redefinition below belongs to Heiko Oberdiek
3625 % See also https://github.com/ho-tex/oberdiek/issues/26
3626
3627 \let\bidi@stepcounter\stepcounter
3628 \let\bidi@@stpelt\@stpelt
3629
3630 \def\@stpelt#1{%
3631     \ifcsname bidi@reset@#1@perpage\endcsname
3632         \begingroup
3633             \let\stepcounter\bidi@stepcounter
3634             \@bidi@@stpelt{#1}%
3635         \endgroup
3636     \expandafter\@gobbletwo
3637     \fi
3638     \@bidi@@stpelt{#1}%
3639 }

```



```

3640
3641 \bidi@pretocmd\stepcounter
3642 {%
3643   \if@bidi@csundef\bidi@stepcounterhook@@#1\}{%
3644     \csname bidi@stepcounterhook@@#1\endcsname
3645   }%
3646 }{}%
3647 {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
3648
3649 \chardef\bidi@backslash`\\
3650 \def\bidics#1{\texttt{\char\bidi@backslash#1}}
3651
3652 % anonymous control sequences
3653 \newcount\bidi@tempcountb
3654 \newtoks\bidi@temptoksa
3655 \newtoks\bidi@temptoksb
3656
3657 % Catcode (re)storing
3658 %
3659 \def\bidi@storecatcode#1%
3660   {\escapechar\m@ne
3661     \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3662     {\catcode`\string#1=
3663       \the\catcode\expandafter`\string#1}%
3664     \catcode\expandafter`\string#1=12\relax
3665     \escapechar`\\ \relax}
3666 \def\bidi@restorecatcode#1%
3667   {\escapechar\m@ne
3668     \csname bidi@restorecatcode\string#1\endcsname
3669     \escapechar`\\ \relax}
3670
3671 % Construct a control sequence inside \edef
3672 %
3673 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3674
3675 % Construct a control sequence out of #2, and give it to #1
3676 %
3677 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
3678
3679 % Pick an escapecharacter
3680 % this presumes that its argument is a character.
3681 %
3682 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3683
3684 % Equality of strings.
3685 % the fast approach: does not work in expansion-only environment.
3686 %
3687 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
3688   \ifx\bidi@eqs@a\bidi@eqs@b}
3689

```



```

3690 % Test by expansion only
3691 %
3692 \def\bid@EqualStringX#1#2{00\fi
3693   \csname if\@bid@EqualStringX#1&#2&\endcsname}
3694 \def\@bid@EqualStringX#1#2$#3#4$\ifx#1#3%
3695   \ifx#1&true\else\bid@hop@ES\@bid@EqualStringX#2$#4$\fi
3696   \else false\fi}
3697 \def\bid@hop@ES#1\fi#2\fi{\fi\fi#1}
3698
3699 % Lexicographic ordering
3700 % note the use of \def
3701 % also note the characters 0,127,255 that are used,
3702 % these are not supposed to appear in the strings
3703 %
3704 {\catcode0=12 \catcode255=12 \catcode127=12
3705 \gdef\bid@StringBeforeNC#1#2{00\fi
3706   \bid@CharsBefore#1^^@^^?#2^^ff^^?}
3707 \gdef\bid@CharsBeforeNC#1#2^^?#3#4^^?{%
3708   \ifcat#1\relax\def\bid@next{\bid@CharsBefore#2^^@^^?#3#4^^ff^^?}%
3709   \else\ifcat#3\relax\def\bid@next{\bid@CharsBefore#1#2^^@^^?#4^^ff^^?}%
3710   \else\ifnum\lccode`#1<\lccode`#3
3711     \def\bid@next{\csname iftrue\endcsname}%
3712   \else\ifnum\lccode`#1>\lccode`#3
3713     \def\bid@next{\csname iffalse\endcsname}%
3714   \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
3715   \fi \fi \fi \fi
3716   \bid@next}
3717 \gdef\bid@StringBefore#1#2{00\fi
3718   \bid@CharsBefore#1^^@^^?#2^^ff^^?}
3719 \gdef\bid@CharsBefore#1#2^^?#3#4^^?{%
3720   \ifnum`#1<`#3
3721     \def\bid@next{\csname iftrue\endcsname}%
3722   \else\ifnum`#1>`#3
3723     \def\bid@next{\csname iffalse\endcsname}%
3724   \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
3725   \fi\fi
3726   \bid@next}
3727 }
3728
3729 % Null argument test
3730 %
3731 \def\bid@empty{}
3732 \def\bid@ifempty#1{00\fi\expandafter\ifx\csname bid@#1@null\endcsname\bid@@null}
3733 \def\bid@ifEmptyX#1{\expandafter\ifx\csname bid@#1@null\endcsname\bid@@null}
3734 %\def\bid@ifEmpty#1{\def\bid@cs@a{#1}\ifx\bid@cs@a\bid@empty}
3735 \def\bid@IsEmptyList#1{00\fi\def\bid@cs@a{#1}\ifx\cs@a\bid@empty}
3736
3737 % Next character test
3738 %
3739 \def\bid@NextChar#1#2#3{00\fi

```





```

3740 \let\bidixnxt@ch#1\def\bidixnxt@a{#2}\def\bidixnxt@b{#3}%
3741 \futurelet\bidixnxt@c\@bidixfnxtc}
3742 \def\bidixifNextChar#1#2#3{%
3743 \let\bidixnxt@ch#1\def\bidixnxt@a{#2}\def\bidixnxt@b{#3}%
3744 \futurelet\bidixnxt@c\@bidixfnxtc}
3745 \def\@bidixfnxtc{\ifx\bidixnxt@ch\bidixnxt@c \expandafter\bidixnxt@a
3746 \else \expandafter\bidixnxt@b \fi}
3747
3748 % Test for defined-ness of string as control sequence.
3749 % works inside \edef
3750 %
3751 \def\bidixundefinedcs#1{00\fi\bidixcsarg\ifx{#1}\relax}
3752
3753 % Define uniquely defined dummy macros,
3754 % usually to serve as bumper blocks at the end of a list
3755 %
3756 \newcount\bidixdummies
3757 \def\DefNewDummy#1{
3758 \if\bidixundefinedcs{#1}\bidixcsarg\edef{#1}{\bidixdum\the\bidixdummies}
3759 \advance\bidixdummies\@ne
3760 \else
3761 \bidixerror{Attempt at second definition of `#1'}
3762 \fi}
3763
3764 % string case statement
3765 % use: \bidixswitch \iftest{...} in:
3766 % item1 action1
3767 % ...
3768 % itemn actionn
3769 % default defaultaction [optional]
3770 % \endbidixswitch
3771 % inspired by Jonathan Fine: Some Basic Control Macros
3772 % Tugboat 12 #4
3773 %
3774 \let\@bidixfi\fi \let\endbidixswitch\relax \DefNewDummy{\bidixdefault}
3775 \def\bidixswitch@exit #1 \@bidixfi #2 \endbidixswitch {\fi #1}
3776 \def\bidixswitch #1#2#3{\bidixcsarg\ifx{#2}\bidixdefault\bidixswitch@exit #3 \@bidixfi
3777 #1{#2}\bidixswitch@exit #3 \@bidixfi
3778 \bidixswitch {#1}
3779 }
3780 % this version puts the test object in {}
3781 \def\bidixoswitch #1 in: #2 #3; {\bidixcsarg\ifx{#2}\bidixdefault\bidixswitch@exit #3 \@bidixfi
3782 #1{#2}\bidixswitch@exit #3 \@bidixfi
3783 \bidixswitch #1 in:
3784 }
3785 % this version assumes that the test object is just one character
3786 \def\bidixcswitch #1 in: #2 #3; {\bidixcsarg\ifx{#2}\bidixdefault\bidixswitch@exit #3 \@bidixfi
3787 #1#2\bidixswitch@exit #3 \@bidixfi
3788 \bidixcswitch #1 in:
3789 }

```



```

3790% this version assumes that the test object can have an optional space
3791\def\bidibswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3792 #1#2 \bidi@switch@exit #3 \@bidi@fi
3793 \bidibswitch #1 in:
3794}
3795% this version can cope with significant spaces at the start of #3;
3796% #2 is macro argument
3797\def\bidimswitch #1 in: #2:#3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3798 #1{#2}\bidi@switch@exit #3 \@bidi@fi
3799 \bidimswitch #1 in:
3800}
3801% idem; #2 does not have to be enclosed in braces
3802\def\bidifswitch #1 in: #2:#3; {\bidicsarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \@bidi@
3803 #1#2 \bidi@switch@exit #3 \@bidi@fi
3804 \bidifswitch #1 in:
3805}
3806
3807% Routines for taking the value of a string:
3808% if the string is defined as control sequence
3809% take the value of that, otherwise take the string itself
3810
3811% String or value of control sequence
3812%
3813\def\bidiw@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3814
3815% String or control sequence
3816%
3817\def\@bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3818
3819% String or \noexpand-ed control sequence;
3820% for use in \edef
3821%
3822\newif\ifbidi@in@label
3823\def\@bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
3824 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3825\newtoks\bidi@are@these@correct
3826\def\bidi@t@w@w#1{%
3827 \if\bidi@undefinedcs{#1}#1%
3828 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 }\fi
3829 \else
3830 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3831
3832% List Manipulation .....
3833% this assumes that #1 is a list of tokens, #2 is the name of a list
3834%
3835% Names of lists (and of items to pop into) are given as strings;
3836% not as control sequences.
3837%
3838\newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
3839% basic append/prepend macro

```



```

3840 \long\def\@bidi@append@to@cslst#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3841   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@
3842 \long\def\@bidi@prepend@to@cslst#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3843   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista
3844 \def\@bidi@append@to@list{\bidi@csarg\@bidi@append@to@cslst}
3845 \def\@bidi@prepend@to@list{\bidi@csarg\@bidi@prepend@to@cslst}
3846 % variations:
3847 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
3848 \long\def\bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#2}}
3849 \def\bidi@append@list@to@list#1#2{%
3850   \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\en
3851 \def\bidi@prepend@list@to@list#1#2{%
3852   \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\en
3853 \def\bidi@append@cslst@to@cslst#1#2{%
3854   \@bidi@append@to@cslst{#1}\expandafter{\the#2}}
3855 \def\bidi@prepend@cslst@to@cslst#1#2{%
3856   \@bidi@prepend@to@cslst{#1}\expandafter{\the#2}}
3857 \def\bidi@append@toks@cs@to@list#1#2{\@bidi@append@to@list{#1}\expandafter{\the#2}}
3858 \def\bidi@prepend@toks@cs@to@list#1#2{\@bidi@prepend@to@list{#1}\expandafter{\the#2}}
3859
3860 \let\bidi@willbeunhskip\unhskip
3861
3862 % A few list macros for the user
3863 \def\NewTokenList:#1 {\bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3864 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
3865 \long\def\AppendToTokenList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
3866 \long\def\PrependToTokenList:#1=#2 {\@bidi@prepend@to@list{#1}{#2}}
3867 \def\TheTokenList:#1 {\let\bidi@oldwbuskip\bidi@willbeunhskip \let\bidi@willbeunhskip\@empty
3868   \if\bidi@undefinedcs{#1}\bidi@error{Token List <#1> undefined}
3869   \else\bidi@csarg\the{#1}\fi
3870   \let\bidi@willbeunhskip\bidi@oldwbuskip}
3871
3872 \def\bidi@del@tok@from@list#1#2{\begingroup
3873   \long\def\bidi@cs@liste##1#2##2\bidi@tok@SM
3874     {\bidi@toks@lista{##1}\bidi@toks@listb{##2}}%
3875     \edef\bidi@cs@listb{\global\bidi@csname{#1}=
3876       {\the\bidi@toks@lista\the\bidi@toks@listb}}%
3877     \bidi@cs@listb}%
3878   \edef\bidi@cs@lista{\noexpand\bidi@cs@liste{\expandafter\the\csname#1\endcsname\noexpand
3879   \bidi@cs@lista \endgroup}
3880 \def\bidi@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3881   \bidi@in@front@of@cslst\bidi@cs@lista}
3882 \long\def\bidi@in@front@of@cslst#1#2{\begingroup\bidi@toks@lista={#2}%
3883   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista
3884   \endgroup}
3885 \long\def\bidi@local@in@front@of@list#1#2{\bidi@toks@lista={#2}%
3886   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3887     {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3888     \expandafter\the\csname#1\endcsname}%
3889   }

```



```

3890 \def\bidiset@list#1{\bidi@csarg{\let\expandafter\bidi@cs@lista}{#1}%
3891 \bidi@set@csl@list\bidi@cs@lista}
3892 \long\def\bidi@set@csl@list#1#2{\begingroup\bidi@toks@lista={#2}%
3893 \global#1=\expandafter{\the\bidi@toks@lista}\endgroup}
3894
3895 %%%%%%%%%%%%%%% Stack macros
3896 %
3897 % push in terms of prepending of lists
3898 \def\bidi@push@cs@onto@cs#1#2{\@bidi@prepend@to@csl@list#1\expandafter{\expandafter\\expandafter}
3899 \def\bidi@push@onto#1{\bidi@csarg\bidi@push@onto@cs{#1}}
3900 \def\bidi@push@onto@cs#1#2{\@bidi@prepend@to@csl@list#1{\{\{#2\}\}}
3901 \def\bidi@local@push@onto#1#2{\let\relax
3902 \bidi@local@in@front@of@list{#1}{\{#2\}}
3903 % pop via auxiliary macro: #1 is result, #2 is stack
3904 % two cs arguments
3905 \def\bidi@pop@cs@into#1#2{\edef\bidi@cs@e
3906 {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
3907 % two string arguments
3908 \def\bidi@pop@into#1#2{\edef\bidi@cs@e
3909 {\noexpand\@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@bidi@pop}
3910 \long\def\@bidi@popinto#1#2\#3#4\@bidi@pop{#1{#3}#2{#4}}
3911 \def\bidi@copy@stacktop#1#2{%
3912 \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
3913 {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
3914 \bidi@cs@e}
3915 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
3916 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
3917 \def\bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
3918 \def\bidi@length@of@csstack#1{\def\advance\bidi@stack@length\@ne}%
3919 \bidi@stack@length\@m@ne \the#1}
3920 % turn a stack upside down
3921 \def\bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
3922 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
3923 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3924 \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\@m@ne
3925 \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
3926 % \bidi@append@csl@to@csl@list\bidi@temptoksb\bidi@temptoksa% append a to b
3927 % \bidi@temptoksa\bidi@temptoksb
3928 \repeat% copy b to a
3929 #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3930 % invert a stack into a list
3931 \def\bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
3932 \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
3933 \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3934 \bidi@pop@into{\bidi@temptoksb}{#1}\advance\bidi@stack@length\@m@ne
3935 \bidi@append@list@to@list{\bidi@temptoksb}{\bidi@temptoksa}\repeat
3936 \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3937
3938
3939 % General loop macro:

```



```

3940% \looprepeat
3941%   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3942%   \untilcondition{<cond>} \whilecondition{<cond>}
3943%   \doloopbody { <loop body> }
3944% where all control sequences in between \looprepeat and \doloopbody are optional.
3945%
3946% var: characters to form a control sequence;
3947%   after \forvariable{index} you can access the loop counter as \index.
3948%   This is a count register; to print it use \number\index.
3949% start,step,end: integers with obvious relations to the loop counter;
3950%   start and step have a default value of 1
3951% cond: (sequence of commands ending in) any TeX \if... test.
3952%
3953% Count down instead of up with \downtovalue; the increment given in \bystep
3954% is always positive, and is added or subtracted accordingly.
3955%
3956% Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3957% at the beginning of the loop body.
3958%
3959% Exit from middle of loop: \breaklooprepeat
3960% use this at any place in the loop; in case of a conditional use
3961%   \ifsomething ... \expandafter \breaklooprepeat \fi
3962%
3963% Note that the line ends do not cause spaces in the output.
3964%
3965% Technical details:
3966% The loop body is not executed in a group: the braces are those
3967% of a token list.
3968% The 'forvariable' variable is \let to a \count register.
3969
3970
3971
3972% Auxiliary stuff
3973\def\bidil@looprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3974\def\bidil@looprepeat@csromannumeral#1{\csname #1\romannumeral\bidil@looprepeat@depth\endcsname}
3975\def\bidil@looprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidil@looprepeat@depth\endcsname}
3976
3977\newcount\bidil@looprepeat@depth
3978\let\endlooprepeat\relax \def\bidil@csprotect{}
3979% Trace switches may later be defined by PAC_utils
3980\let\bidil@looprepeat@traceinit\relax \let\bidil@looprepeat@traceexit\relax
3981
3982% Main repeatloop macro
3983% - go to next level and allocate unique counter/toks if this is the
3984%   first time we visit this level
3985% - setup: gather bounds and termination conditions
3986% - scoop up body in token list; after the assignment define and
3987%   execute body
3988\def\looprepeat#1\doloopbody{\bidil@looprepeat@traceinit % exit in \breakrepeatloop
3989  \advance\bidil@looprepeat@depth\@ne\relax

```



```

3990 \bidi@looprepeat@csargromannumeral\ifx\bidi@looprepeat@count\relax
3991 \bidi@looprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidi@looprepeat@
3992 \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepeat@
3993 \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepeat@
3994 \bidi@looprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidi@looprepeat@
3995 \fi \bidi@looprepeat@zero \def\bidi@looprepeat@sign{}\def\bidi@looprepeat@comp{>}\bidi@loopre
3996 \edef\bidi@looprepeat@tmp
3997 {\def\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}{\bidi@loopre
3998 \afterassignment\bidi@looprepeat@dxbody\bidi@looprepeat@csromannumeral\bidi@looprepeat@toks}
3999
4000 % Define and execute loop body
4001 % This is done with an \edef to construct the actual sequence
4002 \def\bidi@looprepeat@dxbody{\bidi@looprepeat@csargromannumeral\edef\bidi@looprepeat@body}{%
4003 \bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}%
4004 \noexpand\the\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@toks}%
4005 \bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@utest}%
4006 \global\bidi@looprepeat@csargromannumeral\advance\bidi@looprepeat@count by \bidi@looprepe
4007 \noexpand\endlooprepeat
4008 \bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@looprepeat}}%
4009 \bidi@looprepeat@csromannumeral\bidi@looprepeat@body\ignorespaces}
4010
4011 % Stop test
4012 %% In order to stop, issue a
4013 % \breaklooprepeat which scoops up the rest of the body and exits
4014 \def\breaklooprepeat#1\endlooprepeat{\bidi@looprepeat@zero\bidi@looprepeat@csargromannumeral\
4015 \advance\bidi@looprepeat@depth\m@ne \bidi@looprepeat@traceexit
4016 }
4017
4018
4019 % Setup
4020 % gather bounds and termination conditions
4021 \def\bidi@looprepeat@setup#1{%
4022 \begingroup
4023 \def\forvariable##1{%
4024 \edef\bidi@looprepeat@tmp{%
4025 \global\let\bidi@looprepeat@csarg\noexpand{##1}\bidi@looprepeat@csromannumeral\bidi@l
4026 \bidi@looprepeat@tmp}%
4027 \def\fromvalue##1{\bidi@looprepeat@csargromannumeral\global\bidi@looprepeat@count##1\igno
4028 \def\tovalue##1{%
4029 \edef\bidi@looprepeat@tmp{\global\bidi@looprepeat@csargromannumeral\noexpand\bidi@loopre
4030 {\bidi@looprepeat@csargromannumeral\the\bidi@looprepeat@wtest}%
4031 \noexpand\ifnum\bidi@looprepeat@csargromannumeral\noexpand\bidi@looprepeat@count\bidi
4032 \noexpand\expandafter \noexpand\breaklooprepeat
4033 \noexpand\fi}\ignorespaces}%
4034 \bidi@looprepeat@tmp}%
4035 \def\downtovalue##1{%
4036 \gdef\bidi@looprepeat@sign{-}\gdef\bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
4037 \def\bystep##1{\ifnum##1<0 \bidi@error{LOOPREPEAT: increment has to be a positive value}\
4038 \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc{-##1}\else
4039 \bidi@looprepeat@csargromannumeral\gdef\bidi@looprepeat@inc{##1}\fi\ignorespaces}

```



```

4040 \def\untilcondition##1{%
4041 \edef\bidil@looprepeat@tmp{\global\bidil@looprepeat@csargromannumeral\noexpand\bidil@loopre
4042 {\noexpand##1\relax
4043 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
4044 \bidil@looprepeat@tmp}%
4045 \def\whilecondition##1{%
4046 \edef\bidil@looprepeat@tmp{\global\bidil@looprepeat@csargromannumeral\noexpand\bidil@loopre
4047 {\noexpand##1\relax \noexpand\else
4048 \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
4049 \bidil@looprepeat@tmp}%
4050 \fromvalue{\@ne}\bystep{\@ne}#1%
4051 \endgroup}
4052 \def\bidil@looprepeat@zero
4053 {\bidil@looprepeat@csromannumeral{\bidil@looprepeat@toks}{}\bidil@looprepeat@csromannumeral{\bi
4054 \bidil@looprepeat@csargromannumeral\def{\bidil@looprepeat@body}{}}
4055
4056 %\tracingmacros2
4057 %\newcount\tmpcount % used in some examples below
4058
4059 %\looprepeat \forvariable{i}
4060 % \bystep{2}
4061 % \doloopbody {%
4062 % \ifnum i=13 \expandafter\breaklooprepeat \fi
4063 % \number{i} } %
4064 %}%
4065
4066 %\looprepeat \forvariable{iii}
4067 % \tovalue{8}
4068 % \doloopbody {}
4069 %After loop: \number{iii}%
4070
4071 %\looprepeat \forvariable{i}
4072 % \fromvalue{10}
4073 % \bystep{2}
4074 % \downtovalue{0}
4075 % \doloopbody {\number{i} }
4076
4077 %\looprepeat \forvariable{x} \whilecondition{\ifnum x<7}
4078 % \doloopbody {\number{x} }
4079
4080 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
4081
4082 %\looprepeat \forvariable{j}
4083 % \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
4084 % \doloopbody {\number{j} }
4085
4086 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
4087 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
4088 % \doloopbody {(\number{i}.\number{j}) }
4089 % }

```



```

4090
4091 % infinite loop
4092 %\looprepeat \doloopbody {}
4093
4094 \renewcommand{\InputIfFileExists}[2]{%
4095   \begingroup\expandafter\expandafter\expandafter\endgroup
4096   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
4097     \expandafter\@secondoftwo
4098   \else
4099     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
4100     \expandafter\@firstoftwo
4101   \fi
4102   {%
4103     \expandafter\InputIfFileExists\expandafter{\csname
4104       #1-@bidi@alias\endcsname}{#2}%
4105   }%
4106   {\IfFileExists{#1}{%
4107     \bidi@load@hook{before}{#1}%
4108     #2\@addtofilelist{#1}%
4109     \@@input \@filef@und
4110     \bidi@load@hook{after}{#1}%
4111   }}%
4112 }
4113
4114 \newcommand*\bidi@loadwithoptions{}
4115 \newcommand*\bidi@loadwithoptions{}
4116 \let\bidi@loadwithoptions\@loadwithoptions
4117
4118 \renewcommand*\@loadwithoptions}[3]{%
4119   \begingroup\expandafter\expandafter\expandafter\endgroup
4120   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
4121     \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
4122   \else
4123     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
4124     \def\bidi@loadwithoptions{%
4125       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
4126     }%
4127   \fi
4128   \bidi@loadwithoptions
4129 }
4130
4131 \newcommand*\bidi@onefilewithoptions{}
4132 \let\bidi@onefilewithoptions\@onefilewithoptions
4133 \def\bidi@onefilewithoptions#1[#2][#3]#4{%
4134   \begingroup\expandafter\expandafter\expandafter\endgroup
4135   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
4136     \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
4137   \else
4138     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
4139     \def\bidi@onefilewithoptions{%

```





```

4140 \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
4141 \fi
4142 \bidi@onefilewithoptions[#2][#3]{#4}%
4143 \bidi@load@hook{lateafter}{#1.#4}%
4144 }
4145
4146 \newcommand*{\bidi@ReplaceInput}[2]{%
4147 \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
4148 }
4149
4150 \newcommand*{\bidi@UnReplaceInput}[1]{%
4151 \ifcsname #1-@bidi@alias\endcsname
4152 \expandafter\let\csname #1-@bidi@alias\endcsname\relax
4153 \fi
4154 }
4155
4156 \newcommand*{\@bidi@replacefilewithtext}[3]{%
4157 \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
4158 }
4159 \newcommand*{\bidi@ReplacePackage}[2]{%
4160 \@bidi@replacefilewithtext{#1}{#2}\@pkgextension
4161 }
4162 \newcommand*{\bidi@ReplaceClass}[2]{%
4163 \@bidi@replacefilewithtext{#1}{#2}\@clsextension
4164 }
4165 \newcommand*{\@bidi@unreplacefilewithtext}[2]{%
4166 \ifcsname #1.#2-@bidi@aliasname\endcsname
4167 \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
4168 \fi
4169 }
4170 \newcommand*{\bidi@UnReplacePackage}[1]{%
4171 \@bidi@unreplacefilewithtext{#1}\@pkgextension
4172 }
4173 \newcommand*{\bidi@UnReplaceClass}[1]{%
4174 \@bidi@unreplacefilewithtext{#1}\@clsextension
4175 }
4176 \newcommand*{\bidi@replacefile@msg}[2]{%
4177 \PackageInfo{biditytools}{inputing `#1' instead of `#2'}%
4178 }
4179
4180 \newcommand*{\bidi@load@hook}[2]{%
4181 \@ifundefined{#2-@#1}{}%
4182 \@nameuse{#2-@#1}%
4183 \expandafter\let\csname #2-@#1\endcsname=\relax}}
4184 \newcommand*{\bidi@set@load@hook}[2]{%
4185 \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}}%
4186 \expandafter\g@addto@macro\csname #2-@#1\endcsname}
4187 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
4188 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
4189 \newcommand*{\bidi@BeforeClass}[1]{%

```



```

4190 \bidi@set@load@hook{before}{#1.\@clsextension}}
4191 \newcommand*{\bidi@AfterClass}{%
4192   \ifstar {\@s@bidi@AfterClass}{%
4193     \ifnextchar +\@@bidi@AfterClass{%
4194       \ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
4195     }%
4196   }%
4197 }
4198
4199 \newcommand*{\@@@bidi@AfterClass}[2]{%
4200   \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
4201     \aftergroup\@s@bidi@AfterClass
4202   \else
4203     \aftergroup\bidi@AfterAtEndOfClass
4204   \fi
4205   \endgroup{#2}%
4206 }
4207
4208 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
4209   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
4210 \newcommand*{\@@@bidi@AfterClass}[2]{%
4211   \begingroup
4212     \expandafter\ifx\csname #2.\@clsextension-h@k\endcsname\relax
4213       \aftergroup\@s@bidi@AfterClass
4214     \else
4215       \aftergroup\bidi@AfterClass
4216     \fi
4217   \endgroup{#2}%
4218 }
4219
4220 \newcommand*{\@bidi@AfterClass}[1]{%
4221   \bidi@set@load@hook{after}{#1.\@clsextension}}
4222 \newcommand*{\@s@bidi@AfterClass}[1]{%
4223   \begingroup
4224     \ifclassloaded{#1}{%
4225       \aftergroup\@secondoftwo
4226     }{%
4227       \aftergroup\bidi@AfterClass
4228     }%
4229   \endgroup
4230   {#1}%
4231 }
4232
4233
4234 \newcommand*{\bidi@BeforePackage}[1]{%
4235   \bidi@set@load@hook{before}{#1.\@pkgextension}}
4236 \newcommand*{\bidi@AfterPackage}{%
4237   \ifstar {\@s@bidi@AfterPackage}{%
4238     \ifnextchar +\@@bidi@AfterPackage{%
4239       \ifnextchar !\@@@bidi@AfterPackage\bidi@AfterPackage

```



```

4240 }%
4241 }%
4242 }
4243 \newcommand*{\@@@bidi@AfterPackage}[2]{%
4244 \begingroup\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
4245 \aftergroup\@s@bidi@AfterPackage
4246 \else
4247 \aftergroup\bidi@AfterAtEndOfPackage
4248 \fi
4249 \endgroup{#2}%
4250 }
4251 \newcommand*{\bidi@AfterAtEndOfPackage}[1]{%
4252 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
4253 \newcommand*{\@@bidi@AfterPackage}[2]{%
4254 \begingroup
4255 \expandafter\ifx\csname #2.\@pkgextension-h@@k\endcsname\relax
4256 \aftergroup\@s@bidi@AfterPackage
4257 \else
4258 \aftergroup\bidi@AfterPackage
4259 \fi
4260 \endgroup{#2}%
4261 }
4262 \newcommand*{\@bidi@AfterPackage}[1]{%
4263 \bidi@set@load@hook{after}{#1.\@pkgextension}}
4264 \newcommand*{\@s@bidi@AfterPackage}[1]{%
4265 \begingroup
4266 \@ifpackageloaded{#1}{%
4267 \aftergroup\@secondoftwo
4268 }{%
4269 \aftergroup\bidi@AfterPackage
4270 }%
4271 \endgroup
4272 {#1}%
4273 }
4274
4275 \newcommand*{\bidi@excludedpackages}{%
4276 \let\bidi@excludedpackages\@empty
4277 \newcommand*{\bidi@saved@RequirePackage}{%
4278 \newcommand*{\bidi@PreventPackageFromLoading}{%
4279 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}{%
4280 {\@bidi@PreventPackageFromLoading\PackageWarning}%
4281 }
4282 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
4283 \@ifnextchar [%]
4284 {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
4285 }
4286 \newcommand*{\@bidi@PreventPackageFromLoading}{%
4287
4288 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
4289 \edef\reserved@b{\zap@space#3 \@empty}%

```



```

4290 \ifx \reserved@b\@empty
4291   #1{biditools}{%
4292     \string\bid@PreventPackageFromLoading\space with empty packages\MessageBreak
4293     argument ignored%
4294   }%
4295 \else
4296   \ifx\bid@excludedpackages\@empty
4297     \let\bid@sav@RequirePackage\RequirePackage
4298     \let\RequirePackage\bid@RequirePackage
4299     \def\reserved@a##1##{%
4300       \@latex@error
4301       {\noexpand \usepackage before \string\documentclass}%
4302       {\noexpand \usepackage may only appear in the document
4303        preamble, i.e.,\MessageBreak
4304        between \noexpand\documentclass and
4305        \string\begin{document}.}%
4306       \@gobble}%
4307     \ifx\reserved@a\usepackage\else
4308       \ifx\usepackage\bid@sav@RequirePackage\else
4309         \PackageWarning{biditools}{%
4310           Maybe serious problem: unexpected definition of\MessageBreak
4311           \string\usepackage
4312         }%
4313       \fi
4314       \let\usepackage\RequirePackage
4315     \fi
4316   \fi
4317   \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
4318   \reserved@b\do {%
4319     \ifx\reserved@a\@empty
4320       #1{biditools}{%
4321         empty package argument for
4322         \string\bid@PreventPackageFromLoading\MessageBreak
4323         ignored%
4324       }%
4325     \else
4326       \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
4327         #1{biditools}{%
4328           package '\reserved@a' already loaded.\MessageBreak
4329           Cannot prevent it from being loaded%
4330         }%
4331       }{%
4332         \edef\bid@excludedpackages{\bid@excludedpackages,%
4333           \reserved@a}%
4334         \if\relax\detokenize{#2}\relax\else
4335           \@ifundefined{bid@exclude@package@\reserved@a @do}{%
4336             \@namedef{bid@exclude@package@\reserved@a @do}{}%
4337           }{%
4338             \expandafter\def
4339             \csname bid@exclude@package@\reserved@a

```



```

4340             @do\expandafter\expandafter\expandafter\endcsname
4341             \expandafter\expandafter\expandafter{%
4342             \csname bidi@exclude@package@\reserved@a @do\endcsname
4343             #2%
4344             }%
4345         \fi
4346     }%
4347 \fi
4348 }%
4349 \ifx\bidi@excludedpackages\@empty
4350     \bidi@ResetPreventPackageFromLoading
4351 \fi
4352 \fi
4353 }
4354
4355 \@onlypreamble\bidi@PreventPackageFromLoading
4356 \newcommand*{\bidi@ResetPreventPackageFromLoading}{%
4357 \let\bidi@excludedpackages\@empty
4358 \ifx\RequirePackage\bidi@RequirePackage
4359     \ifx\usepackage\RequirePackage
4360         \let\usepackage\bidi@saved@RequirePackage
4361     \fi
4362 \let\RequirePackage\bidi@saved@RequirePackage
4363 \fi
4364 }
4365 \@onlypreamble\bidi@ResetPreventPackageFromLoading
4366 \newcommand*{\bidi@StorePreventPackageFromLoading}[1]{%
4367 \let#1\bidi@excludedpackages
4368 }
4369 \@onlypreamble\bidi@StorePreventPackageFromLoading
4370 \newcommand*{\bidi@UnPreventPackageFromLoading}{%
4371 \@ifstar {\@tempwatrue\bidi@UnPreventPackageFromLoading}%
4372           {\@tempwafalse\bidi@UnPreventPackageFromLoading}%
4373 }
4374
4375 \newcommand*{\@bidi@UnPreventPackageFromLoading}[1]{%
4376 \edef\reserved@b{\zap@space#1 \@empty}%
4377 \if@tempswa
4378     \@for\reserved@a:=\reserved@b\do {%
4379         \ifx\reserved@a\@empty \else
4380             \ifcsname bidi@exclude@package@\reserved@a @do\endcsname
4381             \expandafter\let
4382             \csname bidi@exclude@package@\reserved@a @do\endcsname
4383             \undefined
4384         \fi
4385     \fi
4386 }%
4387 \fi
4388 \ifcsname bidi@excludedpackages\endcsname
4389     \let\reserved@a\bidi@excludedpackages

```



```

4390 \let\bidix@excludedpackages\@empty
4391 \expandafter\@for\expandafter\reserved@c
4392 \expandafter:\expandafter=\reserved@a
4393 \do{%
4394   \ifx\reserved@c\@empty\else
4395     \@expandtwoargs\in@{,\reserved@c,}{,\reserved@b,}%
4396     \ifin@
4397     \else
4398       \edef\bidix@excludedpackages{%
4399         \bidix@excludedpackages,\reserved@c
4400       }%
4401     \fi
4402   \fi
4403 }%
4404 \ifx\bidix@excludedpackages\@empty\bidix@ResetPreventPackageFromLoading\fi
4405 \fi
4406 }
4407
4408
4409 \newcommand*{\bidix@RequirePackage}[2] [] {%
4410   \let\reserved@c\@empty
4411   \let\reserved@d\@empty
4412   \edef\reserved@b{\zap@space#2 \@empty}%
4413   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
4414   \do {%
4415     \begingroup
4416       \@tempswatrue
4417       \@for\reserved@a:=\bidix@excludedpackages\do {%
4418         \ifx\reserved@a\reserved@b
4419           \@tempswafalse
4420         \fi
4421       }%
4422       \if@tempswa
4423         \xdef\reserved@c{\reserved@c,\reserved@b}%
4424       \else
4425         \ifx\reserved@b\@empty\else
4426           \PackageInfo{biditools}{Excluding package `\'reserved@b'\MessageBreak
4427             from loading}%
4428           \ifundefined{bidix@exclude@package@\reserved@b @do}{%
4429             }{%
4430               \expandafter\g@addto@macro\expandafter\reserved@d
4431               \csname bidix@exclude@package@\reserved@b @do\endcsname
4432             }%
4433           \fi
4434         \fi
4435       \endgroup
4436     }%
4437   \ifx\reserved@c\@empty
4438     \let\reserved@a\bidix@gobbleopt
4439   \else

```



```

4440 \edef\reserved@a{\noexpand\bidisaved@RequirePackage[#1]{%
4441 \expandafter\@gobble\reserved@c\@empty}}%
4442 \fi
4443 \expandafter\reserved@d
4444 \reserved@a
4445 }
4446
4447 \newcommand{\bidigobbleopt}[1][{}]{%
4448 \AtEndDocument{%
4449 \let\bidisaved@checkend=\@checkend
4450 \renewcommand*{\@checkend}[1]{%
4451 \def\reserved@a{#1}\def\reserved@b{document}%
4452 \bidisaved@checkend{#1}%
4453 \ifx\reserved@a\reserved@b
4454 \let\bidisaved@clearpage=\clearpage
4455 \renewcommand*{\clearpage}{\bidisaved@clearpage
4456 \bidihook@bcma
4457 \bidirestore@newpage
4458 \let\clearpage=\bidisaved@clearpage}%
4459 \fi%
4460 \let\bidisaved@dofilelist\@dofilelist
4461 \def\@dofilelist{%
4462 \bidihook@acma
4463 \let\@dofilelist\bidisaved@dofilelist
4464 \bidisaved@dofilelist
4465 }%
4466 }%
4467 }
4468
4469
4470 \newcommand*{\bidisaved@checkend}{}
4471 \newcommand*{\bidisaved@dofilelist}{}
4472 \newcommand*{\bidiredefine@newpage}{%
4473 \let\bidisaved@newpage\newpage
4474 \def\bidirestore@newpage{%
4475 \renewcommand*{\newpage}{%
4476 \PackageWarningNoLine{%
4477 biditools%
4478 }{%
4479 \string\newpage\space at main aux file!\MessageBreak
4480 You have output material at the main aux file.\MessageBreak
4481 Note, that the \string\bidisaved@BeforeClosingMainAux\space commands\MessageBreak
4482 are processed before the output from aux file%
4483 }%
4484 \let\newpage\bidisaved@newpage
4485 \newpage
4486 }%
4487 }%
4488 \renewcommand*{\newpage}{%
4489 \PackageError{%

```



```

4490     biditools%
4491 }{%
4492   \string\newpage\space at \string\bid@BeforeClosingMainAux
4493 }{%
4494   You should never use \string\newpage\space or
4495   \string\clear(double)page or other output material at the\MessageBreak
4496   argument of \string\bid@BeforeClosingMainAux!\MessageBreak
4497   If you'll continue, the \string\newpage\space will be ignored to
4498   avoid corruption of\MessageBreak
4499   every prior use of \string\bid@BeforeClosingMainAux.
4500 }%
4501 }%
4502 }
4503
4504 \newcommand*{\bid@restore@newpage}{}
4505 \newcommand*{\bid@hook@bcma}{}
4506 \newcommand*{\bid@hook@acma}{}
4507 \newcommand*{\bid@BeforeClosingMainAux}{%
4508   \ifx\bid@hook@bcma\@empty
4509     \gdef\bid@hook@bcma{%
4510       \renewcommand*{\bid@BeforeClosingMainAux}[1]{###1}%
4511       \let\protected@write\bid@protected@immediate@write
4512       \bid@redefine@newpage
4513     }%
4514   \fi
4515   \g@addto@macro\bid@hook@bcma%
4516 }
4517
4518 \newcommand*{\bid@AfterReadingMainAux}{%
4519   \ifx\bid@hook@acma\@empty
4520     \gdef\bid@hook@acma{%
4521       \renewcommand*{\bid@AfterReadingMainAux}[1]{###1}%
4522       \let\protected@write\bid@protected@immediate@write
4523     }%
4524   \fi
4525   \g@addto@macro\bid@hook@acma%
4526 }
4527
4528 \long\def\bid@protected@immediate@write#1#2#3{%
4529   \begingroup
4530     #2%
4531     \let\protect\@unexpandable@protect
4532     \edef\reserved@a{\immediate\write#1{#3}}%
4533     \reserved@a
4534   \endgroup
4535   \if@nobreak\ifvmode\nobreak\fi\fi
4536 }
4537
4538 \def\bid@patch@counter{0}%
4539 \if\bid@csundef{numexpr}{%

```





```

4540 \def\ bidi@patch@stepcounter{%
4541   \begingroup
4542     \count@\ bidi@patch@counter\relax
4543     \advance\count@\@ne\relax
4544   \edef\x{\endgroup
4545     \noexpand\def\noexpand\ bidi@patch@counter{\the\count@}%
4546   }%
4547   \x
4548 }%
4549 }%
4550 \def\ bidi@patch@stepcounter{%
4551   \edef\ bidi@patch@counter{%
4552     \the\numexpr\ bidi@patch@counter+\@ne\relax
4553   }%
4554 }%
4555 }
4556 \def\ bidi@patch@list{}
4557 \def\ bidi@patch@Add{%
4558   \ bidi@appto\ bidi@patch@list
4559 }
4560 \def\ bidi@patch@AfterPackage#1{%
4561   \ifpackageloaded{#1}{%
4562     \@firstofone
4563   }{%
4564     \@ bidi@patch@AfterPackage{#1}%
4565   }%
4566 }
4567 \def\@ bidi@patch@AfterPackage#1{%
4568   \edef\ bidi@patch@temp{#1}%
4569   \ bidi@patch@stepcounter
4570   \expandafter\ bidi@patch@@AfterPackage
4571   \csname @ bidi@patch@\ bidi@patch@counter\expandafter\endcsname{%
4572     \ bidi@patch@temp
4573   }%
4574 }
4575 \def\ bidi@patch@@AfterPackage#1#2#3{%
4576   \begingroup
4577     \toks@{#3}%
4578     \xdef\ bidi@patch@gtemp{%
4579       \noexpand\@ifpackageloaded{#2}{%
4580         \noexpand\let\noexpand#1\noexpand\relax
4581         \the\toks@
4582       }{}%
4583     }%
4584   \endgroup
4585   \let#1\ bidi@patch@gtemp
4586   \ bidi@patch@Add#1%
4587   \ bidi@patch@try{ \ bidi@AfterPackage }{#2}#1%
4588 }
4589

```



```

4590 \def\bidipatch@try#1#2#3{%
4591   \if@bidi@csundef{#1}{}{%
4592     \csname #1\endcsname{#2}{#3}%
4593   }%
4594 }
4595
4596 \AtBeginDocument{\bidipatch@list}
4597
4598 \bidipatch@AtEndPreamble{\bidipatch@list}%
4599
4600 \bidipatch@AfterEndPreamble{%
4601   \let\bidipatch@OrgIfPackageLoaded\ifpackageloaded
4602   \let\bidipatch@OrgIfPackageLater\ifpackagelater
4603   \let\bidipatch@OrgIfClassLoaded\ifclassloaded
4604   \let\bidipatch@OrgIfClassLater\ifclasslater
4605   \bidipatch@list
4606   \let\@ifpackageloaded\bidipatch@OrgIfPackageLoaded
4607   \let\@ifpackagelater\bidipatch@OrgIfPackageLater
4608   \let\@ifclassloaded\bidipatch@OrgIfClassLoaded
4609   \let\@ifclasslater\bidipatch@OrgIfClassLater
4610 }%

```

## 22 File bidentuftefloat.sty

```

4611 \NeedsTeXFormat{LaTeX2e}
4612 \ProvidesPackage{bidentuftefloat}[2017/05/19 v0.2
4613 bidi implementation of tufte float]
4614 \RequirePackage{xifthen}
4615 \newcommand{\@bidentuftefloat@pkgname}{bidentuftefloat}
4616 \newcommand{\bidentuftefloatError}[2]{\PackageError{\@bidentuftefloat@pkgname}{#1}{#2}}
4617 \newcommand{\bidentuftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidentuftefloat@debug}}{\bidentuftefloatDebugInfoNL{#1}}{} }
4618 \newcommand{\bidentuftefloatInfoNL}[1]{\PackageInfo{\@bidentuftefloat@pkgname}{#1\@gobble}}
4619 \newboolean{\@bidentuftefloat@reversegeometry}
4620 \setboolean{\@bidentuftefloat@reversegeometry}{false}
4621 \DeclareOption{reversegeometry}{\setboolean{\@bidentuftefloat@reversegeometry}{true}}
4622 \newboolean{\@bidentuftefloat@a4paper}
4623 \DeclareOption{a4paper}{\setboolean{\@bidentuftefloat@a4paper}{true}}
4624 \newboolean{\@bidentuftefloat@b5paper}
4625 \DeclareOption{b5paper}{\setboolean{\@bidentuftefloat@b5paper}{true}}
4626 \newboolean{\@bidentuftefloat@symmetric}
4627 \newboolean{\@bidentuftefloat@twoside}
4628 \DeclareOption{twoside}{%
4629   \@twosidefalse \@mparswitchtrue%
4630   \setboolean{\@bidentuftefloat@twoside}{true}%
4631   \setboolean{\@bidentuftefloat@symmetric}{true}%
4632 }
4633 \DeclareOption{oneside}{%
4634   \@twosidefalse \@mparswitchfalse%
4635   \setboolean{\@bidentuftefloat@twoside}{false}%
4636   \setboolean{\@bidentuftefloat@symmetric}{false}%

```



```

4637 }
4638 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4639 \newboolean{@biditytfloat@debug}
4640 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodetect}
4641 \ProcessOptions
4642 %% Globally sets the length
4643 \newcommand*{\gsetlength}[2]{%
4644   \setlength{#1}{#2}%
4645   \global#1=#1\relax%
4646 }
4647
4648 %% Set the font sizes and baselines to match biditytfloat's books
4649 \renewcommand\normalsize{%
4650   \@setfontsize\normalsize\@xpt{14}%
4651   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4652   \abovedisplayshortskip \z@ \@plus3\p@
4653   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4654   \belowdisplayskip \abovedisplayskip
4655   \let\@listi\@listI}
4656 \normalbaselineskip=14pt
4657 \normalsize
4658 \renewcommand\footnotesize{%
4659   \@setfontsize\footnotesize\@viipt{10}%
4660   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4661   \abovedisplayshortskip \z@ \@plus\p@
4662   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4663   \def\@listi{\leftmargin\leftmarginI
4664             \topsep 3\p@ \@plus\p@ \@minus\p@
4665             \parsep 2\p@ \@plus\p@ \@minus\p@
4666             \itemsep \parsep}%
4667   \belowdisplayskip \abovedisplayskip
4668 }
4669 %% Paragraph indentation and separation for marginal text
4670 \newcommand{\@biditytfloat@margin@par}{%
4671   \setlength{\RaggedRightParindent}{0.5pc}%
4672   \setlength{\JustifyingParindent}{0.5pc}%
4673   \setlength{\parindent}{0.5pc}%
4674   \setlength{\parskip}{0pt}%
4675 }
4676 \RequirePackage{ragged2e}
4677 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
4678 \RequirePackage[letterpaper, right=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginparskip=0.5in]{geometry}
4679 \ifthenelse{\boolean{@biditytfloat@a4paper}}{
4680   {\geometry{a4paper, right=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginparskip=0.5in}}
4681   {}
4682 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}{
4683   {\geometry{paperwidth=176mm, paperheight=250mm, right=14.66mm, top=13.88mm, textwidth=102.66mm, marginparskip=0.5in}}
4684   {}}%
4685 \RequirePackage[letterpaper, left=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginparskip=0.5in]{geometry}
4686 \ifthenelse{\boolean{@biditytfloat@a4paper}}{

```



```

4687 {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginparsep=
4688 {}
4689 \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
4690 {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginparsep=
4691 {}
4692 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4693 {}
4694 {\geometry{asymmetric}}% forces internal LaTeX `twoside'
4695 \setlength\marginparpush{10pt}
4696 %% Font for margin items
4697 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
4698 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
4699 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
4700 \newcommand{\@biditytfloat@justification}{\justifying}%
4701 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4702 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4703 \newboolean{@biditytfloat@changepage}
4704 \IfFileExists{changepage.sty}{%
4705 \biditytfloatDebugInfoNL{Found changepage.sty}
4706 \RequirePackage[strict]{changepage}
4707 \setboolean{@biditytfloat@changepage}{true}
4708 }{%
4709 \biditytfloatDebugInfoNL{Found chngpage.sty}
4710 \RequirePackage[strict]{chngpage}
4711 \setboolean{@biditytfloat@changepage}{false}
4712 }
4713 \newboolean{@biditytfloat@odd@page}
4714 \setboolean{@biditytfloat@odd@page}{true}
4715 \newcommand*{\@biditytfloat@checkoddpager}{%
4716 \checkoddpager%
4717 \ifthenelse{\boolean{@biditytfloat@changepage}}{%
4718 \ifoddpager%
4719 \setboolean{@biditytfloat@odd@page}{true}%
4720 \else%
4721 \setboolean{@biditytfloat@odd@page}{false}%
4722 \fi%
4723 }{%
4724 \ifcpoddpager%
4725 \setboolean{@biditytfloat@odd@page}{true}%
4726 \else%
4727 \setboolean{@biditytfloat@odd@page}{false}%
4728 \fi%
4729 }%
4730 }
4731 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
4732 \newlength{\@biditytfloat@fullwidth}
4733 \newlength{\@biditytfloat@caption@fill}
4734 \newcommand{\biditytfloatRecalculate}{%
4735 \setlength{\@biditytfloat@overhang}{\marginparwidth}
4736 \addtolength{\@biditytfloat@overhang}{\marginparsep}

```



```

4737
4738 \setlength{\@biditytfloat@fullwidth}{\textwidth}
4739 \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
4740 \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
4741
4742 \setlength{\@biditytfloat@caption@fill}{\textwidth}
4743 \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
4744 }
4745 \AtBeginDocument{\@biditytfloatRecalculate}
4746 \RequirePackage{optparams}% provides multiple optional arguments for commands
4747 \RequirePackage{placeins}
4748 \newsavebox{\@biditytfloat@margin@floatbox}
4749 \newenvironment{@biditytfloat@margin@float}[2][-1.2ex]%
4750 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
4751 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
4752 \begin{minipage}{\marginparwidth}%
4753 \@biditytfloat@caption@font%
4754 \def\@capttype{#2}%
4755 \hbox{\vspace*{#1}%
4756 \@biditytfloat@caption@justification%
4757 \@biditytfloat@margin@par%
4758 \noindent%
4759 }
4760 {\end{minipage}%
4761 \end{lrbox}%
4762 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
4763 }
4764 \newenvironment{marginfigure}[1][-1.2ex]%
4765 {\begin{@biditytfloat@margin@float}[#1]{figure}}
4766 {\end{@biditytfloat@margin@float}}
4767 \newenvironment{margintable}[1][-1.2ex]%
4768 {\begin{@biditytfloat@margin@float}[#1]{table}}
4769 {\end{@biditytfloat@margin@float}}
4770 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
4771
4772 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is processed
4773 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
4774 \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}%
4775 {\def\@biditytfloat@float@debug@info{#1}}%
4776 {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
4777 }
4778 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4779 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug@info{setfloatalignment: #1}}
4780 \newboolean{@biditytfloat@float@recto}
4781 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug@info{forcerectofloat}}
4782 \newcommand{\forceversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug@info{forceversofloat}}
4783 \newsavebox{\@biditytfloat@figure@box}
4784 \newsavebox{\@biditytfloat@caption@box}
4785 \let\@biditytfloat@orig@float\@float
4786 \let\@biditytfloat@orig@endfloat\endfloat

```



```

4787 \newlength{\@biditytfloat@caption@vertical@offset}
4788 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
4789 \newcommand{\@biditytfloat@stored@shortcaption}{ }
4790 \newcommand{\@biditytfloat@stored@caption}{ }
4791 \newcommand{\@biditytfloat@stored@label}{ }
4792 \long\def\@biditytfloat@caption[#1][#2]#3{%
4793   \ifthenelse{\isempty{#1}}{%
4794     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
4795     {\gdef\@biditytfloat@stored@shortcaption{#1}}%
4796     \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to low
4797     \gdef\@biditytfloat@stored@caption{#3}%
4798   }
4799 \newcommand{\@biditytfloat@label}[1]{%
4800   \gdef\@biditytfloat@stored@label{#1}%
4801 }
4802 \newcommand{\@biditytfloat@fps}{ }
4803 \newboolean{\@biditytfloat@float@star}
4804 \newlength{\@biditytfloat@float@contents@width}
4805 \newenvironment{\@biditytfloat@float}[3][htbp]%
4806   {% begin \@biditytfloat@float
4807     % Should this float be full-width or just text-width?
4808     \ifthenelse{\equal{#3}{star}}{%
4809       {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
4810       {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
4811       % Check page side (recto/verso) and store detected value -- can be overridden in environmen
4812       \@biditytfloat@checkoddpage%
4813       \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
4814         {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Detect
4815         {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Dete
4816       % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4817       \renewcommand{\@biditytfloat@fps}{#1}%
4818       \@biditytfloat@float@debug{Allowed positions: [ #1 ]}%
4819       \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
4820         {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bott
4821         {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [top]
4822       % Capture the contents of the \caption and \label commands to use later
4823       \global\let\@biditytfloat@orig@caption\caption%
4824       \global\let\@biditytfloat@orig@label\label%
4825       \renewcommand{\caption}{\@optparams{\@biditytfloat@caption}{[ ] [Opt]}}%
4826       \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
4827       % Handle subfigure package compatibility
4828       \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
4829         \bidi@patchcmd{\subfigure}{%
4830           \let\subfig@oldlabel=\label
4831         }{%
4832           \let\subfig@oldlabel=\@biditytfloat@orig@label
4833         }
4834       {}
4835       {}
4836       \let\subtable=\subfigure

```



```

4837 }{}% subfigure package is not loaded
4838 \@biditytfloat@orig@float{#2}[#1]%
4839 \ifthenelse{\boolean{@biditytfloat@float@star}}%
4840   {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4841   {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4842 \begin{lrbox}{\@biditytfloat@figure@box}%
4843 \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{}%
4844 }{}% end @biditytfloat@float
4845 \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% al
4846 \end{minipage}%
4847 \end{lrbox}%
4848 % build the caption box
4849 \begin{lrbox}{\@biditytfloat@caption@box}%
4850 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
4851   \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@capti
4852   \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label{
4853   \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4854 \end{minipage}%
4855 \end{lrbox}%
4856 % now typeset the stored boxes
4857 \begin{fullwidth}%
4858 \begin{minipage}[\floatalignment]{\linewidth}%
4859   \ifthenelse{\boolean{@biditytfloat@float@star}}%
4860     {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4861     {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4862 \end{minipage}%
4863 \end{fullwidth}%
4864 \@biditytfloat@orig@endfloat% end original LaTeX float environment
4865 % output debug info
4866 \ifthenelse{\boolean{@biditytfloat@debug}}{%
4867   \typeout{^^J^^J----- biditytfloat package float information -----}%
4868   \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
4869     {\typeout{Warning: Float unlabeled!}}%
4870     {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4871   \typeout{Page number: [\thepage]}%
4872   \def\MessageBreak{^^J}%
4873   \typeout{\@biditytfloat@float@debug@info}%
4874   \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4875     {\typeout{Symmetric: [true]}}%
4876     {\typeout{Symmetric: [false]}}%
4877   \typeout{-----^^J^^J}%
4878 }{}%
4879 % reset commands and temp boxes and captions
4880 \gdef\@biditytfloat@float@debug@info{}%
4881 \let\caption\@biditytfloat@orig@caption%
4882 \let\label\@biditytfloat@orig@label%
4883 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4884 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4885 \gdef\@biditytfloat@stored@shortcaption{}%
4886 \gdef\@biditytfloat@stored@caption{}%

```



```

4887 \gdef\@biditytfloat@stored@label{}%
4888 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4889 }
4890 \newcommand{\@biditytfloat@float@textwidth}[3][Opt]{%
4891 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}{
4892 % asymmetric or page is odd, so caption is on the right
4893 \hbox{%
4894 \usebox{#2}%
4895 \hspace{\marginparsep}%
4896 \smash{\raisebox{#1}{\usebox{#3}}}%
4897 }
4898 \@biditytfloat@float@debug{Caption position: [right]]}%
4899 }{% symmetric pages and page is even, so caption is on the left
4900 \hbox{%
4901 \smash{\raisebox{#1}{\usebox{#3}}}%
4902 \hspace{\marginparsep}%
4903 \usebox{#2}%
4904 }
4905 \@biditytfloat@float@debug{Caption position: [left]]}%
4906 }%
4907 }
4908 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4909 \ifthenelse{\equal{\floatalignment}{b}}{%
4910 {% place caption above figure
4911 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}{
4912 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{
4913 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{
4914 }{% place caption below figure
4915 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}{
4916 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{
4917 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{
4918 }%
4919 }
4920 \renewenvironment{figure}[1][htbp]{%
4921 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}{#1}{figure}{}}
4922 {\end{@biditytfloat@float}}
4923 \renewenvironment{table}[1][htbp]{%
4924 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}{#1}{table}{}}
4925 {\end{@biditytfloat@float}}
4926 \renewenvironment{figure*}[1][htbp]{%
4927 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}{#1}{figure}{star}}
4928 {\end{@biditytfloat@float}}
4929 \renewenvironment{table*}[1][htbp]{%
4930 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}{#1}{table}{star}}
4931 {\end{@biditytfloat@float}}
4932 \newenvironment{fullwidth}
4933 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4934 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@float@overhang}}%
4935 {\begin{adjustwidth}{-}\@biditytfloat@float@overhang}}%
4936 }%

```





```

4937 {\ifthenelse{\boolean{@biditytfloat@symmetric}}}%
4938 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4939 {\end{adjustwidth}}}%
4940 }
4941 \long\def\@caption#1[#2]#3{%
4942 \par%
4943 \addcontentsline{\csname ext@#1\endcsname}{#1}%
4944 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4945 \begingroup%
4946 \@parboxrestore%
4947 \if@minipage%
4948 \@setminipage%
4949 \fi%
4950 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4951 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4952 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4953 \endgroup}
4954 %%
4955 % Turns newlines into spaces. Based on code from the 'titlesec' package.
4956 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
4957 \@ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
4958 }
4959 \def\@biditytfloat@newlinetospace@i{%
4960 \ifdim\lastskip>\z@ \else \space \fi
4961 \ignorespaces%
4962 }
4963 \DeclareRobustCommand{\newlinetospace}[1]{%
4964 \let\@biditytfloat@orig@cr\\% save the original meaning of \\
4965 \def\\{\@biditytfloat@newlinetospace}% turn \\ and \\* into \space
4966 \let\newline\\% turn \newline into \space
4967 #1%
4968 \let\\ \@biditytfloat@orig@cr% revert to original meaning of \\
4969 }
4970 \RequirePackage{fancyhdr}
4971 \pagestyle{fancy}
4972 \AtBeginDocument{%
4973 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4974 {\fancyhfoffset[LE,RO]{\@biditytfloat@overhang}}
4975 {\fancyhfoffset[RE,RO]{\@biditytfloat@overhang}}
4976 }
4977 % The running heads/feet don't have rules
4978 \renewcommand{\headrulewidth}{0pt}
4979 \renewcommand{\footrulewidth}{0pt}
4980 % The 'fancy' page style is the default style for all pages.
4981 \fancyhf{} % clear header and footer fields
4982 \ifthenelse{\boolean{@biditytfloat@symmetric}}
4983 {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4984 \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}%
4985 {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4986 % The 'plain' page style is used on chapter opening pages.

```



```

4987% In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4988% bottom of pages -- the folios are unexpressed.
4989\fancypagestyle{plain}{
4990  \fancyhf{} % clear header and footer fields
4991  % Uncomment the following five lines of code if you want the opening page
4992  % of the chapter to express the folio in the lower outside corner.
4993  % \ifthenelse{\boolean{@biditytuftefloat@symmetric}}
4994  % {\fancyfoot[LE,RO]{\thepage}}
4995  % {\fancyfoot[RE,RO]{\thepage}}
4996}
4997% The 'empty' page style suppresses all headers and footers.
4998% It's used on title pages and 'intentionally blank' pages.
4999\fancypagestyle{empty}{
5000  \fancyhf{} % clear header and footer fields
5001}
5002\def\morefloats{% provides a total of 52 floats
5003  \ifthenelse{\isundefined{\bx@S}}{%
5004    \biditytuftefloatDebugInfoNL{Adding 34 more float slots.}
5005    \newinsert\bx@S
5006    \newinsert\bx@T
5007    \newinsert\bx@U
5008    \newinsert\bx@V
5009    \newinsert\bx@W
5010    \newinsert\bx@X
5011    \newinsert\bx@Y
5012    \newinsert\bx@Z
5013    \newinsert\bx@a
5014    \newinsert\bx@b
5015    \newinsert\bx@c
5016    \newinsert\bx@d
5017    \newinsert\bx@e
5018    \newinsert\bx@f
5019    \newinsert\bx@g
5020    \newinsert\bx@h
5021    \newinsert\bx@i
5022    \newinsert\bx@j
5023    \newinsert\bx@k
5024    \newinsert\bx@l
5025    \newinsert\bx@m
5026    \newinsert\bx@n
5027    \newinsert\bx@o
5028    \newinsert\bx@p
5029    \newinsert\bx@q
5030    \newinsert\bx@r
5031    \newinsert\bx@s
5032    \newinsert\bx@t
5033    \newinsert\bx@u
5034    \newinsert\bx@v
5035    \newinsert\bx@w
5036    \newinsert\bx@x

```



```

5037 \newinsert\bx@y
5038 \newinsert\bx@z
5039 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
5040 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
5041 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
5042 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
5043 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
5044 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
5045 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
5046 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
5047 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
5048 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
5049 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
5050 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
5051 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
5052 \ifthenelse{isundefined{\bx@AA}}{%
5053 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
5054 \newinsert\bx@AA
5055 \newinsert\bx@BB
5056 \newinsert\bx@CC
5057 \newinsert\bx@DD
5058 \newinsert\bx@EE
5059 \newinsert\bx@FF
5060 \newinsert\bx@GG
5061 \newinsert\bx@HH
5062 \newinsert\bx@II
5063 \newinsert\bx@JJ
5064 \newinsert\bx@KK
5065 \newinsert\bx@LL
5066 \newinsert\bx@MM
5067 \newinsert\bx@NN
5068 \newinsert\bx@OO
5069 \newinsert\bx@PP
5070 \newinsert\bx@QQ
5071 \newinsert\bx@RR
5072 \newinsert\bx@SS
5073 \newinsert\bx@TT
5074 \newinsert\bx@UU
5075 \newinsert\bx@VV
5076 \newinsert\bx@WW
5077 \newinsert\bx@XX
5078 \newinsert\bx@YY
5079 \newinsert\bx@ZZ
5080 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
5081 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
5082 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
5083 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
5084 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
5085 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
5086 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e

```



```

5087 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
5088 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
5089 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
5090 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
5091 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
5092 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
5093 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
5094 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
5095 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
5096 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
5097 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
5098 }{%
5099 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageB
5100 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\
5101 }%
5102 }%
5103 }
5104 \newboolean{@biditytfloat@packages@subfigure}
5105 \setboolean{@biditytfloat@packages@subfigure}{false}
5106 \AtBeginDocument{%
5107 \ifpackageloaded{subfigure}
5108 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
5109 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
5110 }
5111 \AtBeginDocument{%
5112 \ifpackageloaded{float}{%
5113 % Save the redefined float environment (instead of the LaTeX float environment)
5114 \let\@biditytfloat@orig@float\@float
5115 \let\@biditytfloat@orig@endfloat\endfloat
5116
5117 % Define Tuftian float styles (with the caption in the margin)
5118 \newcommand{\floatc@biditytfloatplain}[2]{%
5119 \begin{lrbox}{\@biditytfloat@caption@box}%
5120 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
5121 \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
5122 \end{minipage}%
5123 \end{lrbox}%
5124 \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
5125 }
5126 \newcommand{\fs@biditytfloatplain}{%
5127 \def\@fs@cfont{\@biditytfloat@caption@font}%
5128 \let\@fs@capt\floatc@biditytfloatplain%
5129 \def\@fs@pre{}%
5130 \def\@fs@post{}%
5131 \def\@fs@mid{}%
5132 \let\@fs@iftopcapt\iftrue%
5133 }
5134 \let\fs@biditytfloatplain\fs@biditytfloatplain
5135 \let\floatc@biditytfloatplain\floatc@biditytfloatplain
5136 \newcommand\floatc@biditytfloatruled[2]{%

```



```

5137     {\@fs@cfont #1} #2\par%
5138 }
5139 \newcommand\fs@bidituftefloatruled{%
5140   \def\@fs@cfont{\@bidituftefloat@caption@font}%
5141   \let\@fs@capt\floatc@bidituftefloatplain%
5142   \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
5143   \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
5144   \def\@fs@mid{}%
5145   \let\@fs@iftopcapt\iftrue%
5146 }
5147 \newcommand\fs@bidituftefloatboxed{%
5148   \def\@fs@cfont{}%
5149   \let\@fs@capt\floatc@bidituftefloatplain%
5150   \def\@fs@pre{%
5151     \setbox\@currbox\vbox{\hbadness10000
5152       \moveleft3.4pt\vbox{\advance\hsize by6.8pt
5153         \hrule \hbox to\hsize{\vrule\kern3pt
5154           \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
5155   }%
5156   \def\@fs@mid{\kern2pt}%
5157   \def\@fs@post{}%
5158   \let\@fs@iftopcapt\iftrue%
5159 }
5160 }{%
5161   % Nothing to do
5162 }
5163 }
5164 \AtBeginDocument{%
5165   \@ifpackageloaded{algorithm}{%
5166     % Set the float style to the Tufte version
5167     \ifthenelse{\equal{\ALG@floatstyle}{plain}}{\OR\equal{\ALG@floatstyle}{ruled}}{\OR\equal{\ALG@floatstyle}{tufte}}{
5168       \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
5169         \floatstyle{bidituftefloat\ALG@floatstyle}%
5170         \restylefloat{algorithm}%
5171       }{%
5172     }{%
5173       % Nothing to do
5174     }
5175   }
5176 \PassOptionsToPackage{caption=false}{subfig}

```

## 23 File bidituftesidenote.sty

```

5177 \NeedsTeXFormat{LaTeX2e}
5178 \ProvidesPackage{bidituftesidenote}[2017/08/09 v0.4
5179 bidi implementation of tufte sidenote]
5180 \RequirePackage{xifthen}
5181 \RequirePackage{ragged2e}
5182 \RequirePackage{setspace}
5183 \RequirePackage{biditools}

```



```

5184 \def\bidituftesidenotemarginpar{%
5185   \ifhmode
5186     \@bsphack
5187     \@floatpenalty -\@Mii
5188   \else
5189     \@floatpenalty-\@Miii
5190   \fi
5191   \ifinner
5192     \@parmoderr
5193     \@floatpenalty\z@
5194   \else
5195     \@next\@currbox\@freelist{}\}%
5196     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5197     {\@floatpenalty\z@
5198      \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
5199   \fi
5200   \ifnextchar [\@bidituftesidenotexmpar\@bidituftesidenoteympar}
5201 \long\def\@bidituftesidenotexmpar[#1]#2{%
5202   \@bidituftesidenotesavemarbox\@marbox{#1}%
5203   \@bidituftesidenotesavemarbox\@currbox{#2}%
5204   \@xympar}
5205 \long\def\@bidituftesidenoteympar#1{%
5206   \@bidituftesidenotesavemarbox\@marbox{#1}%
5207   \global\setbox\@currbox\copy\@marbox
5208   \@xympar}
5209 \long\def \@bidituftesidenotesavemarbox #1#2{%
5210   \global\setbox #1%
5211     \color@vbox
5212     \vtop{%
5213       \hsize\marginparwidth
5214       \@parboxrestore
5215       \@bidituftesidenotemarginparreset
5216       #2%
5217       \@minipagefalse
5218       \outer@nobreak
5219     }%
5220   \color@endbox
5221 }
5222 \def \@bidituftesidenotemarginparreset {%
5223   \reset@font
5224   \normalsize
5225   \@minipagetrue
5226   \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
5227 }
5228 \def\LTRbidituftesidenotemarginpar{%
5229   \ifhmode
5230     \@bsphack
5231     \@floatpenalty -\@Mii
5232   \else
5233     \@floatpenalty-\@Miii

```



```

5234 \fi
5235 \ifinner
5236 \@parmoderr
5237 \@floatpenalty\z@
5238 \else
5239 \@next\@currbox\@freelist{}{}%
5240 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5241 {\@floatpenalty\z@
5242 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5243 \fi
5244 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
5245 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
5246 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
5247 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
5248 \@xympar}
5249 \long\def\@LTRbidityftesidenoteympar#1{%
5250 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
5251 \global\setbox\@currbox\copy\@marbox
5252 \@xympar}
5253 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
5254 \global\setbox #1%
5255 \color@vbox
5256 \vtop{%
5257 \hsize\marginparwidth
5258 \@parboxrestore
5259 \@LTRbidityftesidenotemarginparreset
5260 #2%
5261 \@minipagefalse
5262 \outer@nobreak
5263 }%
5264 \color@endbox
5265 }
5266 \def \@LTRbidityftesidenotemarginparreset {%
5267 \reset@font
5268 \normalsize
5269 \@minipagetrue
5270 \everypar{\@minipagefalse\everypar{}\beginL}%
5271 }
5272 \def\RTLbidityftesidenotemarginpar{%
5273 \ifhmode
5274 \@bsphack
5275 \@floatpenalty -\@Mii
5276 \else
5277 \@floatpenalty-\@Miii
5278 \fi
5279 \ifinner
5280 \@parmoderr
5281 \@floatpenalty\z@
5282 \else
5283 \@next\@currbox\@freelist{}{}%

```



```

5284 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5285 {\@floatpenalty\z@
5286 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5287 \fi
5288 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
5289 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
5290 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
5291 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
5292 \@xympar}
5293 \long\def\@RTLbidityftesidenoteympar#1{%
5294 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
5295 \global\setbox\@currbox\copy\@marbox
5296 \@xympar}
5297 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
5298 \global\setbox #1%
5299 \color@vbox
5300 \vtop{%
5301 \hsize\marginparwidth
5302 \@parboxrestore
5303 \@RTLbidityftesidenotemarginparreset
5304 #2%
5305 \@minipagefalse
5306 \outer@nobreak
5307 }%
5308 \color@endbox
5309 }
5310 \def \@RTLbidityftesidenotemarginparreset {%
5311 \reset@font
5312 \normalsize
5313 \@minipagetrue
5314 \everypar{\@minipagefalse\everypar{}\beginR}%
5315 }
5316 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
5317 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
5318 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
5319 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
5320 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
5321 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@RTLmarginfont}
5322 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
5323 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
5324 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
5325 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
5326 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
5327 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
5328 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
5329 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
5330 \newcommand*{\setRTLsidenote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLsidenote@font}{#1}}
5331 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
5332 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}{#1}}
5333 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}{#1}}

```





```

5334 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
5335 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
5336 \newcommand*{\setRTLcitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
5337 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@aut}
5338 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@aut}
5339 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@aut}
5340 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
5341 \newcommand{\@bidityftesidenote@margin@par}{%
5342   \setlength{\RaggedRightParindent}{0.5pc}%
5343   \setlength{\JustifyingParindent}{0.5pc}%
5344   \setlength{\parindent}{0.5pc}%
5345   \setlength{\parskip}{0pt}%
5346 }
5347 %%
5348 % Globally sets the length
5349 \@ifundefined{gsetlength}{%
5350 \newcommand*{\gsetlength}[2]{%
5351   \setlength{#1}{#2}%
5352   \global#1=#1\relax%
5353 }%
5354 }{}
5355
5356 %%
5357 % A function that removes leading and trailing spaces from the supplied macro.
5358 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
5359 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
5360 % being trimmed of leading and trailing white space.
5361 \catcode\Q=3
5362 \def\@bidityftesidenote@trim@spaces#1{%
5363   % Use grouping to emulate a multi-token afterassignment queue
5364   \begingroup%
5365   % Put \toks 0 {' into the afterassignment queue
5366   \aftergroup\toks\aftergroup0\aftergroup{%
5367     % Apply \trimb to the replacement text of #1, adding a leading
5368     % \noexpand to prevent brace stripping and to serve another purpose
5369     % later.
5370     \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
5371     % Transfer the trimmed text back into #1.
5372     \edef#1{\the\toks0}%
5373 }
5374 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
5375 % clean up any leftover bizarre Qs, and trim a leading space. In
5376 % order for \trimc to work properly we need to put back a Q first.
5377 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
5378 % Execute \vfuzz assignment to remove leading space; the \noexpand
5379 % will now prevent unwanted expansion of a macro or other expandable
5380 % token at the beginning of the trimmed text. The \endgroup will feed
5381 % in the \aftergroup tokens after the \vfuzz assignment is completed.
5382 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
5383 \catcode\Q=11

```



```

5384%%
5385% Citations should go in the margin as sidenotes
5386
5387\RequirePackage{natbib}
5388\RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography envi
5389% Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
5390\renewcommand\BR@b@bibitem[2] [] {%
5391  \ifthenelse{\isempty{#1}}{%
5392    {\BR@bibitem{#2}}%
5393    {\BR@bibitem[#1]{#2}}%
5394  \BR@c@bibitem{#2}%
5395 }
5396\bid@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
5397%%
5398% Normal \cite behavior
5399\newcounter{@bidituftesidenote@num@bibkeys}%
5400\newcommand{\@bidituftesidenote@normal@cite}[2] [Opt] {%
5401  % Snag the last bibentry in the list for later comparison
5402  \let\@temp@last@bibkey\@empty%
5403  \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5404  \sidenote[] [#1] {%
5405    % Loop through all the bibentries, separating them with semicolons and spaces
5406    \normalsize\normalfont\@bidituftesidenote@citation@font%
5407    \setcounter{@bidituftesidenote@num@bibkeys}{0}%
5408    \@for\@temp@bibkeyx:=#2\do{%
5409      \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5410        {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
5411          \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5412          \bibentry{\@temp@bibkeyx}}%
5413        {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5414          \bibentry{\@temp@bibkeyx};\ }%
5415      \stepcounter{@bidituftesidenote@num@bibkeys}%
5416    }%
5417  }%
5418 }
5419\newcommand{\@bidituftelTRSidenote@normal@cite}[2] [Opt] {%
5420  % Snag the last bibentry in the list for later comparison
5421  \let\@temp@last@bibkey\@empty%
5422  \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5423  \LTRsidenote[] [#1] {%
5424    % Loop through all the bibentries, separating them with semicolons and spaces
5425    \normalsize\normalfont\@bidituftesidenote@LTRcitation@font%
5426    \setcounter{@bidituftesidenote@num@bibkeys}{0}%
5427    \@for\@temp@bibkeyx:=#2\do{%
5428      \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5429        {\ifthenelse{\equal{\value{@bidituftesidenote@num@bibkeys}}{0}}{\and\ }%
5430          \@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5431          \bibentry{\@temp@bibkeyx}}%
5432        {\@bidituftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5433          \bibentry{\@temp@bibkeyx};\ }%

```



```

5434 \stepcounter{@bidityftesidenote@num@bibkeys}%
5435 }%
5436 }%
5437 }
5438 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
5439 % Snag the last bibentry in the list for later comparison
5440 \let\@temp@last@bibkey\@empty%
5441 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5442 \RTLsidenote[][#1]{%
5443 % Loop through all the bibentries, separating them with semicolons and spaces
5444 \normalsize\normalfont\@bidityftesidenote@citation@font%
5445 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5446 \@for\@temp@bibkeyx:=#2\do{%
5447 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5448 {ifthenelse{equal{value{@bidityftesidenote@num@bibkeys}}{0}}{and\ }%
5449 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5450 \bibentry{\@temp@bibkeyx}}%
5451 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5452 \bibentry{\@temp@bibkeyx};\ }%
5453 \stepcounter{@bidityftesidenote@num@bibkeys}%
5454 }%
5455 }%
5456 }
5457 %%
5458 % Macros for holding the list of cite keys until after the \sidenote
5459 \gdef\@bidityftesidenote@citations{}% list of cite keys
5460 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
5461 \ifx\@bidityftesidenote@citations\@empty\else
5462 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
5463 \fi
5464 \g@addto@macro\@bidityftesidenote@citations{#1}
5465 }
5466 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
5467 % Snag the last bibentry in the list for later comparison
5468 \let\@temp@last@bibkey\@empty%
5469 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
5470 \marginpar{%
5471 \hbox{\vspace*{#1}}%
5472 \@bidityftesidenote@citation@font%
5473 \@bidityftesidenote@citation@justification%
5474 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5475 \vspace*{-1\baselineskip}%
5476 % Loop through all the bibentries, separating them with semicolons and spaces
5477 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5478 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
5479 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5480 {ifthenelse{equal{value{@bidityftesidenote@num@bibkeys}}{0}}{and\ }%
5481 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5482 \bibentry{\@temp@bibkeyx}}%
5483 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey

```



```

5484         \bibentry{\@temp@bibkeyx};\ }%
5485         \stepcounter{@bidityftesidenote@num@bibkeys}%
5486     }%
5487 }%
5488 }
5489 %%
5490 % \cite behavior when executed within a sidenote
5491 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
5492 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
5493     \@bidityftesidenote@add@citation{#1}
5494 }
5495 %%
5496 % Set the default \cite style. This is set and reset by the \sidenote command.
5497 \let\cite\@bidityftesidenote@normal@cite
5498 \let\LTRcite\@bidityftelTRsidenote@normal@cite
5499 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
5500 %%
5501 % Transform existing \footnotes into \sidenotes
5502 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
5503 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5504 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}%
5505 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}%
5506 % Override footmisc's definition to set the sidenote marks (numbers) inside the
5507 % sidenote's text block.
5508 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnintext#1{\@textsuperscript{\@bidityftesidenote@sidenote@font}%
5509 % Set the in-text footnote mark in the same typeface as the body text itself.
5510 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@sidenote@font}%
5511 \providecommand*{\multiplefootnotemarker}{3sp}
5512 \providecommand*{\multfootsep}{,}
5513 \bidi@patch@AfterPackage{bidi}{%
5514 \renewcommand{\@footnotemark}{%
5515     \leavevmode%
5516     \ifhmode%
5517         \edef\x@sf{\the\spacefactor}%
5518         \@bidityftesidenote@check@multiple@sidenotes%
5519         \nobreak%
5520     \fi%
5521     \@makefnmark%
5522     \ifhmode\spacefactor\x@sf\fi%
5523     \relax%
5524 }%
5525 }
5526 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
5527     \ifdim\lastkern=\multiplefootnotemarker\relax%
5528         \edef\x@sf{\the\spacefactor}%
5529         \unkern%
5530         \textsuperscript{\multfootsep}%
5531         \spacefactor\x@sf\relax%
5532     \fi
5533 }

```



```

5534 \bidi@patch@AfterPackage{bidi}{%
5535 \renewcommand\@footnotetext[2][Opt]{%
5536   \bidityftesidenotemarginpar{%
5537     \hbox{}\vspace*{#1}%
5538     \def\baselinestretch {\setspace@singlespace}%
5539     \reset@font%
5540     \bidi@footnotetext@font% \reset@font\footnotesize%
5541     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5542     \vspace*{-1\baselineskip}\noindent%
5543     \protected@edef\@currentlabel{%
5544       \csname p@footnote\endcsname\@thefnmark%
5545     }%
5546     \color@begingroup%
5547       \@makefntext{%
5548         \ignorespaces#2%
5549       }%
5550     \color@endgroup%
5551   }%
5552 }%
5553 \renewcommand\@LTRfootnotetext[2][Opt]{%
5554   \LTRbidityftesidenotemarginpar{%
5555     \hbox{}\vspace*{#1}%
5556     \def\baselinestretch {\setspace@singlespace}%
5557     \reset@font%
5558     \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5559     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5560     \vspace*{-1\baselineskip}\noindent%
5561     \protected@edef\@currentlabel{%
5562       \csname p@footnote\endcsname\@thefnmark%
5563     }%
5564     \color@begingroup%
5565       \@makefntext{%
5566         \ignorespaces#2%
5567       }%
5568     \color@endgroup%
5569   }%
5570 }%
5571 \renewcommand\@RTLfootnotetext[2][Opt]{%
5572   \RTLbidityftesidenotemarginpar{%
5573     \hbox{}\vspace*{#1}%
5574     \def\baselinestretch {\setspace@singlespace}%
5575     \reset@font%
5576     \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5577     \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5578     \vspace*{-1\baselineskip}\noindent%
5579     \protected@edef\@currentlabel{%
5580       \csname p@footnote\endcsname\@thefnmark%
5581     }%
5582     \color@begingroup%
5583       \@makefntext{%

```



```

5584         \ignorespaces#2%
5585     }%
5586     \color@endgroup%
5587 }%
5588 }%
5589 }
5590 %
5591 % Define \sidenote command. Can handle \cite.
5592 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
5593 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
5594 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5595 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
5596     \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
5597     \gdef\@bidityftesidenote@citations{}%            clear out any old citations
5598     \ifthenelse{NOT\isempty{#2}}{%
5599         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5600     }{%
5601         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5602     }%
5603     \ifthenelse{\isempty{#1}}{%
5604         % no specific footnote number provided
5605         \stepcounter\@mpfn%
5606         \protected@xdef\@thefnmark{\thempfn}%
5607         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5608     }{%
5609         % specific footnote number provided
5610         \beginngroup%
5611             \csname c@\@mpfn\endcsname #1\relax%
5612             \unrestored@protected@xdef\@thefnmark{\thempfn}%
5613         \endgroup%
5614         \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5615     }%
5616     \@bidityftesidenote@print@citations%              print any citations
5617     \let\cite\@bidityftesidenote@normal@cite%         go back to using normal in-text \cite command
5618     \let\LTRcite\@bidityfteLTRsidenote@normal@cite%   go back to using normal in-text \LTRcite
5619     \let\RTLcite\@bidityfteRTLSidenote@normal@cite%   go back to using normal in-text \RTLcite
5620     \unskip\ignorespaces%                             remove extra white space
5621     \kern-\multiplefootnotemarker%                   remove \kern left behind by sidenote
5622     \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5623 }
5624 \long\def\LTRbidityftesidenote@sidenote[#1][#2]#3{%
5625     \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
5626     \gdef\@bidityftesidenote@citations{}%            clear out any old citations
5627     \ifthenelse{NOT\isempty{#2}}{%
5628         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5629     }{%
5630         \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5631     }%
5632     \ifthenelse{\isempty{#1}}{%
5633         % no specific footnote number provided

```



```

5634 \stepcounter\@mpfn%
5635 \protected@xdef\@thefnmark{\thempfn}%
5636 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5637 }{%
5638 % specific footnote number provided
5639 \begingroup%
5640 \csname c@\@mpfn\endcsname #1\relax%
5641 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5642 \endgroup%
5643 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5644 }%
5645 \@bidityftesidenote@print@citations% print any citations
5646 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5647 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5648 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5649 \unskip\ignorespaces% remove extra white space
5650 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5651 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5652 }
5653 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5654 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5655 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5656 \ifthenelse{\NOT\isempty{#2}}{%
5657 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5658 }{%
5659 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5660 }%
5661 \ifthenelse{\isempty{#1}}{%
5662 % no specific footnote number provided
5663 \stepcounter\@mpfn%
5664 \protected@xdef\@thefnmark{\thempfn}%
5665 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5666 }{%
5667 % specific footnote number provided
5668 \begingroup%
5669 \csname c@\@mpfn\endcsname #1\relax%
5670 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5671 \endgroup%
5672 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5673 }%
5674 \@bidityftesidenote@print@citations% print any citations
5675 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5676 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5677 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5678 \unskip\ignorespaces% remove extra white space
5679 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5680 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5681 }
5682 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
5683 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}

```



```

5684 \newcommand{\RTLsidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
5685 \bidi@patch@AfterPackage{bidi}{%
5686 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
5687 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
5688 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
5689 }
5690 %%
5691 % Sidenote without the footnote mark
5692 \newcommand\marginnote[2] [Opt]{%
5693 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5694 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5695 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@font
5696 \@bidityftesidenote@print@citations% print any citations
5697 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5698 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5699 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5700 }
5701 \newcommand\LTRmarginnote[2] [Opt]{%
5702 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5703 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5704 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@bidityftesidenote@font
5705 \@bidityftesidenote@print@citations% print any citations
5706 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5707 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5708 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5709 }
5710 \newcommand\RTLmarginnote[2] [Opt]{%
5711 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5712 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5713 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@bidityftesidenote@font
5714 \@bidityftesidenote@print@citations% print any citations
5715 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5716 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5717 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5718 }

```

## 24 File bidityftetoc.sty

```

5719 \NeedsTeXFormat{LaTeX2e}
5720 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5721 bidi implementation of tufte toc]
5722 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5723 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5724 \newcommand{\bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5725 %%
5726 % Turn off section numbering
5727 \setcounter{secnumdepth}{-1}
5728 \newboolean{\@bidityftetoc@toc}
5729 \setboolean{\@bidityftetoc@toc}{true}
5730 \DeclareOption{notoc}{\setboolean{\@bidityftetoc@toc}{false}}

```





```

5731 \DeclareOption{toc}{\setboolean{@biditytetoc@toc}{true}}
5732 \ProcessOptions
5733 %%
5734 % Make Tuftean-style section headings and TOC formatting
5735 \bidity@patch@AfterPackage{bidity}{%
5736 \titleformat{\chapter}%
5737   [display]% shape
5738   {\relax\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\begin{fullwidth}}{}}% format applied to label+text
5739   {\itshape\huge\thechapter}% label
5740   {0pt}% horizontal separation between label and title body
5741   {\huge\rmfamily\itshape}% before the title body
5742   [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}}% after the title body
5743 \titleformat{\section}%
5744   [hang]% shape
5745   {\normalfont\Large\itshape}% format applied to label+text
5746   {\thesection}% label
5747   {1em}% horizontal separation between label and title body
5748   {}% before the title body
5749   []% after the title body
5750 \titleformat{\subsection}%
5751   [hang]% shape
5752   {\normalfont\large\itshape}% format applied to label+text
5753   {\thesubsection}% label
5754   {1em}% horizontal separation between label and title body
5755   {}% before the title body
5756   []% after the title body
5757 \titleformat{\paragraph}%
5758   [runin]% shape
5759   {\normalfont\itshape}% format applied to label+text
5760   {\theparagraph}% label
5761   {1em}% horizontal separation between label and title body
5762   {}% before the title body
5763   []% after the title body
5764 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5765 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5766 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5767 }
5768 % Subsubsection and following section headings shouldn't be used.
5769 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5770 \renewcommand\subsubsection{%
5771   \biditytetocError{\noexpand\subsubsection is undefined by this class.%
5772     \MessageBreak See Robert Bringhurst's _The Elements of
5773     \MessageBreak Typographic Style_, section 4.2.2.
5774     \MessageBreak \noexpand\subsubsection was used}
5775   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5776     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the man
5777     \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5778 }
5779 \renewcommand\subparagraph{%
5780   \biditytetocError{\noexpand\subparagraph is undefined by this class.%

```



```

5781 \MessageBreak See Robert Bringhurst's _The Elements of
5782 \MessageBreak Typographic Style_, section 4.2.2.
5783 \MessageBreak \noexpand\subparagraph was used}
5784 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5785 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the ma
5786 \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
5787 }
5788 % Formatting for main TOC (printed in front matter)
5789 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5790 \ifthenelse{\boolean{@biditytetoc@toc}}{%
5791 \bidi@patch@AfterPackage{bidi}{%
5792 \titlecontents{part}% FIXME
5793 [0em] % distance from left margin
5794 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5795 {\contentslabel{2em}} % before w/label (label = ``II'')
5796 {} % before w/o label
5797 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5798 [\end{fullwidth}] % after
5799 \titlecontents{chapter}%
5800 [0em] % distance from left margin
5801 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5802 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5803 {\hspace*{0em}} % before w/o label
5804 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5805 [\end{fullwidth}] % after
5806 \titlecontents{section}% FIXME
5807 [0em] % distance from left margin
5808 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5809 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5810 {\hspace*{2em}} % before w/o label
5811 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5812 [\end{fullwidth}] % after
5813 \titlecontents{subsection}% FIXME
5814 [0em] % distance from left margin
5815 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5816 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5817 {\hspace*{4em}} % before w/o label
5818 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5819 [\end{fullwidth}] % after
5820 \titlecontents{paragraph}% FIXME
5821 [0em] % distance from left margin
5822 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global fo
5823 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5824 {\hspace*{6em}} % before w/o label
5825 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5826 [\end{fullwidth}] % after
5827 }%
5828 }{}
5829 %%
5830 % Format lists of figures/tables

```



```

5831 \renewcommand\listoffigures{%
5832   \ifundefined{chapter}%
5833     {\section*{\listfigurename}}%
5834     {\chapter*{\listfigurename}}%
5835 %   \begin{fullwidth}%
5836 %     \@starttoc{lof}%
5837 %   \end{fullwidth}%
5838 }
5839 \renewcommand\listoftables{%
5840   \ifundefined{chapter}%
5841     {\section*{\listtablename}}%
5842     {\chapter*{\listtablename}}%
5843 %   \begin{fullwidth}%
5844 %     \@starttoc{lot}%
5845 %   \end{fullwidth}%
5846 }
5847 \newcommand{\@bidityfttoc@lof@line}[2]{%
5848   % #1 is the figure/table number and its caption text
5849   % #2 is the page number on which the figure/table appears
5850   \leftskip 0.0em
5851   \rightskip 0em
5852   \parfillskip 0em plus 1fil
5853   \parindent 0.0em
5854   \@afterindenttrue
5855   \interlinepenalty\@M
5856   \leavevmode
5857   \@tempdima 2.0em
5858   \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5859   \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
5860   {#1}\nobreak\quad\nobreak#2%
5861   \par%
5862 }
5863 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
5864 \let\l@table\l@figure

```

## 25 File bidityftgeneralstructure.sty

```

5865 \NeedsTeXFormat{LaTeX2e}
5866 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5867 bidi implementation of tufte general structure]
5868 \renewcommand\small{%
5869   \@setfontsize\small\@ixpt{12}%
5870   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5871   \abovedisplayshortskip \z@ \@plus2\p@
5872   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5873   \def\@listi{\leftmargin\leftmargini
5874     \topsep 4\p@ \@plus2\p@ \@minus2\p@
5875     \parsep 2\p@ \@plus\p@ \@minus\p@
5876     \itemsep \parsep}%
5877   \belowdisplayskip \abovedisplayskip

```



```

5878 }
5879 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5880 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5881 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5882 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
5883 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5884 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5885 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5886 \setlength\leftmargini {1pc}
5887 \setlength\leftmarginii {1pc}
5888 \setlength\leftmarginiii {1pc}
5889 \setlength\leftmarginiv {1pc}
5890 \setlength\leftmarginv {1pc}
5891 \setlength\leftmarginvi {1pc}
5892 \setlength\labelsep {.5pc}
5893 \setlength\labelwidth {\leftmargini}
5894 \addtolength\labelwidth{-\labelsep}
5895 \setlength{\parindent}{1.0pc}%
5896 \setlength{\parskip}{0pt}%
5897 \RequirePackage{ragged2e}
5898 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
5899 % Paragraph indentation and separation for normal text
5900 \newcommand{\@biditytgeneralstructure@reset@par}{%
5901 \setlength{\RaggedRightParindent}{1.0pc}%
5902 \setlength{\JustifyingParindent}{1.0pc}%
5903 \setlength{\parindent}{1pc}%
5904 \setlength{\parskip}{0pt}%
5905 }
5906 \@biditytgeneralstructure@reset@par
5907 % Require paralist package for tighter lists
5908 \RequirePackage{paralist}
5909 % Add rightmargin to compactenum
5910 \def\@compactenum{%
5911 \expandafter\list\csname label\@enumctr\endcsname{%
5912 \usecounter{\@enumctr}%
5913 \rightmargin=2em% added this
5914 \parsep\plparsep
5915 \itemsep\plitemsep
5916 \topsep\pltopsep
5917 \partopsep\plpartopsep
5918 \def\makelabel##1{\hss\llap{##1}}}}
5919 %%
5920 % An environment for paragraph-style section
5921 \providecommand\newthought[1]{%
5922 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5923 \noindent\textbf{#1}%
5924 }
5925 %%
5926 % Redefine the display environments (quote, quotation, etc.)
5927 \renewenvironment{verse}

```



```

5928         {\let\\\@centercr
5929         \list{}\{\itemsep      \z@
5930             \itemindent    -1pc%
5931             \listparindent\itemindent
5932             \rightmargin \leftmargin
5933             \advance\leftmargin 1pc}%
5934         \small%
5935         \item\relax}
5936     {\endlist}
5937 \renewenvironment{quotation}
5938     {\list{}\{\listparindent 1pc%
5939         \itemindent    \listparindent
5940         \rightmargin \leftmargin
5941         \parsep      \z@ \@plus\p@}%
5942     \small%
5943     \item\relax\noindent\ignorespaces}
5944 {\endlist}
5945 \renewenvironment{quote}
5946     {\list{}\{\rightmargin\leftmargin}%
5947     \small%
5948     \item\relax}
5949 {\endlist}
5950 % Italicize description run-in headings (instead of the default bold)
5951 \renewcommand*{\descriptionlabel[1]}{\hspace\labelsep\normalfont\em #1}
5952 %%
5953 % Redefine \bibsection to not mark the running heads.
5954 % (Code modified from natbib.sty.)
5955 \@ifundefined{chapter}%
5956     {\renewcommand\bibsection{\section*{\refname}}}
5957     {\@ifundefined{NAT@sectionbib}%
5958         {\renewcommand\bibsection{\chapter{\bibname}}}
5959         {\renewcommand\bibsection{\section*{\bibname}}}}
5960 \RequirePackage{multicol}
5961 \renewenvironment{theindex}{%
5962 \@ifundefined{chapter}%
5963     {\section*{\indexname}}%
5964     {\chapter{\indexname}}%
5965 \begin{fullwidth}%
5966 \small%
5967 \parskip0pt%
5968 \parindent0pt%
5969 \let\item\@idxitem%
5970 \begin{multicols}{3}%
5971 }{%
5972 \end{multicols}%
5973 \end{fullwidth}%
5974 }
5975 \AtBeginDocument{%
5976 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5977 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%

```



```

5978 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}
5979 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5980 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

## 26 File `bidituftehyperref.sty`

```

5981 \NeedsTeXFormat{LaTeX2e}
5982 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5983 bidi implementation of tufte hyperref]
5984 %%
5985 % Color
5986 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5987 \newboolean{@bidituftehyperref@loadhyper}
5988 \setboolean{@bidituftehyperref@loadhyper}{true}
5989 \DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
5990 \DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
5991 \ProcessOptions
5992 %% Loads the hyperref package and sets some default options.
5993 \newcommand{\bidituftehyperrefLoadHyperref}{%
5994 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5995 \hypersetup{%
5996     bookmarksdepth = section,
5997     citecolor = DarkGreen,
5998     linkcolor = DarkBlue,
5999 %     pagecolor = DarkBlue,
6000     urlcolor = DarkGreen,
6001 }%
6002 }
6003 \ifthenelse{\boolean{@bidituftehyperref@loadhyper}}{%
6004 \bidituftehyperrefLoadHyperref%
6005 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
6006 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
6007 }

```

## 27 File `bidituftetitle.sty`

```

6008 \NeedsTeXFormat{LaTeX2e}
6009 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
6010 bidi implementation of tufte title]
6011 \RequirePackage{biditools}
6012 %%
6013 % `titlepage' option -- creates a full title page with \maketitle
6014 \newboolean{@bidituftetitle@titlepage}
6015 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
6016 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
6017 % Default `book' and `handout' options
6018 \ifclassloaded{book}{%
6019 \ExecuteOptions{titlepage}}{%
6020 \ifclassloaded{article}{%
6021 \ExecuteOptions{notitlepage}}%

```



```

6022 {}
6023 \ProcessOptions
6024 %%
6025 % Modified \title, \author, and \date commands. These store the
6026 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
6027 \newcommand{\plaintitle}{}% plain-text-only title
6028 \newcommand{\plainauthor}{}% plain-text-only author
6029 \newcommand{\plainpublisher}{}% plain-text-only publisher
6030 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
6031 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
6032 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
6033 \newcommand{\@publisher}{}% full publisher with \thanks{}
6034 \newcommand{\thedata}{\today}
6035 \bidi@patch@AfterPackage{bidi}{%
6036 \renewcommand{\thanks}[1]{\footnote{#1}}
6037 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
6038 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
6039 }
6040 \renewcommand{\title}[2][]{%
6041 \gdef\@title{#2}%
6042 \begingroup%
6043 % TODO store contents of \thanks command
6044 \renewcommand{\thanks}[1]{}% swallow \thanks contents
6045 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6046 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6047 \protected@xdef\thanklesstitle{#2}%
6048 \endgroup%
6049 \ifthenelse{\isempty{#1}}%
6050 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
6051 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
6052 \@ifundefined{hypersetup}%
6053 {}% hyperref is not loaded; do nothing
6054 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
6055 }
6056 \let\@author\empty% suppress default latex.ltx ``no author'' warning
6057 \renewcommand{\author}[2][]{%
6058 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
6059 \begingroup%
6060 % TODO store contents of \thanks command
6061 \renewcommand{\thanks}[1]{}% swallow \thanks contents
6062 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6063 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6064 \protected@xdef\thanklessauthor{#2}%
6065 \endgroup%
6066 \ifthenelse{\isempty{#1}}%
6067 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
6068 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
6069 \@ifundefined{hypersetup}%
6070 {}% hyperref is not loaded; do nothing
6071 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author

```



```

6072 }
6073 \renewcommand{\date}[1]{%
6074   \gdef\@date{#1}%
6075   \begingroup%
6076     % TODO store contents of \thanks command
6077     \renewcommand{\thanks}[1]{}% swallow \thanks contents
6078     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6079     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6080     \protected@xdef\thedata{#1}%
6081   \endgroup%
6082 }
6083 %%
6084 % Provides a \publisher command to set the publisher
6085 \newcommand{\publisher}[2][]{%
6086   \gdef\@publisher{#2}%
6087   \begingroup%
6088     \renewcommand{\thanks}[1]{}% swallow \thanks contents
6089     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
6090     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
6091     \protected@xdef\thanklesspublisher{#2}%
6092   \endgroup%
6093   \ifthenelse{\isempty{#1}}{
6094     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
6095     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
6096   }
6097   %%
6098 % Produces a full title page
6099 \newcommand{\maketitlepage}[0]{%
6100   \cleardoublepage%
6101   {%
6102     \bfseries%
6103     \begin{fullwidth}%
6104       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
6105       \vspace{11.5pc}%
6106       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
6107       \vfill%
6108       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
6109     \end{fullwidth}%
6110   }
6111   \thispagestyle{empty}%
6112   \clearpage%
6113 }
6114 %%
6115 % Title block
6116 \bidi@AfterEndPreamble{%
6117 \renewcommand{\maketitle}{%
6118   \newpage%
6119   \global\@topnum\z@% prevent floats from being placed at the top of the page
6120   \begingroup%
6121     \setlength{\parindent}{0pt}%

```





```

6122 \setlength{\parskip}{4pt}%
6123 \let\@@title\@empty%
6124 \let\@@author\@empty%
6125 \let\@@date\@empty%
6126 \gdef\@@title{\LARGE\itshape\@title\par}%
6127 \gdef\@@author{\Large\itshape\@author\par}%
6128 \gdef\@@date{\Large\itshape\@date\par}%
6129 \@@title%
6130 \@@author%
6131 \@@date%
6132 \endgroup%
6133 \thispagestyle{plain}% suppress the running head
6134 }%
6135 }
6136 %%
6137 % Title page (if the `titlepage' option was passed to the bidentufte-handout
6138 % class.)
6139 \bidi@AfterEndPreamble{%
6140 \ifthenelse{\boolean{@bidentufte@titlepage}}
6141 {\renewcommand{\maketitle}{\maketitlepage}}
6142 {}
6143 }
6144 %%
6145 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
6146 % without headers and footers
6147 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
6148 \hbox{}
6149 %\vspace*{\fill}
6150 %\begin{center}
6151 % This page intentionally contains only this sentence.
6152 %\end{center}
6153 %\vspace{\fill}
6154 \thispagestyle{empty}
6155 \newpage
6156 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

## 28 File bidentufte-handout.cls

```

6157 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
6158 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
6159 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
6160 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
6161 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
6162 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
6163 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
6164 \ProcessOptions\relax
6165 \LoadClass{article}
6166 \RequirePackage{bidentuftefloat}
6167 \RequirePackage{bidentuftesidenote}
6168 \RequirePackage{bidentuftetoc}

```



```

6169 \RequirePackage{bidituftegeneralstructure}
6170 \RequirePackage{bidituftehyperref}
6171 \RequirePackage{bidituftetitle}
6172 \renewenvironment{abstract}
6173   {\begin{quotation}}
6174   {\end{quotation}}
6175 \AtBeginDocument{%
6176   \IfFileExists{biditufte-handout.cfg}
6177   {\input{biditufte-handout.cfg}
6178    \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
6179   {}}%
6180 }

```

## 29 File biditufte-book.cls

```

6181 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
6182 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
6183 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
6184 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
6185 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
6186 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
6187 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
6188 \ProcessOptions\relax
6189 \LoadClass{book}
6190 \RequirePackage{bidituftefloat}
6191 \RequirePackage{bidituftesidenote}
6192 \RequirePackage{bidituftetoc}
6193 \RequirePackage{bidituftegeneralstructure}
6194 \RequirePackage{bidituftehyperref}
6195 \RequirePackage{bidituftetitle}
6196 %%
6197 % Set up any book-specific stuff now
6198 %%
6199 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
6200 % to the opening page of Chapter 1. The running heads, when they appear,
6201 % contain only the (arabic) page number in the outside corner.
6202 % \newif\if@mainmatter \@mainmattertrue
6203 \renewcommand\frontmatter{%
6204   \cleardoublepage%
6205   \@mainmatterfalse%
6206   \pagenumbering{arabic}%
6207   %\pagestyle{plain}%
6208   \fancyhf{}%
6209   \ifthenelse{\boolean{@bidituftefloat@twoside}}{%
6210     {\fancyhead[LE,RO]{\thepage}}%
6211     {\fancyhead[RE,RO]{\thepage}}%
6212   }
6213 %%
6214 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
6215 % numbering---it continues where it left off in the front matter.

```



```

6216 \renewcommand\mainmatter{%
6217   \cleardoublepage%
6218   \@mainmattertrue%
6219   \fancyhf{}%
6220   \ifthenelse{\boolean{@biditytfloat@twoside}}%
6221     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}%
6222     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
6223     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
6224     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
6225 }
6226 %%
6227 % The back matter contains appendices, indices, glossaries, endnotes,
6228 % bibliographies, list of contributors, illustration credits, etc.
6229 \renewcommand\backmatter{%
6230   \if@openright%
6231     \cleardoublepage%
6232   \else%
6233     \clearpage%
6234   \fi%
6235   \@mainmatterfalse%
6236 }
6237 %%
6238 % Only show the chapter titles in the table of contents
6239 \setcounter{tocdepth}{0}
6240 \AtBeginDocument{%
6241   \IfFileExists{biditytfe-book.cfg}
6242   {\input{biditytfe-book.cfg}
6243   \ClassInfo{biditytfe-book}{Loading biditytfe-book configuration file \@gobble}}
6244   {}%
6245 }

```

### 30 File bidipoem.sty

```

6246 \NeedsTeXFormat{LaTeX2e}
6247 \ProvidesPackage{bidipoem}%
6248 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
6249
6250 % Usage:
6251 %
6252 % \Setversedim #1#2 % define the layout (within a group):
6253 % #1 = length of both half-verses
6254 % #2 = separation distance = length of a connection, if present
6255 % Variant:
6256 % \Setversedim #1[#2]#3 % for half-verses of unequal length
6257 % #1 = length of first (=right) half-verse
6258 % #2 = length of second (=left) half-verse
6259 % #3 = separation distance = length of a connection, if present
6260 %
6261 % \traditionalhalfverses #1#2 % typeset two separated half-verses
6262 % #1 = text of first (=right) half-verse

```



```

6263 % #2 = text of second (=left) half-verse
6264 % Variant:
6265 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
6266 % #1 = text of first (=right) half-verse
6267 % #2 = text of connection
6268 % #3 = text of second (=left) half-verse
6269 %
6270 % Alternative (if preferred):
6271 %
6272 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
6273
6274
6275 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
6276
6277 % define the layout, verses will be centered
6278
6279 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
6280 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
6281
6282 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
6283 \bidipoem@hvind \textwidth
6284 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
6285 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
6286 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
6287
6288 \def \bidipoem@set@verseI [#1]{% optional parameter
6289 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
6290
6291 \newcommand*{\bidipoem@set@@verse}[1]{% separation
6292 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
6293 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
6294
6295 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
6296 \ifdim Opt > \bidipoem@hvind %
6297 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
6298 \else
6299 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
6300 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
6301 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
6302 \par }
6303
6304 % macro for two half verses
6305 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
6306 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[]}%
6307 \else\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
6308 \bidipoem@half@verses@next}
6309
6310 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
6311 \traditionalconnverses {#1}{#2}{#3}}
6312

```



```

6313
6314 {\catcode\^M=\active % these lines must end with %
6315 \gdef\traditionalpoem@obeylines{\catcode\^M\active \let^M\traditionalpoem@par}%
6316 \global\let^M\traditionalpoem@par} % this is in case ^M appears in a \write
6317 {\catcode\^M=\active % these lines must end with %
6318 \gdef\modernpoem@obeylines{\catcode\^M\active \let^M\modernpoem@par}%
6319 \global\let^M\modernpoem@par} % this is in case ^M appears in a \write
6320 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
6321 \def\poemmarginskip{1em plus 1fil minus 1em}
6322 \def\poemextrabaselineskip{0\baselineskip}
6323 \def\poemskip{\medskip}
6324 \newcommand{\bidipoem@openbox}{\leavevmode
6325 \hbox to.77778em{%
6326 \hfil\vrule
6327 \vbox to.675em{\hrule width.6em\vfil\hrule}%
6328 \vrule\hfil}}
6329 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
6330 \newdimen\versewidth
6331 \newtoks\bidipoem@p@ftn
6332 \def\poem@verse#1{%
6333 \ifdim\wd#1>\new@poem@width
6334 \xdef\new@poem@width{\the\wd#1}%
6335 \ifdim\new@poem@width>\poem@width
6336 \xdef\poem@width{\new@poem@width}%
6337 \global\let\poem@needrun\relax
6338 \fi
6339 \fi
6340 \hbox to\poem@width{\unhbox#1}%
6341 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
6342 }
6343 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmarginskip\relax}
6344 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
6345 \def\poem@lineversesep{%
6346 \nobreak
6347 \hskip\z@ plus 1filll%
6348 \penalty600%
6349 \hskip\poemcolsepskip
6350 \hskip\z@ plus -2filll%
6351 \vadjust{}}%
6352 \nobreak
6353 \hskip\z@ plus 1filll%
6354 }
6355 \def\poem@lineparsebegin{%
6356 \halign\bgroup
6357 \global\setbox\verse@i=\hbox{%
6358 \let\@footnotetext\bidipoem@p@ftntext%
6359 \let\@LTrfootnotetext\bidipoem@p@LTRftntext%
6360 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6361 \let\@xfootnotenext\bidipoem@p@xftntext%
6362 \let\@xfootnote\bidipoem@p@xfootnote%

```



```

6363 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6364 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6365 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6366 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6367 \ignorespaces##\unskip}&&
6368 \global\setbox\verse@ii=\hbox{%
6369 \let\@footnotetext\bidipoem@p@ftntext%
6370 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6371 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6372 \let\@xfootnotenext\bidipoem@p@xftntext%
6373 \let\@xfootnote\bidipoem@p@xfootnote%
6374 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6375 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6376 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6377 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6378 \ignorespaces##\unskip}
6379 \cr
6380 }
6381 \def\poem@lineparseend{%
6382 \crr\egroup
6383 \vskip-\baselineskip
6384 }
6385 \def\traditionalpoem@cr{%
6386 \cr\poem@line
6387 }
6388 \newbox\verse@i
6389 \newbox\verse@ii
6390 \newif\ifpoem@started
6391
6392 \def\poem@line{%
6393 \poem@lineparseend
6394 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
6395 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
6396 \ifpoem@started
6397 \ifdim\wd\verse@ii>\z@else
6398 \nopagebreak[3]
6399 \fi
6400 \leavevmode
6401 \poem@linebegin
6402 \poem@verse\verse@i
6403 \ifdim\wd\verse@ii>\z@
6404 \poem@lineversesep
6405 \poem@verse\verse@ii
6406 \fi
6407 \poem@lineend
6408 % \nopagebreak
6409 \par
6410 \vskip\poemextrabaselineskip
6411 \fi
6412 \poem@lineparsebegin

```



```

6413 }
6414 \def\@traditionalpoem{%
6415 \stepcounter{poem@no}
6416 \ifnum\max@poem@no<\number\c@poem@no%
6417 \xdef\poem@width{\z@}%
6418 \else
6419 \xdef\poem@width{\poem@prop{poem@width}}%
6420 \fi
6421 \xdef\new@poem@width{\z@}%
6422 \global\versewidth=\poem@width
6423 \poemskip\par
6424 \begingroup
6425 \tabskip=\z@
6426 \parskip=\z@
6427 \parindent=\z@
6428 \parfillskip=\z@
6429 \rightskip=\z@
6430 \leftskip=\z@
6431 \widowpenalty=10000% No break between verses of the same line.
6432 \clubpenalty=10000% Same as above. Not really needed.
6433 \def\newblock{\hfil\poemblocksep\hfil\null}%
6434 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
6435 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
6436 \global\poem@startedfalse
6437 \csname poem@obeylines\endcsname
6438 \let\poem@obeylines\relax
6439 \poem@lineparsebegin
6440 }
6441 \def\@endtraditionalpoem{%
6442 \cr
6443 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
6444 \noalign{%
6445 \skip0=\poemextrabaseskip
6446 \vskip-\skip0
6447 \vskip-\baselineskip
6448 }%
6449 \fi\fi
6450 \poem@lineparseend
6451 \endgroup
6452 \par
6453 \vskip\baselineskip
6454 \poemskip
6455 \ifdim\new@poem@width<\poem@width
6456 \global\let\poem@needrun\relax
6457 \fi
6458 \poem@write@aux{poem@width@romannumeral\c@poem@no}{\new@poem@width}%
6459 \ifx\AtEndDocument\undefined\poem@finish\fi
6460 \@endparenv
6461 }
6462

```



```

6463
6464 \long\def\bidipoem@p@ftntext#1{%
6465   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}%
6466   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6467 \long\def\bidipoem@p@LTRftntext#1{%
6468   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}%
6469   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6470 \long\def\bidipoem@p@RTLftntext#1{%
6471   \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}%
6472   \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
6473
6474 \long\def\bidipoem@p@xftntext[#1]#2{%
6475   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
6476
6477 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
6478   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
6479
6480 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6481   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
6482
6483 \def\bidipoem@p@xfootnote[#1]{%
6484   \begingroup
6485     \csname c@\mpfn\endcsname #1\relax
6486     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6487   \endgroup
6488   \@footnotemark\bidipoem@p@xftntext[#1]}
6489
6490 \def\bidipoem@p@xLTRfootnote[#1]{%
6491   \begingroup
6492     \csname c@\mpfn\endcsname #1\relax
6493     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6494   \endgroup
6495   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6496
6497 \def\bidipoem@p@xRTLfootnote[#1]{%
6498   \begingroup
6499     \csname c@\mpfn\endcsname #1\relax
6500     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6501   \endgroup
6502   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6503
6504
6505
6506 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6507 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeylines}
6508 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6509 \def\poem@finish{%
6510   \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6511   \ifx\poem@needrun\relax
6512     \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%

```





```

6513 \global\let\poem@needrun\undefined
6514 \fi
6515 }
6516 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6517 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6518 \ifx\max@poem@no\undefined
6519     \def\max@poem@no{0}%
6520 \fi
6521 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
6522 \newcommand{\poem@write@aux}[2]{%
6523     \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6524     \@x
6525 }
6526 \def\@modernpoem{%
6527 \par
6528 \begingroup
6529 \parskip=\z@
6530 \parindent=\z@
6531 \def\[{ \@settab\@tabplus\ignorespaces}%
6532 \def\]\{ \@tabminus\ignorespaces}%
6533 \def\newblock{\poemblocksep}%
6534 \let\newpoem@tabcr\@tabcr
6535 \def\modernpoem@par{% Redefine \par for possible \obeylines
6536     \ifpoem@started\else
6537         \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6538             \@stopfield
6539             \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6540             \@contfield
6541         \fi
6542     \fi
6543     \ifpoem@started\newpoem@tabcr\fi}%
6544 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6545 \global\poem@startedfalse
6546 \csname poem@obeylines\endcsname
6547 \let\poem@obeylines\relax
6548 \begin{tabbing}%
6549 }
6550 \def\@endmodernpoem{%
6551 \global\poem@startedfalse
6552 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6553     \@stopfield
6554     \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6555     \@contfield
6556 \fi
6557 \ifpoem@started\else\let\@stopline\@stopfield\fi
6558 \end{tabbing}%
6559 \endgroup
6560 \par
6561 \if@nparlist \else
6562     \ifdim\lastskip >\z@

```



```

6563      \@tempskipa\lastskip \vskip -\lastskip
6564      \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6565      \vskip\@tempskipa
6566      \fi
6567      \@endparenv
6568      \fi
6569 }
6570 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6571 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem}
6572 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6573 \gdef\@startfield{%
6574 \global\setbox\@curfield\hbox\bgroup%
6575 \let\@footnotetext\bidipoem@p@ftntext%
6576 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6577 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6578 \let\@xfootnotenext\bidipoem@p@xftntext%
6579 \let\@xfootnote\bidipoem@p@xfootnote%
6580 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6581 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6582 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6583 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6584 \color@begingroup}
6585 \gdef\@stopfield{%
6586 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6587 \gdef\@contfield{%
6588 \global\setbox\@curfield\hbox\bgroup%
6589 \let\@footnotetext\bidipoem@p@ftntext%
6590 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6591 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6592 \let\@xfootnotenext\bidipoem@p@xftntext%
6593 \let\@xfootnote\bidipoem@p@xfootnote%
6594 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6595 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6596 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6597 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6598 \color@begingroup\unhbox\@curfield}

```

### 31 File boek3-xetex-bidi.def

```

6599 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6600 \renewenvironment{theindex}{%
6601 \if@twocolumn
6602 \@restonecolfalse
6603 \else
6604 \@restonecoltrue
6605 \fi
6606 \columnseprule \z@
6607 \columnsep 35\p@
6608 \twocolumn[\@makeschapterhead{\indexname}]}%
6609 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%

```



```

6610 \thispagestyle{plain}\parindent\z@
6611 \parskip\z@ \@plus .3\p@\relax
6612 \let\item\@idxitem
6613 }{%
6614 \if@restonecol\onecolumn\else\clearpage\fi}
6615 \renewcommand*\head@style{%
6616   \interlinepenalty \@M
6617   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6618   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6619 \renewcommand*\@regtocline[3]{%
6620   \ifnum #1>\c@tocdepth
6621   \else
6622     \vskip\z@ \@plus .2\p@
6623     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6624      \if@RTL\rightskip\else\leftskip\fi\unitindent
6625      \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6626      \parfillskip\z@
6627      \@tempdima\unitindent
6628      \parindent\z@
6629      \leavevmode
6630      \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6631      \hskip 1em \nobreak{\slshape #3}\par
6632     }%
6633   \fi}
6634 \if@oldtoc
6635 \renewcommand*\l@part[2]{%
6636   \ifnum \c@tocdepth >-2\relax
6637     \addpenalty{-\@highpenalty}%
6638     \addvspace{2.25em \@plus\p@}%
6639     \begingroup
6640       \setlength\@tempdima{3em}%
6641       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6642       \parfillskip -\@pnumwidth
6643       {\leavevmode
6644        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6645        \nobreak
6646        \global\@nobreaktrue
6647        \everypar{\global\@nobreakfalse\everypar{}}%
6648       \endgroup
6649     \fi}
6650 \else
6651 \renewcommand*\l@part{%
6652   \ifnum \c@tocdepth >-2\relax
6653     \addpenalty{-\@highpenalty}%
6654     \addvspace{2.25em \@plus \p@}%
6655     \@regtocline{0}%
6656   \fi}
6657 \fi
6658 \if@oldtoc
6659 \renewcommand*\l@chapter[2]{%

```



```

6660 \addpenalty{-\@highpenalty}%
6661 \vskip 1.0em \@plus\p@
6662 \setlength\@tempdima{1.5em}%
6663 \beginngroup
6664 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6665 \parfillskip -\@pnumwidth
6666 \leavevmode \bfseries
6667 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6668 \hskip -\if@RTL\rightskip\else\leftskip\fi
6669 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6670 \penalty\@highpenalty
6671 \endgroup}
6672 \else
6673 \renewcommand*\l@chapter{\@regtocline{0}}
6674 \fi
6675 \renewenvironment{abstract}{%
6676 \titlepage
6677 \null\vfil
6678 \section*{\SectFont \abstractname}
6679 \noindent\ignorespaces}
6680 {\par\vfil\null\endtitlepage}
6681 \renewenvironment{thebibliography}[1]
6682 {\chapter*{\bibname}%
6683 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6684 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6685 \bidi@thebibliography@font@hook%
6686 \list{\@biblabel{\@arabic\c@enumiv}}%
6687 {\settowidth\labelwidth{\@biblabel{#1}}%
6688 \leftmargin\labelwidth
6689 \advance\leftmargin\labelsep
6690 \@openbib@code
6691 \usecounter{enumiv}%
6692 \let\p@enumiv\@empty
6693 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6694 \sloppy\clubpenalty4000\widowpenalty4000%
6695 \sfcode`\.\@m}
6696 {\def\@noitemerr
6697 {\@latex@warning{Empty `thebibliography' environment}}}%
6698 \endlist}
6699 \renewcommand*\left@footnoterule{%
6700 \kern-3\p@
6701 \kern.5\baselineskip
6702 \hrule\@width\unitindent
6703 \kern.4\baselineskip
6704 }
6705 \renewcommand*\right@footnoterule{%
6706 \kern-3\p@
6707 \kern.5\baselineskip
6708 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6709 \kern.4\baselineskip}

```



```

6710 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6711 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6712 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6713 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6714 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6715 \renewcommand*\theequation{%
6716   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6717 \renewcommand*\thefigure{%
6718   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6719 \renewcommand*\thetable{%
6720   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6721 \renewcommand*\maketitle{%
6722   \begin{titlepage}%
6723     \let\footnotesize\small
6724     \let\right@footnoterule\relax
6725     \let\left@footnoterule\relax
6726     \let\textwidth@footnoterule\relax
6727     \let \footnote \thanks
6728     \long\def\@makefnmark##1{\parindent\z@
6729       \def\labelitemi{\textendash}\@revlabeltrue
6730       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6731     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6732     \if@compatibility\setcounter{page}{0}\fi
6733     \null\vfil
6734     \vskip 60\p@
6735     \begin{center}%
6736       \TitleFont
6737       {\LARGE \def\\{\penalty -\@M}
6738         \if@allcaps
6739           \expandafter\uc@nothanks\@title\thanks\relax
6740         \else
6741           \@title
6742         \fi\par}%
6743       \vskip 3em%
6744       {\large
6745         \lineskip .75em \parindent\z@
6746         \begin{tabular}[t]{c}%
6747           \if@allcaps
6748             \expandafter\uc@authornothanks\@author\and\relax
6749           \else
6750             \@author
6751           \fi
6752         \end{tabular}\par}%
6753       \vskip 1.5em%
6754       {\large
6755         \if@allcaps
6756           \uppercase\expandafter{\@date}%
6757         \else
6758           \@date
6759         \fi\par}%

```



```

6760     \end{center}\par
6761     \@thanks
6762     \vfil\null
6763 \end{titlepage}%
6764 \setcounter{footnote}{0}%
6765 \global\let\thanks\relax
6766 \global\let\maketitle\relax
6767 \global\let\@thanks\@empty
6768 \global\let\@author\@empty
6769 \global\let\@title\@empty
6770 \global\let\@date\@empty
6771 \global\let\title\relax
6772 \global\let\author\relax
6773 \global\let\date\relax
6774 \global\let\and\relax
6775 }

```

## 32 File boek-xetex-bidi.def

```

6776 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX]
6777 \renewenvironment{theindex}{%
6778   \if@twocolumn
6779     \@restonecolfalse
6780   \else
6781     \@restonecoltrue
6782   \fi
6783   \columnseprule \z@
6784   \columnsep 35\p@
6785   \twocolumn[\@makeschapterhead{\indexname}]%
6786   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6787   \thispagestyle{plain}\parindent\z@
6788   \parskip\z@ \@plus .3\p@\relax
6789   \let\item\@idxitem
6790 }{%
6791   \if@restonecol\onecolumn\else\clearpage\fi}
6792 \renewcommand*{\head@style}{%
6793   \interlinepenalty \@M
6794   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6795   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6796 \renewcommand*{\@regtocline}[3]{%
6797   \ifnum #1>\c@tocdepth
6798   \else
6799     \vskip\z@ \@plus.2\p@
6800     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6801       \if@RTL\rightskip\else\leftskip\fi\unitindent
6802       \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6803       \parfillskip\z@
6804       \@tempdima\unitindent
6805       \parindent\z@
6806       \leavevmode

```



```

6807     \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
6808     \hskip 1em \nobreak{\slshape #3}\par
6809     }%
6810 \fi}
6811 \if@oldtoc
6812 \renewcommand*\l@part[2]{%
6813   \ifnum \c@tocdepth >-2\relax
6814     \addpenalty{-\@highpenalty}%
6815     \addvspace{2.25em \@plus\p@}%
6816     \begingroup
6817       \setlength\@tempdima{3em}%
6818       \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
6819       \parfillskip -\@pnumwidth
6820       {\leavevmode
6821         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6822         \nobreak
6823         \global\@nobreaktrue
6824         \everypar{\global\@nobreakfalse\everypar{}}%
6825       \endgroup
6826   \fi}
6827 \else
6828   \renewcommand*\l@part{%
6829     \ifnum \c@tocdepth >-2\relax
6830       \addpenalty{-\@highpenalty}%
6831       \addvspace{2.25em \@plus\p@}%
6832       \@regtocline{0}%
6833     \fi}
6834 \fi
6835 \if@oldtoc
6836 \renewcommand*\l@chapter[2]{%
6837   \addpenalty{-\@highpenalty}%
6838   \vskip 1.0em \@plus\p@
6839   \setlength\@tempdima{1.5em}%
6840   \begingroup
6841     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
6842     \parfillskip -\@pnumwidth
6843     \leavevmode \bfseries
6844     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
6845     \hskip -\if@RTL\righskip\else\leftskip\fi
6846     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6847     \penalty\@highpenalty
6848   \endgroup}
6849 \else
6850   \renewcommand*\l@chapter{\@regtocline{0}}
6851 \fi
6852 \renewcommand*\left@footnoterule{%
6853   \kern-3\p@
6854   \kern.5\baselineskip
6855   \hrule\@width\unitindent
6856   \kern.4\baselineskip

```



```

6857 }
6858 \renewcommand*\right@footnoterule{%
6859   \kern-3\p@
6860   \kern.5\baselineskip
6861   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6862   \kern.4\baselineskip}
6863 \renewenvironment{abstract}{%
6864   \titlepage
6865   \null\vfil
6866   \section*{\SectFont \abstractname}
6867   \noindent\ignorespaces}
6868 { \par\vfil\null\endtitlepage}
6869 \renewenvironment{thebibliography}[1]
6870 { \chapter*{\bibname}%
6871   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6872   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6873   \bidi@thebibliography@font@hook%
6874   \list{\@biblabel{\@arabic\c@enumiv}}%
6875     {\settowidth\labelwidth{\@biblabel{#1}}%
6876     \leftmargin\labelwidth
6877     \advance\leftmargin\labelsep
6878     \@openbib@code
6879     \usecounter{enumiv}%
6880     \let\p@enumiv\@empty
6881     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6882   \sloppy\clubpenalty4000\widowpenalty4000%
6883   \sfcode`..\@m}
6884 { \def\@noitemerr
6885   {\@latex@warning{Empty `thebibliography' environment}}%
6886   \endlist}
6887 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6888 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
6889 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
6890 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
6891 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
6892 \renewcommand*\theequation{%
6893   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6894 \renewcommand*\thefigure{%
6895   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6896 \renewcommand*\thetable{%
6897   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6898 \renewcommand*\maketitle{%
6899   \begin{titlepage}%
6900     \let\footnotesize\small
6901     \let\right@footnoterule\relax
6902     \let\left@footnoterule\relax
6903     \let\textwidth\footnoterule\relax
6904     \let \footnote \thanks
6905     \long\def\@makefntext##1{\parindent\z@
6906       \def\labelitemi{\textendash}\@revlabeltrue

```





```

6907         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6908     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6909     \if@compatibility\setcounter{page}{0}\fi
6910     \null\vfil
6911     \vskip 60\p@
6912     \begin{center}%
6913         \TitleFont
6914         {\LARGE \def\{\{\penalty -\@M}
6915         \if@allcaps
6916             \expandafter\uc@nothanks\@title\thanks\relax
6917         \else
6918             \@title
6919         \fi\par}%
6920     \vskip 3em%
6921     {\large
6922         \lineskip .75em \parindent\z@
6923         \begin{tabular}[t]{c}%
6924             \if@allcaps
6925                 \expandafter\uc@authornothanks\@author\and\relax
6926             \else
6927                 \@author
6928             \fi
6929         \end{tabular}\par}%
6930     \vskip 1.5em%
6931     {\large
6932         \if@allcaps
6933             \uppercase\expandafter{\@date}%
6934         \else
6935             \@date
6936         \fi\par}%
6937     \end{center}\par
6938     \@thanks
6939     \vfil\null
6940 \end{titlepage}%
6941 \setcounter{footnote}{0}%
6942 \global\let\thanks\relax
6943 \global\let\maketitle\relax
6944 \global\let\@thanks\@empty
6945 \global\let\@author\@empty
6946 \global\let\@title\@empty
6947 \global\let\@date\@empty
6948 \global\let\title\relax
6949 \global\let\author\relax
6950 \global\let\date\relax
6951 \global\let\and\relax
6952 }

```

### 33 File bookest-xetex-bidi.def

6953 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X



```

6954 \def\@makechapterhead#1{%
6955   \vspace*{20\p@}
6956   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6957     \ifnum \c@secnumdepth >\m@ne
6958       \if@mainmatter
6959         {\colorA\huge\scshape \@chapapp\space \thechapter}
6960         \par\nobreak
6961         \vskip 10\p@
6962       \fi
6963     \fi
6964     \interlinepenalty\@M
6965     {\colorB\hrule}
6966     \vskip 15\p@
6967     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6968       {\colorA\Huge \bfseries #1}\par\nobreak
6969     \if@RTL\end{flushleft}\else\end{flushright}\fi
6970     \vskip 5\p@
6971     {\colorB\hrule}
6972     \vskip 30\p@
6973   }}
6974 \def\@makeschapterhead#1{%
6975   \vspace*{20\p@}
6976   {\parindent \z@ \raggedright \normalfont
6977     {\colorB\hrule}
6978     \vskip 15\p@
6979     \begin{center}
6980       {\colorA\Huge \bfseries #1}\par\nobreak
6981     \end{center}
6982     \vskip 5\p@
6983     {\colorB\hrule}
6984     \vskip 30\p@
6985   }}

```

## 34 File book-xetex-bidi.def

```

6986 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6987 \renewenvironment{theindex}
6988   {\if@twocolumn
6989     \@restonecolfalse
6990   \else
6991     \@restonecoltrue
6992   \fi
6993   \columnseprule \z@
6994   \columnsep 35\p@
6995   \twocolumn[\@makeschapterhead{\indexname}]}%
6996   \@mkboth{\MakeUppercase\indexname}%
6997   {\MakeUppercase\indexname}%
6998   \thispagestyle{plain}\parindent\z@
6999   \parskip\z@ \@plus .3\p@\relax
7000   \let\item\@idxitem}

```



```

7001             {\if@restonecol\onecolumn\else\clearpage\fi}
7002 \@ifclassloaded{bookest}{}{%
7003   \if@titlepage
7004     \renewcommand\maketitle{\begin{titlepage}%
7005       \let\footnotesize\small
7006       \let\right@footnoterule\relax
7007       \let\left@footnoterule\relax
7008       \let\textwidth@footnoterule\relax
7009       \let \footnote \thanks
7010       \let \LTRfootnote \LTRthanks
7011       \let \RTLfootnote \RTLthanks
7012       \null\vfil
7013       \vskip 60\p@
7014       \begin{center}%
7015         {\LARGE \@title \par}%
7016         \vskip 3em%
7017         {\large
7018           \lineskip .75em%
7019           \begin{tabular}[t]{c}%
7020             \@author
7021           \end{tabular}\par}%
7022         \vskip 1.5em%
7023         {\large \@date \par}%           % Set date in \large size.
7024       \end{center}\par
7025       \@thanks
7026       \vfil\null
7027     \end{titlepage}%
7028     \setcounter{footnote}{0}%
7029     \global\let\thanks\relax
7030     \global\let\LTRthanks\relax
7031     \global\let\RTLthanks\relax
7032     \global\let\maketitle\relax
7033     \global\let\@thanks\@empty
7034     \global\let\@author\@empty
7035     \global\let\@date\@empty
7036     \global\let\@title\@empty
7037     \global\let\title\relax
7038     \global\let\author\relax
7039     \global\let\date\relax
7040     \global\let\and\relax
7041 }
7042 \else
7043 \renewcommand\maketitle{\par
7044   \begingroup
7045     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
7046     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
7047     \long\def\@makefntext##1{\parindent 1em\noindent
7048       \hb@xt@1.8em{%
7049         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
7050     \if@twocolumn

```



```

7051     \ifnum \col@number=\@ne
7052         \@maketitle
7053     \else
7054         \twocolumn[\@maketitle]%
7055     \fi
7056 \else
7057     \newpage
7058     \global\@topnum\z@    % Prevents figures from going at top of page.
7059     \@maketitle
7060     \fi
7061     \thispagestyle{plain}\@thanks
7062 \endgroup
7063 \setcounter{footnote}{0}%
7064 \global\let\thanks\relax
7065 \global\let\LTRthanks\relax
7066 \global\let\RTLthanks\relax
7067 \global\let\maketitle\relax
7068 \global\let\@maketitle\relax
7069 \global\let\@thanks\@empty
7070 \global\let\@author\@empty
7071 \global\let\@date\@empty
7072 \global\let\@title\@empty
7073 \global\let\title\relax
7074 \global\let\author\relax
7075 \global\let\date\relax
7076 \global\let\and\relax
7077 }
7078 \def\@maketitle{%
7079     \newpage
7080     \null
7081     \vskip 2em%
7082     \begin{center}%
7083         \let \footnote \thanks
7084         \let \LTRfootnote \LTRthanks
7085         \let \RTLfootnote \RTLthanks
7086         {\LARGE \@title \par}%
7087         \vskip 1.5em%
7088         {\large
7089             \lineskip .5em%
7090             \begin{tabular}[t]{c}%
7091                 \@author
7092             \end{tabular}\par}%
7093         \vskip 1em%
7094         {\large \@date}%
7095     \end{center}%
7096     \par
7097     \vskip 1.5em}
7098 \fi}
7099 \renewcommand*\l@part[2]{%
7100     \ifnum \c@tocdepth >-2\relax

```



```

7101 \addpenalty{-\@highpenalty}%
7102 \addvspace{2.25em \@plus\p@}%
7103 \setlength\@tempdima{3em}%
7104 \begingroup
7105 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7106 \parfillskip -\@pnumwidth
7107 {\leavevmode
7108 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
7109 \nobreak
7110 \global\@nobreaktrue
7111 \everypar{\global\@nobreakfalse\everypar{}}%
7112 \endgroup
7113 \fi}
7114 \renewcommand*\l@chapter[2]{%
7115 \ifnum \c@tocdepth >\m@ne
7116 \addpenalty{-\@highpenalty}%
7117 \vskip 1.0em \@plus\p@
7118 \setlength\@tempdima{1.5em}%
7119 \begingroup
7120 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7121 \parfillskip -\@pnumwidth
7122 \leavevmode \bfseries
7123 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
7124 \hskip -\if@RTL\rightskip\else\leftskip\fi
7125 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7126 \penalty\@highpenalty
7127 \endgroup
7128 \fi}
7129 \renewcommand\left@footnoterule{%
7130 \kern-3\p@
7131 \hrule\@width.4\columnwidth
7132 \kern2.6\p@}
7133 \renewcommand\right@footnoterule{%
7134 \kern-3\p@
7135 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
7136 \kern2.6\p@}
7137 \renewcommand\theequation
7138 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
7139 \renewcommand \thefigure
7140 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
7141 \renewcommand \thetable
7142 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
7143 \renewcommand \thechapter {\@arabic\c@chapter}
7144 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
7145 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
7146 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
7147 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
7148 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
7149 \def\@makechapterhead#1{%
7150 \vspace*{50\p@}%

```



```

7151 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
7152 \ifnum \c@secnumdepth >\m@ne
7153 \if@mainmatter
7154 \huge\bfseries \@chapapp\space \thechapter
7155 \par\nobreak
7156 \vskip 20\p@
7157 \fi
7158 \fi
7159 \interlinepenalty\@M
7160 \Huge \bfseries #1\par\nobreak
7161 \vskip 40\p@
7162 }}
7163 \def\@makeschapterhead#1{%
7164 \vspace*{50\p@}%
7165 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7166 \normalfont
7167 \interlinepenalty\@M
7168 \Huge \bfseries #1\par\nobreak
7169 \vskip 40\p@
7170 }}
7171 \renewcommand\backmatter{%
7172 \if@openright
7173 \cleardoublepage
7174 \else
7175 \clearpage
7176 \fi
7177 \@mainmatterfalse}
7178 \renewenvironment{thebibliography}[1]
7179 {\chapter*{\bibname}%
7180 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
7181 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
7182 \bidi@thebibliography@font@hook%
7183 \list{\@biblabel{\@arabic\c@enumiv}}%
7184 {\settowidth\labelwidth{\@biblabel{#1}}%
7185 \leftmargin\labelwidth
7186 \advance\leftmargin\labelsep
7187 \openbib@code
7188 \usecounter{enumiv}%
7189 \let\p@enumiv\@empty
7190 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7191 \sloppy
7192 \clubpenalty4000
7193 \@clubpenalty \clubpenalty
7194 \widowpenalty4000%
7195 \sfcode`.\@m}
7196 {\def\@noitemerr
7197 {\@latex@warning{Empty `thebibliography' environment}}%
7198 \endlist}

```



## 35 File breqn-xetex-bidi.def

```

7199 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for Xe
7200 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
7201 \everydisplay\expandafter{\the\everydisplay \display@setup}%
7202 \if@noskipsec \leavevmode \fi
7203 \if@inlabel \leavevmode \global\@inlabelfalse \fi
7204 \if\eq@group\else\eq@prelim\fi
7205 \setkeys{breqn}{#1}%
7206 \the\eqstyle
7207 \eq@setnumber
7208 \begingroup
7209 \eq@setup@a
7210 \eq@startup
7211 }
7212 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
7213 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
7214 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box@voidb@x
7215 \global\let\GRP@label\@empty
7216 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
7217 \global\grp@linewidth\z@\global\grp@wdNum\z@
7218 \global\let\grp@eqs@numbered\@False
7219 \global\let\grp@aligned\@True
7220 \global\let\grp@shiftnumber\@False
7221 \eq@prelim
7222 \setkeys{breqn}{#1}%
7223 \if\grp@hasNumber \grp@setnumber \fi
7224 }
7225 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
7226 \let\display@setup\dseries@display@setup
7227 % Question: should this be the default for dseries???
7228 \global\eq@wdCond\z@
7229 \@dmath[layout={M},#1]%
7230 \mathsurround\z@\@math \penalty\@Mi
7231 \let\endmath\ends@math
7232 \def\premath{%
7233 \ifdim\lastskip<.3em \unskip
7234 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
7235 }%
7236 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
7237 \ignorespaces
7238 }
7239 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
7240 \renewenvironment{dsuspend}{%
7241 \global\setbox\EQ@box\ vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
7242 \parshape 1 \displayindent \displaywidth\relax
7243 \hsize=\columnwidth \noindent\ignorespaces
7244 }{%
7245 \par\egroup
7246 \global\setbox\GRP@box\ vbox{%

```



```

7247 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
7248 \unvbox\GRP@box
7249 }%
7250 \global\GRP@queue\@xp{\the\GRP@queue
7251 \@elt{\let\eq@isIntertext\@True}}%
7252 }%
7253 }

```

## 36 File cals-xetex-bidi.def

```

7254 \ProvidesFile{cals-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for cals package for XeTeX]
7255 \renewcommand\cals@setup@alignment[1]{%
7256 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
7257 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
7258 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
7259 }
7260 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
7261 \renewenvironment{calstable}[1][\cals@table@alignment]{%
7262 \if@RTLtab\cals@activate@rtl\fi
7263 \let\cals@thead@tokens=\relax
7264 \let\cals@tfoot@tokens=\relax
7265 \let\cals@tbody@tokens=\relax
7266 \cals@tfoot@height=Opt \relax
7267 \let\cals@last@context=n%
7268 \let\cals@current@context=b%
7269 \parindent=Opt \relax%
7270 \cals@setup@alignment{#1}%
7271 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
7272 }%% Alignment inside is independent on center/flushright outside
7273 \parfillskip=Opt plus1fil\relax
7274 \let\cals@borderL=\relax
7275 \let\cals@borderR=\relax
7276 \let\cals@borderT=\relax
7277 \let\cals@borderB=\relax
7278 \setbox\cals@backup@row=\box\voidb@x\relax
7279 \cals@AtBeginTable
7280 }{% End of the table
7281 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
7282 \renewcommand\alignL{%
7283 \if@RTLtab
7284 \cals@vfillAdd\cals@paddingL
7285 \else
7286 \cals@vfillDrop\cals@paddingL
7287 \fi
7288 \cals@vfillDrop\cals@paddingR}
7289 \renewcommand\alignR{%
7290 \if@RTLtab
7291 \cals@vfillDrop\cals@paddingL
7292 \else
7293 \cals@vfillAdd\cals@paddingL

```





```

7294 \fi
7295 \cals@vfillDrop\cals@paddingR}

```

### 37 File caption-xetex-bidi.def

```

7296 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for
7297 \let\@makecaption\caption@makecaption

```

### 38 File caption3-xetex-bidi.def

```

7298 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
7299 \renewcommand*\caption@par{%
7300 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

### 39 File colortbl-xetex-bidi.def

```

7301 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
7302 \def\CT@setup{%
7303 \@tempdimb\col@sep
7304 \@tempdimc\col@sep
7305 \def\CT@color{%
7306 \global\let\CT@do@color\CT@@do@color
7307 \bidicolor}}
7308 \def\@classz{\@classx
7309 \@tempcnta\count@
7310 \prepnext@tok
7311 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
7312 \@addtopreamble{\if@RTLtab\beginL\fi%
7313 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
7314 \ifcase \@chnum
7315 \hskip\stretch{.5}\kern\z@
7316 \dollarbegin
7317 \insert@column
7318 \dollarend\hskip\stretch{.5}\or
7319 \dollarbegin \insert@column \dollarend \hfill \or
7320 \hfill\kern\z@ \dollarbegin \insert@column \dollarend \or
7321 $\vcenter
7322 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
7323 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
7324 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
7325 \fi
7326 \if@RTLtab\endR\fi\egroup\egroup
7327 \begingroup
7328 \CT@setup
7329 \CT@column@color
7330 \CT@row@color
7331 \CT@cell@color
7332 \CT@do@color
7333 \endgroup
7334 \@tempdima\ht\z@

```



```

7335         \advance\@tempdima\minrowclearance
7336         \vrule\@height\@tempdima\@width\z@
7337         \unhbox\z@\if@RTLtab\endL\fi}%
7338     \prepnext@tok}

```

## 40 File color-xetex-bidi.def

```

7339 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
7340 \long\def\color@b@x#1#2#3{%
7341     \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
7342     \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
7343     \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
7344     \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
7345     {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}}%
7346         \box\z@}\ifmmode\else\if@RTL\endL\fi\fi}
7347 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
7348 \DeclareRobustCommand\color{%
7349     \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}%
7350 \def\@declaredcolor#1{%
7351     \@ifundefined{\string\color @#1}%
7352     {\c@lor@error{`#1'}}%
7353     {\expandafter\let\expandafter\current@color
7354         \csname\string\color @#1\endcsname
7355         \set@color}%
7356     \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7357 \def\@undeclaredcolor[#1]#2{%
7358     \@ifundefined{color@#1}%
7359     {\c@lor@error{model `#1'}}%
7360     {\csname color@#1\endcsname\current@color{#2}%
7361         \set@color}%
7362     \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7363 \DeclareRobustCommand\bidicolor{%
7364     \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}%
7365 \def\@bidiundeclaredcolor[#1]#2{%
7366     \@ifundefined{color@#1}%
7367     {\c@lor@error{model `#1'}}%
7368     {\csname color@#1\endcsname\current@color{#2}%
7369         \set@color}%
7370     \ignorespaces}
7371 \def\@bidideclaredcolor#1{%
7372     \@ifundefined{\string\color @#1}%
7373     {\c@lor@error{`#1'}}%
7374     {\expandafter\let\expandafter\current@color
7375         \csname\string\color @#1\endcsname
7376         \set@color}%
7377     \ignorespaces}
7378 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
7379 \def\color@fbbox#1#2#3{%
7380     \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}
7381 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```



## 41 File combine-xetex-bidi.def

```
7382 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeTeX]
7383 \renewcommand{\c@ll@chapsecii}[2]{%
7384   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7385   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
7386   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7387 }
7388 \renewcommand{\c@ll@chapseci}{%
7389   \setlength\@tempdima{0em}%
7390   \begingroup
7391     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7392     \parfillskip -\@pnumwidth
7393     \leavevmode
7394   }
7395 \renewenvironment{tocindent}[1]{%
7396   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{}
```

## 42 File crop-xetex-bidi.def

```
7397 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
7398 \renewcommand*\CROP@ulc{%
7399   \if@RTLmain%
7400     \begin{picture}(0,0)
7401       \unitlength\p@thinlines
7402       \put(-40,0){\circle{10}}
7403       \put(-30,-5){\line(0,1){10}}
7404       \put(-35,0){\line(1,0){30}}
7405       \put(-10,30){\circle{10}}
7406       \put(-5,30){\line(1,0){10}}
7407       \put(0,35){\line(0,-1){30}}
7408     \end{picture}%
7409   \else%
7410     \begin{picture}(0,0)
7411       \unitlength\p@thinlines
7412       \put(-30,0){\circle{10}}
7413       \put(-30,-5){\line(0,1){10}}
7414       \put(-35,0){\line(1,0){30}}
7415       \put(0,30){\circle{10}}
7416       \put(-5,30){\line(1,0){10}}
7417       \put(0,35){\line(0,-1){30}}
7418     \end{picture}%
7419   \fi%
7420 }
7421 \renewcommand*\CROP@urc{%
7422   \if@RTLmain%
7423     \begin{picture}(0,0)
7424       \unitlength\p@thinlines
7425       \put(20,0){\circle{10}}
7426       \put(30,-5){\line(0,1){10}}
```



```

7427         \put(35,0){\line(-1,0){30}}
7428         \put(-10,30){\circle{10}}
7429         \put(-5,30){\line(1,0){10}}
7430         \put(0,35){\line(0,-1){30}}
7431     \end{picture}%
7432 \else%
7433     \begin{picture}(0,0)
7434         \unitlength\p@\thinlines
7435         \put(30,0){\circle{10}}
7436         \put(30,-5){\line(0,1){10}}
7437         \put(35,0){\line(-1,0){30}}
7438         \put(0,30){\circle{10}}
7439         \put(-5,30){\line(1,0){10}}
7440         \put(0,35){\line(0,-1){30}}
7441     \end{picture}%
7442 \fi%
7443 }
7444 \renewcommand*\CROP@llc{%
7445     \if@RTLmain%
7446         \begin{picture}(0,0)
7447             \unitlength\p@\thinlines
7448             \put(-40,0){\circle{10}}
7449             \put(-30,-5){\line(0,1){10}}
7450             \put(-35,0){\line(1,0){30}}
7451             \put(-10,-30){\circle{10}}
7452             \put(-5,-30){\line(1,0){10}}
7453             \put(0,-35){\line(0,1){30}}
7454         \end{picture}%
7455     \else%
7456         \begin{picture}(0,0)
7457             \unitlength\p@\thinlines
7458             \put(-30,0){\circle{10}}
7459             \put(-30,-5){\line(0,1){10}}
7460             \put(-35,0){\line(1,0){30}}
7461             \put(0,-30){\circle{10}}
7462             \put(-5,-30){\line(1,0){10}}
7463             \put(0,-35){\line(0,1){30}}
7464         \end{picture}%
7465     \fi%
7466 }
7467 \renewcommand*\CROP@lrc{%
7468     \if@RTLmain%
7469         \begin{picture}(0,0)
7470             \unitlength\p@\thinlines
7471             \put(20,0){\circle{10}}
7472             \put(30,-5){\line(0,1){10}}
7473             \put(35,0){\line(-1,0){30}}
7474             \put(-10,-30){\circle{10}}
7475             \put(-5,-30){\line(1,0){10}}
7476             \put(0,-35){\line(0,1){30}}

```



```

7477 \end{picture}%
7478 \else%
7479 \begin{picture}(0,0)
7480 \unitlength\p@\thinline
7481 \put(30,0){\circle{10}}
7482 \put(30,-5){\line(0,1){10}}
7483 \put(35,0){\line(-1,0){30}}
7484 \put(0,-30){\circle{10}}
7485 \put(-5,-30){\line(1,0){10}}
7486 \put(0,-35){\line(0,1){30}}
7487 \end{picture}%
7488 \fi%
7489 }
7490 \ifpackagewith{crop}{cam}{%
7491 \CROP@execopt{cam}%
7492 }{}

```

## 43 File cutwin-xetex-bidi.def

```

7493 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for X
7494 \renewcommand*{\c@twcompctr}[2]{%
7495 \def\c@twfirst{1}
7496 \loop\advance\c@twwinlines\m@ne
7497 \setbox\c@twslicea=\vsplit#1 to\baselineskip
7498 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
7499 \c@twprune{\c@twslicea}{\c@twlftside}%
7500 \c@twprune{\c@twsliceb}{\c@twrtside}%
7501 \ifnum\c@twfirst=\@ne
7502 \setbox#2=\vbox{\unvbox#2\hbox
7503 to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\ifRTL\box\c@tw
7504 \else
7505 \setbox#2=\vbox{\unvbox#2\hbox
7506 to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\ifRTL\box\c@twslicea\else\box
7507 \fi
7508 \def\c@twfirst{2}
7509 \ifnum\c@twwinlines>\z@\repeat}
7510 \renewcommand*{\c@twcompoddctr}[2]{%
7511 \def\c@twrounds{1}
7512 \def\c@twfirst{1}
7513 \@for\c@twlspec:=\c@twb\do{%
7514 \ifnum\c@twrounds=1
7515 \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7516 \c@twprune{\c@twslicea}{\c@twlspec}%
7517 \def\c@twrounds{2}
7518 \else
7519 \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
7520 \c@twprune{\c@twsliceb}{\c@twlspec}%
7521 \ifnum\c@twfirst=1
7522 \setbox#2=\vbox{\unvbox#2\hbox
7523 to\hsize{\ifRTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\ifRTL\box

```



```

7524     \def\c@twfirst{2}
7525   \else
7526     \setbox#2=\vbox{\unvbox#2\hbox
7527       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else
7528       \fi
7529     \def\c@twrounds{1}
7530   \fi}}

```

## 44 File cuted-xetex-bidi.def

```

7531 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for XeLaTeX]
7532
7533 \def\RTL@outputdblcol{%
7534   \if@firstcolumn
7535     \global\@firstcolumnfalse
7536     \global\setbox\@leftcolumn\copy\@outputbox
7537     \splitmaxdepth\maxdimen
7538     \vbadness\maxdimen
7539     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7540     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7541     \toks@\expandafter{\topmark}%
7542     \xdef\@firstcoltopmark{\the\toks@}%
7543     \toks@\expandafter{\splitfirstmark}%
7544     \xdef\@firstcolfirstmark{\the\toks@}%
7545     \ifx\@firstcolfirstmark\@empty
7546       \global\let\@setmarks\relax
7547     \else
7548       \gdef\@setmarks{%
7549         \let\firstmark\@firstcolfirstmark
7550         \let\topmark\@firstcoltopmark}%
7551     \fi
7552   \else
7553     \global\@firstcolumntrue
7554     \setbox\@outputbox\vbox{%
7555       \hb@xt@\textwidth{%
7556         \hskip \columnwidth
7557         \hfil
7558         {\normalcolor\vrule \@width\columnseprule}%
7559         \hfil
7560         \hb@xt@\columnwidth{%
7561           \bidi@firstcolumn@status@write%
7562           \box\@leftcolumn \hss}%
7563         \hskip -\textwidth
7564         \hb@xt@\columnwidth{%
7565           \bidi@lastcolumn@status@write%
7566           \box\@outputbox \hss}%
7567         \hskip \columnsep
7568         \hskip \columnwidth }}%
7569     \ifvoid\hold@viper
7570     \else

```



```

7571      \setbox\@outputbox \vbox to\textheight{%
7572                                \box\hold@viper
7573                                \box\@outputbox
7574                                \vss
7575                                }%
7576      \fi
7577 \combinedblfloats
7578 \setmarks
7579 \@outputpage
7580 \beginingroup
7581 \dblfloatplacement
7582 \startdblcolumn
7583 \@whiles\if@fcolmade \fi{\@outputpage
7584 \startdblcolumn}%
7585 \ifvoid\@viper
7586 \else
7587   \global\setbox\@viper\vbox{%
7588     \vskip-\stripsep
7589     \unvbox\@viper
7590   }%
7591   \@viperoutput
7592 \fi
7593 \endgroup
7594 \fi}%
7595
7596 \def\LTR@outputdblcol{%
7597   \if@firstcolumn
7598     \global\@firstcolumnfalse
7599     \global\setbox\@leftcolumn\copy\@outputbox
7600     \splitmaxdepth\maxdimen
7601     \vbadness\maxdimen
7602     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7603     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7604     \toks@\expandafter{\topmark}%
7605     \xdef\@firstcoltopmark{\the\toks@}%
7606     \toks@\expandafter{\splitfirstmark}%
7607     \xdef\@firstcolfirstmark{\the\toks@}%
7608     \ifx\@firstcolfirstmark\@empty
7609       \global\let\@setmarks\relax
7610     \else
7611       \gdef\@setmarks{%
7612         \let\firstmark\@firstcolfirstmark
7613         \let\topmark\@firstcoltopmark}%
7614     \fi
7615   \else
7616     \global\@firstcolumntrue
7617     \setbox\@outputbox\vbox{%
7618       \hb@xt@\textwidth{%
7619         \hb@xt@\columnwidth{%
7620           \bidi@firstcolumn@status@write%

```



```

7621      \box\@leftcolumn \hss}%
7622      \hfil
7623      {\normalcolor\vrule \@width\columnseprule}%
7624      \hfil
7625      \hb@xt@\columnwidth{%
7626      \bidi@lastcolumn@status@write%
7627      \box\@outputbox \hss}}}%
7628      \ifvoid\hold@viper
7629      \else
7630      \setbox\@outputbox \vbox to\textheight{%
7631      \box\hold@viper
7632      \box\@outputbox
7633      \vss
7634      }%
7635      \fi
7636      \@combinedblfloats
7637      \@setmarks
7638      \@outputpage
7639      \begingroup
7640      \@dblfloatplacement
7641      \@startdblcolumn
7642      \@whiles\if@fcolmade \fi{\@outputpage
7643      \@startdblcolumn}%
7644      \ifvoid\@viper
7645      \else
7646      \global\setbox\@viper\vbox{%
7647      \vskip-\stripsep
7648      \unvbox\@viper
7649      }%
7650      \@viperoutput
7651      \fi
7652      \endgroup
7653      \fi}%
7654
7655
7656      \def \@addviper {%
7657      \if@firstcolumn
7658      \@insertfalse
7659      \@reqcolroom .5\@pageht
7660      \ht@viper\@reqcolroom
7661      \advance \@reqcolroom \ht@viper
7662      \advance \@reqcolroom \stripsep
7663      \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7664      %%
7665      \@tempdima \ht@viper
7666      \loop
7667      \setbox\v@aaa\copy\@holdpg
7668      \setbox\v@ccc\vbox to\@tempdima{%
7669      \vsplit\v@aaa to\@tempdima\vss\vsplit\v@aaa to\@tempdima}%
7670      \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdima}%

```





```

7671 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7672 \loop
7673 \setbox\v@aaa\copy\@holdpg
7674 \setbox\v@ccc\vbox to\@tempdimb{%
7675     \vsplit\v@aaa to\@tempdimb\vss}%
7676 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7677 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7678 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
7679 \setbox\v@ccc\vbox to\@tempdimb{%
7680     \vsplit\@holdpg to\@tempdimb\vss}%
7681 %%
7682 \setbox\@tempboxa \vbox {%
7683     \hb@xt@\textwidth {%
7684         \ifRTLmain%
7685             \hskip \columnwidth
7686             \hfil \vrule width\columnseprule \hfil
7687             \hb@xt@\columnwidth {%
7688                 \vbox to\ht\viper{\box\v@ccc\vss} \hss}%
7689             \hskip -\textwidth
7690             \hb@xt@\columnwidth {%
7691                 \vbox to\ht\viper{\box\@holdpg\vss} \hss}%
7692             \hskip \columnsep
7693             \hskip \columnwidth
7694         \else%
7695             \hb@xt@\columnwidth {%
7696                 \vbox to\ht\viper{\box\v@ccc\vss} \hss}%
7697                 \hfil
7698                 \vrule \@width\columnseprule
7699                 \hfil
7700                 \hb@xt@\columnwidth {%
7701                     \vbox to\ht\viper{\box\@holdpg\vss} \hss}%
7702                     \fi}%
7703             }%
7704 \ifvoid\hold@viper
7705     \global\setbox\hold@viper \vbox {%
7706         \unvbox\@tempboxa
7707         \penalty\interlinepenalty
7708         \vskip\stripsep
7709         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7710         \outputpenalty \z@
7711     }%
7712 \else
7713     \global\setbox\hold@viper \vbox {%
7714         \unvbox\hold@viper
7715         \unvbox\@tempboxa
7716         \penalty\interlinepenalty
7717         \vskip\stripsep
7718         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7719         \outputpenalty \z@
7720     }%

```



```

7721 \fi
7722 \ifdim \@colroom>\@reqcolroom
7723 \global\setbox\hold@viper \vbox {%
7724 \unvbox\hold@viper
7725 \box\@viper
7726 \penalty\interlinepenalty
7727 \vskip\stripsep
7728 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7729 \outputpenalty \z@
7730 }%
7731 \@inserttrue
7732 \advance\@tempdima by-\ht\hold@viper
7733 \global \advance \@colht \@tempdima
7734 \ifdim \@colht<2.5\baselineskip
7735 \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7736 too tall on page \thepage (1 stulpelis)}%
7737 \@emptycol
7738 \if@firstcolumn
7739 \else
7740 \emptycol
7741 \fi
7742 \global\@lastvipertrue
7743 \else
7744 \global \vsize \@colht
7745 \global \@colroom \@colht
7746 \check@floats
7747 \ifdim\@tempdima>\z@
7748 \global\advance\@colroom by-\@tempdima
7749 \fi
7750 \ifdim\@colroom<\z@
7751 \global\@colroom 1pt
7752 \ifdim\@tempdima>\@colht
7753 \latex@warning@no@line {TOP ir/ar BOT FLOAT's
7754 netelpla lape \thepage (1 stulpelis)}%
7755 \fi
7756 \emptycol
7757 \if@firstcolumn
7758 \else
7759 \emptycol
7760 \fi
7761 \global\@lastvipertrue
7762 \fi
7763 \fi
7764 \fi
7765 \else
7766 \@insertfalse
7767 \@reqcolroom\@colht
7768 \advance\@reqcolroom \@pageht
7769 \ht@viper.5\@reqcolroom
7770 \@reqcolroom\ht@viper

```



```

7771 \advance \@reqcolroom \ht\@viper
7772 \advance \@reqcolroom \stripsep
7773 \if@flushend@auto@baselineskip
7774 \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7775 \global\lastskip@d\lastskip
7776 \global\lastskip@b\lastskip
7777 \loop
7778 \global\lastskip@a\lastskip@b
7779 \unskip\unpenalty
7780 \global\lastskip@b\lastskip
7781 \global\advance\lastskip@d by\lastskip
7782 \ifdim\lastskip@b=-\lastskip@a
7783 \global\advance\lastskip@d by-\lastskip
7784 \else
7785 \repeat
7786 \ifdim\lastskip@b=-\lastskip@a
7787 \ifdim\lastskip@b=\z@
7788 \setbox\lastbox@a\lastbox
7789 \global\advance\lastskip@d by\ht\lastbox@a
7790 \global\advance\lastskip@d by\lastskip
7791 \unskip\unpenalty
7792 \setbox\lastbox@a\lastbox
7793 \global\advance\lastskip@d by\dp\lastbox@a
7794 \else
7795 \global\lastskip@d\lastskip
7796 \global\advance\lastskip@d by\topskip
7797 \fi
7798 \fi
7799 \global\advance\lastskip@d by-\topskip
7800 }%
7801 \ifdim\ht\@holdpg>\@colht
7802 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7803 \par\eject
7804 \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7805 }%
7806 \else
7807 \global\setbox\@holdpg\vbox{%
7808 \unvbox\@leftcolumn\unskip\unpenalty
7809 \vskip\lastskip@d
7810 \the\At@ViperColsBreak
7811 \unvbox\@holdpg
7812 \unskip
7813 }%
7814 \fi
7815 \else
7816 \global\setbox\@holdpg\vbox{%
7817 \unvbox\@leftcolumn
7818 \setbox\@tempboxa\lastbox
7819 \on@stripcols@break
7820 \the\At@ViperColsBreak

```



```

7821         \unvbox\@holdpg
7822     }%
7823 \fi
7824 \global\At@ViperColsBreak{}%
7825 \ht@viper .5\ht\@holdpg
7826 \ifdim \ht@viper>\@colht
7827     \ht@viper \@colht
7828 \fi
7829 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7830 %%
7831 \@tempdimb \ht@viper
7832 \loop
7833     \setbox\v@aaa\copy\@holdpg
7834     \setbox\v@ccc\vbox to\@tempdimb{%
7835         \vsplit\v@aaa to\@tempdimb
7836         \vss
7837         \vsplit\v@aaa to\@tempdimb
7838     }%
7839     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7840 \ifvoid\v@aaa
7841 \else
7842     \advance\@tempdimb 1\p@
7843 \repeat
7844 \loop
7845     \setbox\v@aaa\copy\@holdpg
7846     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7847     \wlog{(2)Left:\the\ht\v@ccc\space
7848         Right:\the\ht\v@aaa\space
7849         Output:\the\@tempdimb
7850     }%
7851 \ifdim\ht\v@ccc<\ht\v@aaa
7852     \@tempdimb \the\ht\v@aaa
7853 \repeat
7854 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7855     ^^JRight:\the\ht\v@aaa
7856     ^^JOutput:\the\@tempdimb
7857 }%
7858 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7859 \setbox\@tempboxa\vbox{%
7860     \hb@xt@\textwidth {%
7861         \if@RTLmain%
7862             \hskip \columnwidth
7863             \hfil \vrule width\columnseprule \hfil
7864             \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7865             \hskip -\textwidth
7866             \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7867             \hskip \columnsep
7868             \hskip \columnwidth
7869         \else
7870             \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%

```



```

7871         \hfil
7872         \vrule \@width\columnseprule
7873         \hfil
7874         \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7875         \fi%
7876         }%
7877     }%
7878 \ifvoid\hold@viper
7879     \global\setbox\hold@viper \vbox {%
7880         \unvbox\@tempboxa
7881         \penalty\interlinepenalty
7882         \vskip\stripsep
7883         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7884         \outputpenalty \z@
7885         }%
7886 \else
7887     \global\setbox\hold@viper \vbox {%
7888         \unvbox\hold@viper
7889         \unvbox\@tempboxa
7890         \penalty\interlinepenalty
7891         \vskip\stripsep
7892         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7893         \outputpenalty \z@
7894         }%
7895 \fi
7896 \ifdim \@colht>\@reqcolroom
7897     \global\setbox\hold@viper \vbox {%
7898         \unvbox\hold@viper
7899         \box\@viper
7900         \penalty\interlinepenalty
7901         \vskip\stripsep
7902         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7903         \outputpenalty \z@
7904         }%
7905     \@inserttrue
7906     \global\@firstcolumntrue
7907     \advance\@tempdima by-\ht\hold@viper
7908     \global \advance \@colht \@tempdima
7909     \ifdim \@colht<2.5\baselineskip
7910         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7911             too tall on page \thepage (2 stulpelis)}%
7912         \@emptycol
7913         \if@firstcolumn
7914         \else
7915             \@emptycol
7916         \fi
7917         \global\@lastvipertrue
7918     \else
7919         \global \vsize \@colht
7920         \global \@colroom \@colht

```



```

7921         \check@floats
7922         \ifdim\@tempdima>\z@
7923             \global\advance\@colroom by-\@tempdima
7924         \fi
7925         \ifdim\@colroom<\z@
7926             \global\@colroom 1pt
7927             \ifdim\@tempdima>\@colht
7928                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7929                     netelpe lape \thepage (2 stulpelis)}}%
7930             \fi
7931             \@emptycol
7932             \if@firstcolumn
7933                 \else
7934                     \@emptycol
7935             \fi
7936             \global\@lastvipertrue
7937         \fi
7938     \fi
7939 \fi
7940 \fi
7941 \if@insert
7942 \else
7943     \advance\@tempdima by-\ht\hold@viper
7944     \global \advance \@colht \@tempdima
7945     \global\setbox\hold@viper \vbox {%
7946         \unvbox\hold@viper
7947         \csname viper@top@hook\endcsname
7948         \vsplit\@viper to \@colht
7949         \vss
7950     }%
7951     \vbox{}%
7952     \global\@firstcolumnfalse
7953     \newpage
7954 \fi
7955 }

```

## 45 File cvthemebidicasual.sty

```

7956 \NeedsTeXFormat{LaTeX2e}
7957 \ProvidesPackage{cvthemebidicasual}
7958 \DeclareOption{blue}{}
7959 \newif\if@colourorange\@colourorangefalse
7960 \DeclareOption{orange}{\@colourorange true}
7961 \newif\if@colourgreen\@colourgreenfalse
7962 \DeclareOption{green}{\@colourgreent true}
7963 \newif\if@colouredred\@colouredredfalse
7964 \DeclareOption{red}{\@colouredred true}
7965 \newif\if@colourgrey\@colourgreyfalse
7966 \DeclareOption{grey}{\@colourgrey true}
7967 \DeclareOption*{

```



```

7968 \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7969 \ExecuteOptions{colour}
7970 \ProcessOptions\relax
7971 \renewcommand*{\listitemsymbol}{\textbullet}
7972 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7973 \familynamecolour{808080}
7974 \firstnamecolour{A9A9A9}
7975 \quotecolour{696969}
7976 \addresscolour{696969}
7977 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7978 \sectiontitlecolour{1E90FF}
7979 \subsectioncolour{4682B4}
7980 \definecolor{rulecolour}{gray}{0.6}
7981 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7982 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7983 \if@colourorange
7984 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7985 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7986 \sectiontitlecolour{FF8C00}
7987 \subsectioncolour{FF8C00}
7988 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7989 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7990 \if@colourgreen
7991 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7992 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7993 \sectiontitlecolour{008000}
7994 \subsectioncolour{008000}
7995 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7996 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7997 \if@coloured
7998 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7999 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
8000 \sectiontitlecolour{FF0000}
8001 \subsectioncolour{FF0000}
8002 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
8003 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
8004 \if@colourgrey
8005 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
8006 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
8007 \sectiontitlecolour{808080}
8008 \subsectioncolour{808080}
8009 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
8010 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
8011 \renewcommand*{\ttdefault}{pcr}
8012 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
8013 \renewcommand*{\familynamefont}{\firstnamefont}
8014 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
8015 \renewcommand*{\quote font}{\large\slshape}
8016 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
8017 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}

```



```

8018 \renewcommand*{\maketitle}{%
8019   {%
8020     \ifthenelse{\isundefined{\@photo}}{%
8021       {%
8022         {\color{firstnamecolor}\framebox{\includegraphics[width=\photowidth]{\@photo}}}%
8023         \hfill%
8024         \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
8025         {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
8026       \ifthenelse{\isundefined{\@quote}}{%
8027         {%
8028           {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[
8029         }%
8030     \newif\if@firstfooterelement\@firstfooterelementtrue
8031 \providecommand*{\footersymbol}{%
8032 \renewcommand*{\footersymbol}{%
8033   \if@firstfooterelement%
8034   \else%
8035     {~~\color{footersymbolcolor}\textbullet~~}\fi}
8036 \providecommand*{\makefooter}{%
8037 \renewcommand*{\makefooter}{%
8038   \fancypagestyle{plain}{%
8039     \fancyfoot[c]{%
8040       \parbox{0.8\textwidth}{%
8041         \centering%
8042         \addressfont\@addresscolour%
8043         \ifthenelse{\isundefined{\@address}}{~}{%
8044           \addresssymbol~\@address\\%
8045           \@firstfooterelementfalse}%
8046         \ifthenelse{\isundefined{\@mobile}}{~}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
8047         \ifthenelse{\isundefined{\@phone}}{~}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
8048         \ifthenelse{\isundefined{\@fax}}{~}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
8049         \ifthenelse{\isundefined{\@email}}{~}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
8050         \ifthenelse{\isundefined{\@extrainfo}}{~}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
8051       }%
8052     \pagestyle{plain}}
8053 \AtBeginDocument{\makefooter}

```

## 46 File cvthemebidiclassic.sty

```

8054 \NeedsTeXFormat{LaTeX2e}
8055 \ProvidesPackage{cvthemebidiclassic}
8056 \DeclareOption{blue}{%
8057 \newif\if@colourorange\@colourorangefalse
8058 \DeclareOption{orange}{\@colourorangetrue}
8059 \newif\if@colourgreen\@colourgreenfalse
8060 \DeclareOption{green}{\@colourgreentrue}
8061 \newif\if@colouredred\@colouredredfalse
8062 \DeclareOption{red}{\@colouredredtrue}
8063 \newif\if@colourgrey\@colourgreyfalse
8064 \DeclareOption{grey}{\@colourgreytrue}

```





```

8065 \DeclareOption*{
8066   \PackageWarning{cvthemebidicclassic}{Unknown option ‘\CurrentOption’}}
8067 \ExecuteOptions{colour}
8068 \ProcessOptions\relax
8069 \renewcommand*{\listitemsymbol}{\textbullet}
8070 \firstnamecolour{}
8071 \familynamecolour{}
8072 \titlecolour{808080}
8073 \quotecolour{696969}
8074 \addresscolour{696969}
8075 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
8076 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
8077 \sectiontitlecolour{1E90FF}
8078 \subsectioncolour{4682B4}
8079 \if@colourorange
8080   \addresscolour{FF8C00}
8081   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
8082   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
8083   \sectiontitlecolour{FF8C00}
8084   \subsectioncolour{FF8C00}\fi
8085 \if@colourgreen
8086   \addresscolour{008000}
8087   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
8088   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
8089   \sectiontitlecolour{008000}
8090   \subsectioncolour{008000}\fi
8091 \if@colourred
8092   \addresscolour{FF0000}
8093   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
8094   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
8095   \sectiontitlecolour{FF0000}
8096   \subsectioncolour{FF0000}\fi
8097 \if@colourgrey
8098   \addresscolour{808080}
8099   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
8100   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
8101   \sectiontitlecolour{808080}
8102   \subsectioncolour{808080}\fi
8103 \renewcommand*{\ttdefault}{pcr}
8104 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
8105 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
8106 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
8107 \renewcommand*{\familynamefont}{\firstnamefont}
8108 \renewcommand*{\quote font}{\large\slshape}
8109 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
8110 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
8111 \newlength{\maketitlenamemaxwidth}
8112 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
8113 \newlength{\maketitlenamefullwidth}
8114 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}

```



```

8115 \newlength{\maketitlewidth}
8116 \ifnum\maketitlewidth<\maketitlefullwidth\setlength{\maketitlewidth}{\maketitlefullwidth}
8117 \newlength{\maketitlepicturewidth}
8118 \setlength{\maketitlepicturewidth}{\@photowidth}
8119 \newlength{\maketitledetailwidth}
8120 \renewcommand*{\recomputethemelengths}{%
8121   \setlength{\maketitledetailwidth}{\textwidth}%
8122   \addtolength{\maketitledetailwidth}{-\maketitlewidth}%
8123   \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
8124   \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
8125 \recomputethemelengths
8126 \newif\if@firstdetailselement\@firstdetailselementtrue
8127 \newcommand*{\maketitledetailnewline}{%
8128   \if@firstdetailselement%
8129     \@firstdetailselementfalse%
8130   \else%
8131     \[.2em]\fi}
8132 \renewcommand*{\maketitle}{%
8133   % name and title
8134   \begin{minipage}[b]{\maketitlewidth}%
8135     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
8136     \ifthenelse{\equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}{}%
8137   \end{minipage}%
8138   % optional data
8139   \begin{minipage}[b]{\maketitledetailwidth}%
8140     \bidi@raggedleft\addressfont\@addresscolour%
8141     \ifthenelse{\isundefined{\@address}}{\[.2em]}{\%
8142       \maketitledetailnewline%
8143       \addresssymbol~\@address}%
8144     \ifthenelse{\isundefined{\@mobile}}{\[.2em]}{\maketitledetailnewline\mobilesymbol~\@mobile}%
8145     \ifthenelse{\isundefined{\@phone}}{\[.2em]}{\maketitledetailnewline\phonesymbol~\@phone}%
8146     \ifthenelse{\isundefined{\@fax}}{\[.2em]}{\maketitledetailnewline\faxsymbol~\@fax}%
8147     \ifthenelse{\isundefined{\@email}}{\[.2em]}{\maketitledetailnewline\emailsymbol~\@email}%
8148     \ifthenelse{\isundefined{\@extrainfo}}{\[.2em]}{\maketitledetailnewline\@extrainfo}%
8149   \end{minipage}%
8150   % optional photo
8151   \ifthenelse{\isundefined{\@photo}}{\[.2em]}{\%
8152     {\hspace*{\separatorcolumnwidth}\color{firstnamedcolor}\framebox{\includegraphics[width=\maketitlepicturewidth]{\@photo}}}%
8153   }
8154   % optional quote
8155   \ifthenelse{\isundefined{\@quote}}{\[.2em]}{\%
8156     {\centering\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[.2em]}
8157   }
8158 }

```

## 47 File dblfnote-xetex-bidi.def

```

8159 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
8160 \let\autofootnoterule\relax
8161 \let\rightfootnoterule\relax

```



```

8162 \let\leftfootnoterule\relax
8163 \let\textwidthfootnoterule\relax
8164 \let\LRfootnoterule\relax
8165 \def\footnoterule{\kern-3\p@
8166   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
8167 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
8168 \let\@footnotetext\dfn@footnotetext}
8169 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
8170   \let\insert\dfn@gobble
8171   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
8172   \def\@makefnmark{\smash{\dfn@makefnmark}}
8173   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
8174   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
8175   \ifdim\dfn@dima>\z@else
8176     \dfn@dima1sp\relax
8177     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
8178   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
8179     \ifvoid\dfn@ins\else
8180       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
8181     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
8182   \setbox\dfn@boxa\copy\dfn@ins
8183   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8184   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
8185   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
8186   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
8187   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
8188 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
8189 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
8190 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
8191   \let\insert\dfn@gobble
8192   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
8193   \def\@makefnmark{\smash{\dfn@makefnmark}}
8194   \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
8195   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
8196   \ifdim\dfn@dima>\z@else
8197     \dfn@dima1sp\relax
8198     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
8199   \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
8200     \ifvoid\dfn@ins\else
8201       \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
8202     \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
8203   \setbox\dfn@boxa\copy\dfn@ins
8204   \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8205   \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
8206   \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
8207   \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
8208   \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
8209 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
8210 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
8211 \def\dfn@RTLmakecol{{\ifvoid\footins\else

```



```

8212 \dfn@dima\ht\footins
8213 \@tempcnta\z@ \dfn@countins
8214 \@tempdima\z@ \let\@elt\dfn@elt@getht
8215 \dfn@list\@nil
8216 \ifdim\@tempdima=\z@\else
8217 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
8218 \global\setbox\dfn@ins\box\dfn@ins
8219 \@tempswatrue
8220 \ifdfn@trysingle
8221 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
8222 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
8223 \advance\@tempdima-\skip\footins
8224 \advance\@tempdima-\ht\dfn@boxa
8225 \ifdim\@tempdima<\z@\else \@tempswafalse
8226 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
8227 \footnoterule \unvbox\dfn@boxa}\fi\fi
8228 \if@tempswa
8229 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8230 \global\setbox\footins\vbox{\hbox{%
8231 \hskip \DFNcolumnwidth
8232 \hskip\DFNcolumnsep
8233 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
8234 \unvbox\dfn@boxb\vss}\hss}
8235 \hskip -\textwidth
8236 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
8237 \vbox to\@tempdima{
8238 \setbox\@tempboxa\vbox{\footnoterule}
8239 \ifdfn@ruleboth \unvbox\@tempboxa
8240 \else \@tempdima\ht\@tempboxa
8241 \advance\@tempdima\dp\@tempboxa
8242 \vskip\@tempdima
8243 \prevdepth\dp\@tempboxa \fi
8244 \unvbox\dfn@boxa\vss}\fi\hss}
8245 \hskip \DFNcolumnsep
8246 \hskip \DFNcolumnwidth}}\fi\fi
8247 \global\dfn@fnht\z@
8248 \ifx\dfn@list\@empty\else
8249 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
8250 \dfn@list \global\advance\dfn@fnht\dfn@dimb
8251 \let\@elt\relax
8252 \ifdim\dfn@dimb>\z@
8253 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
8254 \insert\footins{\floatingpenalty\@MM
8255 \vbox to\dfn@dimb{}}\fi
8256 \ifdim\dfn@fnht>\@tempdima
8257 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
8258 \global\dfn@fnht\@tempdima
8259 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
8260 \xdef\dfn@afteroutput{\insert\footins{
8261 \floatingpenalty\@MM

```



```

8262                                     \vbox to\number\@tempdimb sp{}}}%
8263                                     \global\let\noexpand\dfn@afteroutput\relax}%
8264                                     \fi\fi
8265     \fi}%
8266     \let\footnoterule\relax \dfn@latex@makecol
8267     \let\footnoterule\dfn@footnoterule}
8268 \def\dfn@LTRmakecol{\ifvoid\footins\else
8269     \dfn@dima\ht\footins
8270     \@tempcnta\z@ \dfn@countins
8271     \@tempdima\z@ \let\@elt\dfn@elt@getht
8272     \dfn@list\@nil
8273     \ifdim\@tempdima=\z@\else
8274     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
8275     \global\setbox\dfn@ins\box\dfn@ins
8276     \@tempswatrue
8277     \ifdfn@trysingle
8278         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
8279         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
8280         \advance\@tempdima-\skip\footins
8281         \advance\@tempdima-\ht\dfn@boxa
8282         \ifdim\@tempdima<\z@\else \@tempswafalse
8283             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
8284                 \footnoterule \unvbox\dfn@boxa}\fi\fi
8285     \if@tempswa
8286     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8287     \global\setbox\footins\vbox{\hbox{%
8288         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
8289             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
8290         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
8291             \vbox to\@tempdima{
8292                 \setbox\@tempboxa\vbox{\footnoterule}
8293                 \ifdfn@ruleboth \unvbox\@tempboxa
8294                 \else \@tempdima\ht\@tempboxa
8295                     \advance\@tempdima\dp\@tempboxa
8296                     \vskip\@tempdima
8297                     \prevdepth\dp\@tempboxa \fi
8298                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
8299     \global\dfn@fnht\z@
8300     \ifx\dfn@list\@empty\else
8301         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
8302         \dfn@list \global\advance\dfn@fnht\dfn@dimb
8303         \let\@elt\relax
8304         \ifdim\dfn@dimb>\z@
8305             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
8306             \insert\footins{\floatingpenalty\@MM
8307                 \vbox to\dfn@dimb{}}\fi
8308         \ifdim\dfn@fnht>\@tempdima
8309             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
8310             \global\dfn@fnht\@tempdima
8311             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}}%

```



```

8312 \xdef\dfn@afteroutput{\insert\footins{
8313 \floatingpenalty\MM
8314 \vbox to\number\@tempdimb sp{}}}%
8315 \global\let\noexpand\dfn@afteroutput\relax}%
8316 \fi\fi
8317 \fi}%
8318 \let\footnoterule\relax \dfn@latex@makecol
8319 \let\footnoterule\dfn@footnoterule}
8320 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
8321 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
8322 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
8323 \DFNalwaysdouble

```

## 48 File diagbox-xetex-bidi.def

```

8324 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for
8325 \bidi@patchcmd{\diagbox@double}{%
8326 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8327 }\bidi@@diagbox@double@ii}{%
8328 \bidi@patchcmd{\diagbox@double}{%
8329 \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8330 }\bidi@@diagbox@double@iii}{%
8331 \newcommand*{\bidi@@diagbox@double@ii}{%
8332 \ifRTL
8333 \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
8334 \else
8335 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8336 \fi
8337 }
8338 \newcommand*{\bidi@@diagbox@double@iii}{%
8339 \ifRTL
8340 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8341 \else
8342 \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8343 \fi
8344 }
8345 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8346 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8347 }\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
8348 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8349 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8350 }\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
8351 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8352 \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8353 }\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
8354 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
8355 \ifRTL
8356 \begin{tabular}{@{}}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
8357 \else
8358 \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}

```



```

8359 \fi}
8360 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
8361 \if@RTL
8362 \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8363 \else
8364 \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8365 \fi}
8366 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
8367 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8368 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
8369 {\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
8370 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8371 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8372 {\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8373 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8374 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8375 {\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8376 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
8377 \if@RTL
8378 \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}
8379 \else
8380 \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
8381 \fi
8382 }
8383 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
8384 \if@RTL
8385 \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
8386 \else
8387 \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}
8388 \fi
8389 }
8390 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
8391 \bidi@patchcmd{\diagbox@double@pict@SE}{%
8392 \diagbox@setlinecolor
8393 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
8394 }{%
8395 {\diagbox@setlinecolor
8396 \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
8397 }{-}{-}
8398 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
8399 \bidi@patchcmd{\diagbox@double@pict@NE}{%
8400 \diagbox@setlinecolor
8401 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
8402 }{%
8403 {\diagbox@setlinecolor
8404 \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
8405 }{-}{-}
8406 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
8407 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
8408 \diagbox@setlinecolor

```



```

8409 \Line(0,\yym)(\x,0)
8410 \Line(\xm,\y)(\x,0)%
8411 }{%
8412 {\diagbox@setlinecolor
8413 \Line(0,\yym)(\x,0)
8414 \Line(\xm,\y)(\x,0)}%
8415 }{}{}
8416 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
8417 \diagbox@setlinecolor
8418 \Line(0,0)(\xxm,\y)
8419 \Line(0,0)(\x,\yym)%
8420 }{%
8421 {\diagbox@setlinecolor
8422 \Line(0,0)(\xxm,\y)
8423 \Line(0,0)(\x,\yym)}%
8424 }{}{}
8425 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
8426 \diagbox@setlinecolor
8427 \Line(0,\ym)(\x,\y)
8428 \Line(\xm,0)(\x,\y)%
8429 }{%
8430 {\diagbox@setlinecolor
8431 \Line(0,\ym)(\x,\y)
8432 \Line(\xm,0)(\x,\y)}%
8433 }{}{}
8434 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
8435 \diagbox@setlinecolor
8436 \Line(0,\y)(\xxm,0)
8437 \Line(0,\y)(\x,\ym)%
8438 }{%
8439 {\diagbox@setlinecolor
8440 \Line(0,\y)(\xxm,0)
8441 \Line(0,\y)(\x,\ym)}%
8442 }{}{}

```

## 49 File draftwatermark-xetex-bidi.def

```

8443 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
8444 \renewcommand\SetWatermarkText[1]{%
8445 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

## 50 File eso-pic-xetex-bidi.def

```

8446 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for xetex]
8447 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8448 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}}
8449
8450 \ESO@isMEMOIR{%
8451 \renewcommand\AtTextUpperLeft[1]{%
8452 \beginngroup

```





```

8453 \ifodd\c@page
8454 \@tempdima=\spinemargin
8455 \else
8456 \@tempdima=\paperwidth
8457 \advance\@tempdima-\textwidth
8458 \advance\@tempdima-\spinemargin
8459 \fi
8460 \@tempdimb=-\uppermargin
8461 \AtPageUpperLeft{%
8462 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8463 }%
8464 \endgroup
8465 }
8466 }{%
8467 \renewcommand\AtTextUpperLeft[1]{%
8468 \begingroup
8469 \@tempdima=1in\relax
8470 \ifodd\c@page
8471 \advance\@tempdima\oddsidemargin
8472 \else
8473 \advance\@tempdima\evensidemargin
8474 \fi
8475 \@tempdimb=-1in\relax
8476 \advance\@tempdimb-\topmargin
8477 \advance\@tempdimb-\headheight
8478 \advance\@tempdimb-\headsep
8479 \AtPageUpperLeft{%
8480 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8481 }%
8482 \endgroup
8483 }
8484 }

```

## 51 File empheq-xetex-bidi.def

```

8485 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for X
8486 \MHInternalSyntaxOn
8487 \def\EQ_tag_plus_endmark:{%
8488 \iftagsleft@
8489 \gdef\maketag@@@#1{%
8490 \hfuzz\displaywidth
8491 \if@RTL\makebox[\widthof{#1}][r]{%
8492 \hbox to \displaywidth{\m@th\normalfont#1\hss
8493 \raisebox{-\dp\EQ_mathdisplay_box
8494 -\depthof{\EQ_outerbox:}}{
8495 {\PotEndMark{\hss}}}}
8496 \else\makebox[\widthof{#1}][l]{%
8497 \hbox to \displaywidth{\m@th\normalfont#1\hss
8498 \raisebox{-\dp\EQ_mathdisplay_box
8499 -\depthof{\EQ_outerbox:}}{

```



```

8500         {\PotEndMark{\hss}}}\fi}%
8501 \MH_else:
8502   \gdef\maketag@@@##1{%
8503     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{
8504       \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}%
8505       \MH_addtolength:dn \@tempdima
8506       {\g_EQ_bottomtag_depth_dim+\mintagvsep}
8507       \setlength{\@tempdimb}
8508       {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
8509       +\depthof{\EQ_innerbox:}}}}
8510     \MH_if_dim:w \@tempdima>\@tempdimb
8511     \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8512     -\@tempdima+\g_EQ_bottomrow_depth_dim}
8513     \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
8514     \def\EQ_next:{\raisebox{\@tempdima}}%
8515     \MH_else:
8516     \def\EQ_next:{
8517       \raisebox{-\dp\EQ_mathdisplay_box
8518       -\depthof{\EQ_outerbox:}}}%
8519     \MH_fi:\EQ_next:}}}%
8520 \MH_fi:}
8521 \def\EQ_post_process:{%
8522   \EQ_initialize:
8523   \EQ_begin_equation:
8524   \MH_if_boolean:nT {outer_mult}{
8525     \setkeys{\MT_options_name:}{
8526       firstline-afterskip=0pt,
8527       lastline-preskip=0pt,
8528       multlined-width=0pt,
8529     }
8530     \ifodd \l_EQ_alignmentmode_int
8531     \setkeys{\MT_options_name:}{multlined-pos=b}
8532     \MH_else:
8533     \setkeys{\MT_options_name:}{multlined-pos=t}
8534     \MH_fi:
8535     \g@addto@macro\EQ_complete_mathdisplay:{
8536       \begin{MTmultlined}\relax
8537     }
8538     \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8539     \MH_if_boolean:nT {outer_mult}{
8540       \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8541     }
8542     \EQ_end_equation:
8543     \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8544     \savecounters@
8545     \EQ_typeset_tags:
8546     \edef\l_EQ_equation_fint{\number\c@equation}
8547     \restorecounters@
8548     \Hy@linkcounter=\EQ_hyperref_link_fint
8549     \settowidth\l_EQ_totalwidth_dim{%

```



```

8550   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
8551   \MH_if_boolean:nTF {outer_mult}
8552     { \def\EQ_next:{_mult} }
8553     { \def\EQ_next:{} }
8554   \@nameuse{EQ_modify_linewidth_
8555     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8556   \EQ_typeset_display:
8557   \@nameuse{EQ_find_displaywidth_
8558     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8559   \MH_addtolength:dn
8560   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
8561   \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8562     $\EQ_left_side:
8563     \EQ_innerbox:{%
8564       \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8565       \makebox[\l_EQ_displaywidth_dim][c]
8566         {\usebox{\EQ_mathdisplay_box}}}%
8567     \MH_or:
8568     \makebox[\l_EQ_displaywidth_dim][c]
8569       {\usebox{\EQ_mathdisplay_box}}}%
8570     \MH_or:
8571     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8572       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8573       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8574       \kern-\@mathmargin
8575       \MH_fi:
8576       \MH_fi:
8577       \usebox{\EQ_mathdisplay_box}}}%
8578     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8579       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8580       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8581       \kern-\@mathmargin
8582       \MH_fi:
8583       \MH_fi:
8584       \usebox{\EQ_mathdisplay_box}}\fi%
8585     \MH_or:
8586     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8587       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8588       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8589       \kern-\@mathmargin
8590       \MH_fi:
8591       \MH_fi:
8592       \usebox{\EQ_mathdisplay_box}}
8593     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8594       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8595       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8596       \kern-\@mathmargin
8597       \MH_fi:
8598       \MH_fi:
8599       \usebox{\EQ_mathdisplay_box}}\fi%

```



```

8600 \MH_fi:}%
8601 \EQ_right_side:$}%
8602 \begin{AmSequation*}
8603 \@nameuse{EQ_place_display_
8604 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8605 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8606 \MH_set_boolean_T:n {show_manual_tags}
8607 \MH_if_case:w \l_EQ_alignmentmode_int
8608 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
8609 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
8610 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
8611 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
8612 \MH_fi:
8613 \MH_fi:
8614 \end{AmSequation*}
8615 \global\c@equation=\l_EQ_equation_fint\relax
8616 }
8617 \AtBeginDocument{%
8618 \@ifpackageloaded{fancybox}{%
8619 \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8620 {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}%
8621 \renewcommand*{\shadowbox{%
8622 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
8623 \VerbBox\EQ_shadowbox:n}
8624 {\MH_set_boolean_F:n {shadowbox_star}
8625 \VerbBox\EQ_shadowbox:n}}
8626 \def\EQ_shadowbox:n #1{%
8627 \sbox{\z@}{\fbox{#1}}%
8628 \MH_if_boolean:nTF {shadowbox_star}{
8629 \MH_setlength:dn \@tempdima{\z@}%
8630 }{
8631 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8632 }
8633 \raisebox{\@tempdima}{%
8634 \if@RTL\makebox[\z@][r]{%
8635 \kern\shadowsize \textcolor{shadowcolor}{%
8636 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8637 }%
8638 \else\makebox[\z@][l]{%
8639 \kern\shadowsize \textcolor{shadowcolor}{%
8640 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8641 }\fi%
8642 \usebox\z@\textcolor{shadowcolor}{%
8643 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8644 }{}%
8645 }
8646 \MHInternalSyntaxOff

```

## 52 File extarticle-xetex-bidi.def



```

8647 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8648 \renewcommand*\l@section[2]{%
8649   \ifnum \c@tocdepth >\z@
8650     \addpenalty\@secpenalty
8651     \addvspace{1.0em \@plus\p@}%
8652     \setlength\@tempdima{1.5em}%
8653     \begingroup
8654       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8655       \parfillskip -\@pnumwidth
8656       \leavevmode \bfseries
8657       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
8658       \hskip -\if@RTL\rightskip\else\leftskip\fi
8659       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8660     \endgroup
8661   \fi}
8662 \renewcommand*\l@part[2]{%
8663   \ifnum \c@tocdepth >-2\relax
8664     \addpenalty\@secpenalty
8665     \addvspace{2.25em \@plus\p@}%
8666     \begingroup
8667       \setlength\@tempdima{3em}%
8668       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8669       \parfillskip -\@pnumwidth
8670       {\leavevmode
8671        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8672       \nobreak
8673     \endgroup
8674   \fi}
8675 \def\@part[#1]#2{%
8676   \ifnum \c@secnumdepth >\m@ne
8677     \refstepcounter{part}%
8678     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8679   \else
8680     \addcontentsline{toc}{part}{#1}%
8681   \fi
8682   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8683    \interlinepenalty \@M
8684    \normalfont
8685    \ifnum \c@secnumdepth >\m@ne
8686      \Large\bfseries \partname~\thepart
8687      \par\nobreak
8688    \fi
8689    \huge \bfseries #2%
8690    \markboth{}{}\par}%
8691   \nobreak
8692   \vskip 3ex
8693   \@afterheading}
8694 \def\@spart#1{%
8695   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8696    \interlinepenalty \@M

```



```

8697 \normalfont
8698 \huge \bfseries #1\par}%
8699 \nobreak
8700 \vskip 3ex
8701 \@afterheading}
8702 \renewenvironment{thebibliography}[1]
8703   {\section*{\refname
8704     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
8705     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8706     \bidi@thebibliography@font@hook%
8707     \list{\@biblabel{\@arabic\c@enumiv}}%
8708     {\settowidth\labelwidth{\@biblabel{#1}}%
8709     \leftmargin\labelwidth
8710     \advance\leftmargin\labelsep
8711     \@openbib@code
8712     \usecounter{enumiv}%
8713     \let\p@enumiv\@empty
8714     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8715     \sloppy\clubpenalty4000\widowpenalty4000%
8716     \sfcode`.\@m}
8717   {\def\@noitemerr
8718     {\@latex@warning{Empty `thebibliography' environment}}%
8719     \endlist}
8720 \renewcommand\left@footnoterule{%
8721   \kern-3\p@
8722   \hrule\@width.4\columnwidth
8723   \kern2.6\p@}
8724 \renewcommand\right@footnoterule{%
8725   \kern-3\p@
8726   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8727   \kern2.6\p@}
8728   \if@titlepage
8729   \renewcommand\maketitle{\begin{titlepage}%
8730     \let\footnotesize\small
8731     \let\right@footnoterule\relax
8732     \let\left@footnoterule\relax
8733     \let\textwidth\footnoterule\relax
8734     \let \footnote \thanks
8735     \null\vfil
8736     \vskip 60\p@
8737     \begin{center}%
8738       {\LARGE \@title \par}%
8739       \vskip 3em%
8740       {\large
8741         \lineskip .75em%
8742         \begin{tabular}[t]{c}%
8743           \@author
8744         \end{tabular}\par}%
8745       \vskip 1.5em%
8746       {\large \@date \par}%           % Set date in \large size.

```



```

8747 \end{center}\par
8748 \@thanks
8749 \vfil\null
8750 \end{titlepage}%
8751 \setcounter{footnote}{0}%
8752 \global\let\thanks\relax
8753 \global\let\maketitle\relax
8754 \global\let\@thanks\@empty
8755 \global\let\@author\@empty
8756 \global\let\@date\@empty
8757 \global\let\@title\@empty
8758 \global\let\title\relax
8759 \global\let\author\relax
8760 \global\let\date\relax
8761 \global\let\and\relax
8762 }
8763 \else
8764 \renewcommand\maketitle{\par
8765 \begingroup
8766 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8767 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8768 \long\def\@makefntext##1{\parindent 1em\noindent
8769 \hb@xt@1.8em{%
8770 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8771 \if@twocolumn
8772 \ifnum \col@number=\@ne
8773 \@maketitle
8774 \else
8775 \twocolumn[\@maketitle]%
8776 \fi
8777 \else
8778 \newpage
8779 \global\@topnum\z@ % Prevents figures from going at top of page.
8780 \@maketitle
8781 \fi
8782 \thispagestyle{plain}\@thanks
8783 \endgroup
8784 \setcounter{footnote}{0}%
8785 \global\let\thanks\relax
8786 \global\let\maketitle\relax
8787 \global\let\@maketitle\relax
8788 \global\let\@thanks\@empty
8789 \global\let\@author\@empty
8790 \global\let\@date\@empty
8791 \global\let\@title\@empty
8792 \global\let\title\relax
8793 \global\let\author\relax
8794 \global\let\date\relax
8795 \global\let\and\relax
8796 }

```



```

8797 \def\@maketitle{%
8798   \newpage
8799   \null
8800   \vskip 2em%
8801   \begin{center}%
8802     \let \footnote \thanks
8803     {\LARGE \@title \par}%
8804     \vskip 1.5em%
8805     {\large
8806       \lineskip .5em%
8807       \begin{tabular}[t]{c}%
8808         \@author
8809         \end{tabular}\par}%
8810     \vskip 1em%
8811     {\large \@date}%
8812   \end{center}%
8813   \par
8814   \vskip 1.5em}
8815 \fi
8816 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
8817 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8818 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8819 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

## 53 File extbook-xetex-bidi.def

```

8820 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for X
8821 \if@titlepage
8822 \renewcommand\maketitle{\begin{titlepage}%
8823 \let\footnotesize\small
8824 \let\right@footnoterule\relax
8825 \let\left@footnoterule\relax
8826 \let\textwidth@footnoterule\relax
8827 \let \footnote \thanks
8828 \let \LTRfootnote \LTRthanks
8829 \let \RTLfootnote \RTLthanks
8830 \null\vfil
8831 \vskip 60\p@
8832 \begin{center}%
8833   {\LARGE \@title \par}%
8834   \vskip 3em%
8835   {\large
8836     \lineskip .75em%
8837     \begin{tabular}[t]{c}%
8838       \@author
8839       \end{tabular}\par}%
8840   \vskip 1.5em%
8841   {\large \@date \par}%           % Set date in \large size.
8842 \end{center}\par
8843 \@thanks

```





```

8844 \vfil\null
8845 \end{titlepage}%
8846 \setcounter{footnote}{0}%
8847 \global\let\thanks\relax
8848 \global\let\LTRthanks\relax
8849 \global\let\RTLthanks\relax
8850 \global\let\maketitle\relax
8851 \global\let\@thanks\@empty
8852 \global\let\@author\@empty
8853 \global\let\@date\@empty
8854 \global\let\@title\@empty
8855 \global\let\title\relax
8856 \global\let\author\relax
8857 \global\let\date\relax
8858 \global\let\and\relax
8859 }
8860 \else
8861 \renewcommand\maketitle{\par
8862 \begingroup
8863 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8864 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8865 \long\def\@makefntext##1{\parindent 1em\noindent
8866 \hbext@1.8em{%
8867 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8868 \if@twocolumn
8869 \ifnum \col@number=\@ne
8870 \@maketitle
8871 \else
8872 \twocolumn[\@maketitle]%
8873 \fi
8874 \else
8875 \newpage
8876 \global\@topnum\z@ % Prevents figures from going at top of page.
8877 \@maketitle
8878 \fi
8879 \thispagestyle{plain}\@thanks
8880 \endgroup
8881 \setcounter{footnote}{0}%
8882 \global\let\thanks\relax
8883 \global\let\LTRthanks\relax
8884 \global\let\RTLthanks\relax
8885 \global\let\maketitle\relax
8886 \global\let\@maketitle\relax
8887 \global\let\@thanks\@empty
8888 \global\let\@author\@empty
8889 \global\let\@date\@empty
8890 \global\let\@title\@empty
8891 \global\let\title\relax
8892 \global\let\author\relax
8893 \global\let\date\relax

```



```

8894 \global\let\and\relax
8895 }
8896 \def\@maketitle{%
8897 \newpage
8898 \null
8899 \vskip 2em%
8900 \begin{center}%
8901 \let \footnote \thanks
8902 \let \LTRfootnote \LTRthanks
8903 \let \RTLfootnote \RTLthanks
8904 {\LARGE \@title \par}%
8905 \vskip 1.5em%
8906 {\large
8907 \lineskip .5em%
8908 \begin{tabular}[t]{c}%
8909 \@author
8910 \end{tabular}\par}%
8911 \vskip 1em%
8912 {\large \@date}%
8913 \end{center}%
8914 \par
8915 \vskip 1.5em}
8916 \fi
8917 \renewcommand*\l@part[2]{%
8918 \ifnum \c@tocdepth >-2\relax
8919 \addpenalty{-\@highpenalty}%
8920 \addvspace{2.25em \@plus\p@}%
8921 \begingroup
8922 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
8923 \parfillskip -\@pnumwidth
8924 {\leavevmode
8925 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8926 \nobreak
8927 \global\@nobreaktrue
8928 \everypar{\global\@nobreakfalse\everypar{}}%
8929 \endgroup
8930 \fi}
8931 \renewcommand\theequation
8932 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8933 \renewcommand \thefigure
8934 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8935 \renewcommand \thetable
8936 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8937 \renewcommand \thechapter {\@arabic\c@chapter}
8938 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8939 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8940 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8941 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8942 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8943 \def\@makechapterhead#1{%

```



```

8944 \vspace*{50\p@}%
8945 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8946 \ifnum \c@secnumdepth >\m@ne
8947 \if@mainmatter
8948 \huge\bfseries \@chapapp\space \thechapter
8949 \par\nobreak
8950 \vskip 20\p@
8951 \fi
8952 \fi
8953 \interlinepenalty\@M
8954 \Huge \bfseries #1\par\nobreak
8955 \vskip 40\p@
8956 }}
8957
8958 \def\@makeschapterhead#1{%
8959 \vspace*{50\p@}%
8960 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8961 \normalfont
8962 \interlinepenalty\@M
8963 \Huge \bfseries #1\par\nobreak
8964 \vskip 40\p@
8965 }}
8966 \renewcommand\backmatter{%
8967 \if@openright
8968 \cleardoublepage
8969 \else
8970 \clearpage
8971 \fi
8972 \@mainmatterfalse}
8973 \renewenvironment{thebibliography}[1]
8974 {\chapter*{\bibname
8975 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8976 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8977 \bidi@@thebibliography@font@hook%
8978 \list{\@biblabel{\@arabic\c@enumiv}}%
8979 {\settowidth\labelwidth{\@biblabel{#1}}%
8980 \leftmargin\labelwidth
8981 \advance\leftmargin\labelsep
8982 \@openbib@code
8983 \usecounter{enumiv}%
8984 \let\p@enumiv\@empty
8985 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8986 \sloppy
8987 \clubpenalty4000
8988 \@clubpenalty \clubpenalty
8989 \widowpenalty4000%
8990 \sfcode`\.\@m}
8991 {\def\@noitemerr
8992 {\@latex@warning{Empty `thebibliography' environment}}}%
8993 \endlist}

```



## 54 File extletter-xetex-bidi.def

```

8994 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8995 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8996   \thispagestyle{firstpage}%
8997   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8998 \else % home address
8999   \thispagestyle{empty}%
9000   {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
9001     \fromaddress \*[2\parskip]%
9002     \@date \end{tabular}\par}%
9003 \fi
9004 \vspace{2\parskip}%
9005 {\if@RTL\raggedleft\else\raggedright\fi \toname \\\ toaddress \par}%
9006 \vspace{2\parskip}%
9007 #1\par\nobreak}
9008 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
9009 \stopbreaks
9010 \noindent
9011 \ifx\@empty\fromaddress\else
9012 \hspace*{\longindentation}\fi
9013 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
9014   \ignorespaces #1\\[6\medskipamount]%
9015   \ifx\@empty\fromsig
9016     \fromname
9017   \else \fromsig \fi\strut}%
9018 \par}
9019 \renewcommand\left@footnoterule{%
9020 \kern-\p@
9021 \hrule \@width .4\columnwidth
9022 \kern .6\p@}
9023 \renewcommand\right@footnoterule{%
9024 \kern-\p@
9025 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
9026 \kern .6\p@}

```

## 55 File extrafootnotefeatures-xetex-bidi.def

```

9027 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2018/10/11 v1.7 bidi extra footnote features]
9028 \newif\if@bidi@void@footins
9029 \newif\if@bidi@void@mpfootins
9030 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
9031 \if@bidi@csundef\ifHy@hyperfootnotes\}{}%
9032 \if@bidi@csundef{HLTR@LTRfootnotetext}\}{}%
9033 \ifHy@hyperfootnotes
9034 \let\@H@footnotetext\@footnotetext
9035 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
9036 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
9037 \let\@H@mpfootnotetext\@mpfootnotetext
9038 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext

```



```

9039 \let\@HRTL@mpRTLfootnotetext\mpRTLfootnotetext
9040 \fi
9041 }%
9042 }%
9043 }
9044 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
9045 \if@bidi@csundef{ifHy@hyperfootnotes}{}%
9046 \if@bidi@csundef{HLTR@LTRfootnotetext}{}%
9047 \ifHy@hyperfootnotes
9048 \let\H@@footnotetext\footnotetext
9049 \let\@footnotetext\@H@@footnotetext
9050 \let\HLTR@LTRfootnotetext\LTRfootnotetext
9051 \let\@LTRfootnotetext\@HLTR@LTRfootnotetext
9052 \let\HRTL@RTLfootnotetext\RTLfootnotetext
9053 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
9054 \let\H@mpfootnotetext\mpfootnotetext
9055 \let\@mpfootnotetext\@H@mpfootnotetext
9056 \let\HLTR@mpLTRfootnotetext\mpLTRfootnotetext
9057 \let\@mpLTRfootnotetext\@HLTR@mpLTRfootnotetext
9058 \let\HRTL@mpRTLfootnotetext\mpRTLfootnotetext
9059 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
9060 \fi
9061 }%
9062 }%
9063 }
9064 \let\autofooterule\relax
9065 \let\rightfootnoterule\relax
9066 \let\leftfootnoterule\relax
9067 \let\textwidthfootnoterule\relax
9068 \let\LRfootnoterule\relax
9069 \def\footnoterule{\kern-3\p@
9070 \hrule \@width \columnwidth \kern 2.6\p@}
9071 \newcommand{\@preamnormalfmt}{%
9072 \parindent 1em%
9073 \noindent
9074 }
9075 \newcommand{\@normalfootfmt}[1]{%
9076 \@preamnormalfmt
9077 \footfootmark
9078 \rule{z@\footnotesep}{\ignorespaces{\foottextfont #1}%
9079 \@finalstrut\strutbox
9080 }
9081 \newcommand{\@normalRTLfootfmt}[1]{%
9082 \@preamnormalfmt
9083 \RTLfootfootmark
9084 \rule{z@\footnotesep}{\ignorespaces{\RTLfoottextfont #1}%
9085 \@finalstrut\strutbox
9086 }
9087 \newcommand{\@normalLTRfootfmt}[1]{%
9088 \@preamnormalfmt

```



```

9089 \LTRfootfootmark
9090 \rule{z@\footnotesep\ignorespaces}{\LTRfoottextfont #1}%
9091 \@finalstrut\strutbox
9092 }
9093 \renewcommand{\@footnotetext}[1]{%
9094   \insert\footins{%
9095     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9096     \def\baselinestretch{\m@m@footnote@spacing}%
9097     \reset@font
9098     \foottextfont
9099     \@preamfntext
9100     \hsize\columnwidth
9101     \protected@edef\@currentlabel{%
9102       \csname p@footnote\endcsname\@thefnmark}%
9103     \color@begingroup
9104       \@normalfootfmt{#1}%
9105     \color@endgroup}%
9106     \m@mmf@prepare}
9107 \renewcommand{\@RTLfootnotetext}[1]{%
9108   \insert\footins{%
9109     \@RTLtrue%
9110     \def\baselinestretch{\m@m@footnote@spacing}%
9111     \reset@font
9112     \RTLfoottextfont
9113     \@preamfntext
9114     \hsize\columnwidth
9115     \protected@edef\@currentlabel{%
9116       \csname p@footnote\endcsname\@thefnmark}%
9117     \color@begingroup
9118       \@normalRTLfootfmt{#1}%
9119     \color@endgroup}%
9120     \m@mmf@prepare}
9121 \renewcommand{\@LTRfootnotetext}[1]{%
9122   \insert\footins{%
9123     \@RTLfalse%
9124     \def\baselinestretch{\m@m@footnote@spacing}%
9125     \reset@font
9126     \LTRfoottextfont
9127     \@preamfntext
9128     \hsize\columnwidth
9129     \protected@edef\@currentlabel{%
9130       \csname p@footnote\endcsname\@thefnmark}%
9131     \color@begingroup
9132       \@normalLTRfootfmt{#1}%
9133     \color@endgroup}%
9134     \m@mmf@prepare}
9135 \renewcommand{\@mpfootnotetext}[1]{%
9136   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9137     \unvbox\@mpfootins
9138     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9139 \reset@font%
9140 \foottextfont \hsize\columnwidth \@parboxrestore
9141 \protected@edef\@currentlabel{%
9142 \csname p@mpfootnote\endcsname\@thefnmark}%
9143 \color@begingroup
9144 \@normalfootfmt{#1}%
9145 \color@endgroup}}
9146 \renewcommand{\@mpLTRfootnotetext}[1]{%
9147 \global\setbox\@mpfootins\vbox{\@RTLfalse%
9148 \unvbox\@mpfootins
9149 \def\baselinestretch{\m@m@footnote@spacing}%
9150 \reset@font%
9151 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
9152 \protected@edef\@currentlabel{%
9153 \csname p@mpfootnote\endcsname\@thefnmark}%
9154 \color@begingroup
9155 \@normalLTRfootfmt{#1}%
9156 \color@endgroup}}
9157 \renewcommand{\@mpRTLfootnotetext}[1]{%
9158 \global\setbox\@mpfootins\vbox{\@RTLtrue%
9159 \unvbox\@mpfootins
9160 \def\baselinestretch{\m@m@footnote@spacing}%
9161 \reset@font%
9162 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
9163 \protected@edef\@currentlabel{%
9164 \csname p@mpfootnote\endcsname\@thefnmark}%
9165 \color@begingroup
9166 \@normalRTLfootfmt{#1}%
9167 \color@endgroup}}
9168 \let\m@mold@footnotetext\@footnotetext
9169 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
9170 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
9171 \let\m@mold@mpfootnotetext\@mpfootnotetext
9172 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
9173 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
9174 \bidi@ensure@newcommand{\normalfootnotes}{%
9175 \@bidi@before@Hy@hyperfootnotes
9176 \let\@footnotetext\m@mold@footnotetext
9177 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
9178 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
9179 \let\@mpfootnotetext\m@mold@mpfootnotetext
9180 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
9181 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
9182 \@bidi@after@Hy@hyperfootnotes
9183 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9184 }
9185 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
9186 \bidi@ensure@newcommand*\@RTLcolumnfootnotes{\@RTLcolumnfootnotesttrue}
9187 \bidi@ensure@newcommand*\@LTRcolumnfootnotes{\@RTLcolumnfootnotesfalse}
9188 \bidi@ensure@newcommand*\@setSingleSpace[1]{%

```



```

9189 \def\m@m@singlespace{#1}%
9190 \def\m@m@footnote@spacing{#1}%
9191 \def\m@m@float@spacing{#1} %
9192 }
9193 \setSingleSpace{1}
9194 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
9195 \bidi@ensure@newcommand*{\m@mmf@prepare}{%
9196   \kern-\multiplefootnotemarker
9197   \kern\multiplefootnotemarker\relax}
9198 \bidi@ensure@newlength{\footmarkwidth}
9199 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
9200 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
9201 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
9202 \bidi@ensure@newcommand{\footfootmark}{%
9203   \ifdim\footmarkwidth < \z@
9204     \llap{\hb@xt@ -\footmarkwidth{%
9205       \hss\normalfont\footscript{\@thefnmark}}}%
9206     \hspace*{-\footmarkwidth}}%
9207   \else
9208     \ifdim\footmarkwidth = \z@
9209       {\normalfont\footscript{\@thefnmark}}%
9210     \else
9211       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
9212     \fi
9213   \fi}
9214 \bidi@ensure@newcommand{\LTRfootfootmark}{%
9215   \ifdim\footmarkwidth < \z@
9216     \llap{\hb@xt@ -\footmarkwidth{%
9217       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
9218     \hspace*{-\footmarkwidth}}%
9219   \else
9220     \ifdim\footmarkwidth = \z@
9221       {\normalfont\LTRfootscript{\@thefnmark}}%
9222     \else
9223       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
9224     \fi
9225   \fi}
9226 \bidi@ensure@newcommand{\RTLfootfootmark}{%
9227   \ifdim\footmarkwidth < \z@
9228     \llap{\hb@xt@ -\footmarkwidth{%
9229       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
9230     \hspace*{-\footmarkwidth}}%
9231   \else
9232     \ifdim\footmarkwidth = \z@
9233       {\normalfont\RTLfootscript{\@thefnmark}}%
9234     \else
9235       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
9236     \fi
9237   \fi}
9238 \footmarkstyle{\textsuperscript{#1}}

```





```

9239 \LTRfootmarkstyle{\textsuperscript{#1}}
9240 \RTLfootmarkstyle{\textsuperscript{#1}}
9241 \newcommand*{\bidi@normal@footmarkwidth}{%
9242   \setlength{\footmarkwidth}{1em plus.4em minus.4em}%
9243 }
9244 \newcommand*{\bidi@star@footmarkwidth}{%
9245   \setlength{\footmarkwidth}{0em plus.4em minus.4em}%
9246 }
9247 \bidi@normal@footmarkwidth
9248 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
9249 \bidi@ensure@newcommand{\extrafeetins}{%
9250   \setbox\@outputbox \vbox{%
9251     \boxmaxdepth \@maxdepth
9252     \unvbox\@outputbox
9253     \ifvoid\footinsv@r
9254       \ifvoid\footinsv@l
9255       \else
9256         \@footstartv@l
9257         \@LTRfootgroupv@l
9258       \fi
9259     \else
9260       \@footstartv@r
9261       \@footgroupv@r
9262       \ifvoid\footinsv@l
9263       \else
9264         @@footstart@@v@l
9265         \@LTRfootgroupv@l
9266       \fi
9267     \fi
9268     \ifvoid\@bidi@copyins@
9269     \else
9270       \vskip \skip\@bidi@copyins@
9271       \color@begingroup
9272       \normalcolor
9273       \unvbox \@bidi@copyins@
9274       \color@endgroup
9275     \fi
9276     \extrafeetinshook}}
9277 \bidi@ensure@newcommand{\extrafeetinshook}{}
9278 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
9279 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
9280 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
9281 \bidi@ensure@newlength{\footinsdim}
9282 \setlength{\footinsdim}{8in} % standard for \dimen\footins
9283 \bidi@ensure@newcommand{\@preamfntext}{%
9284   \interlinepenalty\interfootnotelinepenalty
9285   \floatingpenalty \@MM
9286   \splittopskip=\footnotesep
9287   \splitmaxdepth=\dp\strutbox
9288   \@parboxrestore}

```



```

9289 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
9290   \extrafeetminihook}
9291 \bidi@ensure@newcommand{\extrafeetendmini}{%
9292   \ifvoid\@mpfootinsv@r
9293     \ifvoid\@mpfootinsv@l
9294     \else
9295       \vskip\skip\@mpfootins
9296       \normalcolor
9297       \if@bidi@void\@mpfootins
9298         \footnoterule
9299       \fi
9300       \mp@LTRfootgroupv@l
9301     \fi
9302   \else
9303     \vskip\skip\@mpfootins
9304     \normalcolor
9305     \if@bidi@void\@mpfootins
9306       \footnoterule
9307     \fi
9308     \mp@footgroupv@r
9309     \ifvoid\@mpfootinsv@l
9310     \else
9311       \vskip\skip\@mpfootins
9312       \normalcolor\mp@LTRfootgroupv@l
9313     \fi
9314   \fi
9315   \extrafeetendminihook}
9316 \bidi@ensure@newcommand{\extrafeetendminihook}{}
9317 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
9318 \def\endminipage{%
9319   \par
9320   \unskip
9321   \ifvoid\@mpfootins
9322     \global\@bidi@void\@mpfootinstrue
9323   \else
9324     \global\@bidi@void\@mpfootinsfalse
9325     \vskip\skip\@mpfootins
9326     \normalcolor
9327     \footnoterule
9328     \unvbox\@mpfootins
9329   \fi
9330   \m@mdoextrafeetendmini
9331   \@minipagefalse
9332   \color@endgroup
9333   \egroup
9334   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
9335 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
9336   \@namedef{@footstart#1}{%
9337     \bidi@mopfn@bottom
9338     \leftskip=\z@

```



```

9339 \rightskip=\z@
9340 \parindent=\z@
9341 \vskip\skip\footins
9342 \footnoterule}}
9343 \newinsert\footinsv@r
9344 \skip\footinsv@r\bigskipamount
9345 \count\footinsv@r=1000 % no magnification
9346 \dimen\footinsv@r=\footinsdim
9347 \m@make@footstart{v@r}
9348 \newinsert\footinsv@l
9349 \skip\footinsv@l\bigskipamount
9350 \bidi@ensure@newcommand{\@footgroupv@r}{}
9351 \newinsert\@mpfootinsv@r
9352 \newinsert\@mpfootinsv@l
9353 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
9354 \newcount\m@m@k \newdimen\m@m@h
9355 \@ifpackageloaded{multicol}{%
9356 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9357 \hsize\textwidth
9358 @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9359 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
9360 }{%
9361 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9362 @@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9363 \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
9364 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
9365 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
9366 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
9367 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
9368 \setbox2 \vsplit0 to \dimen0
9369 \unvbox2 }
9370 \bidi@ensure@newcommand{\twocolfootnotes}{%
9371 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9372 \@bidi@before@Hy@hyperfootnotes
9373 \let\@footnotetext\@twocolfootnotetext
9374 \let\@LTRfootnotetext\@twocolLTRfootnotetext
9375 \let\@RTLfootnotetext\@twocolRTLfootnotetext
9376 \dimen\footinsv@r=2\footinsdim
9377 \count\footinsv@r=500\relax
9378 \m@make@twocol@footgroup{v@r}%
9379 \let\@footgroupv@r\@twocol@footgroupv@r
9380 \let\@mpfootnotetext\@mptwocolfootnotetext
9381 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
9382 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
9383 \@bidi@after@Hy@hyperfootnotes
9384 \m@make@mptwocol@footgroup{v@r}%
9385 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
9386 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9387 }
9388 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue

```



```

9389 \def\baselinestretch{\m@m@footnote@spacing}%
9390 \reset@font\foottextfont
9391 \@preamfntext
9392 \protected@edef\@currentlabel{%
9393   \csname p@footnote\endcsname\@thefnmark}%
9394 \color@begingroup
9395   \@twocolfootfmt{#1}%
9396 \color@endgroup}%
9397 \m@mmf@prepare}
9398 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9399 \def\baselinestretch{\m@m@footnote@spacing}%
9400 \reset@font\LTRfoottextfont
9401 \@preamfntext
9402 \protected@edef\@currentlabel{%
9403   \csname p@footnote\endcsname\@thefnmark}%
9404 \color@begingroup
9405   \@twocolLTRfootfmt{#1}%
9406 \color@endgroup}%
9407 \m@mmf@prepare}
9408 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9409 \def\baselinestretch{\m@m@footnote@spacing}%
9410 \reset@font\RTLfoottextfont
9411 \@preamfntext
9412 \protected@edef\@currentlabel{%
9413   \csname p@footnote\endcsname\@thefnmark}%
9414 \color@begingroup
9415   \@twocolRTLfootfmt{#1}%
9416 \color@endgroup}%
9417 \m@mmf@prepare}
9418 \bidi@ensure@newcommand{\@preamtwofmt}{%
9419 \hspace{.45\hspace}
9420 \parindent=\z@
9421 \tolerance=5000\relax
9422 \leavevmode}
9423 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
9424 \@preamtwofmt
9425 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9426 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
9427 \@preamtwofmt
9428 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9429 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
9430 \@preamtwofmt
9431 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9432 \bidi@ensure@newcommand{\@emptwocolfootnotetext}[1]{%
9433 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9434   \unvbox\@mpfootinsv@r
9435   \def\baselinestretch{\m@m@footnote@spacing}%
9436   \reset@font\foottextfont
9437   \hspace\columnwidth \@parboxrestore
9438   \protected@edef\@currentlabel{%

```



```

9439 \csname p@mpfootnote\endcsname\@thefnmark}%
9440 \color@begingroup
9441 \@twocolfootfmt{#1}%
9442 \color@endgroup}%
9443 \m@mmf@prepare}
9444 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
9445 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9446 \unvbox\@mpfootinsv@r
9447 \def\baselinestretch{\m@m@footnote@spacing}%
9448 \reset@font\LTRfoottextfont
9449 \hsize\columnwidth \@parboxrestore
9450 \ifRTLcolumnfootnotes\beginL\fi
9451 \protected@edef\@currentlabel{%
9452 \csname p@mpfootnote\endcsname\@thefnmark}%
9453 \color@begingroup
9454 \@twocolLTRfootfmt{#1}%
9455 \color@endgroup}%
9456 \m@mmf@prepare}
9457 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
9458 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9459 \unvbox\@mpfootinsv@r
9460 \def\baselinestretch{\m@m@footnote@spacing}%
9461 \reset@font\RTLfoottextfont
9462 \hsize\columnwidth \@parboxrestore
9463 \protected@edef\@currentlabel{%
9464 \csname p@mpfootnote\endcsname\@thefnmark}%
9465 \color@begingroup
9466 \@twocolRTLfootfmt{#1}%
9467 \color@endgroup}%
9468 \m@mmf@prepare}
9469 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
9470 \@namedef{@twocol@footgroup#1}{%
9471 \def\baselinestretch{\m@m@footnote@spacing}%
9472 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9473 \m@mrigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}%
9474 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
9475 \@namedef{@mptwocol@footgroup#1}{%
9476 \def\baselinestretch{\m@m@footnote@spacing}%
9477 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9478 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}%
9479 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
9480 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9481 \@bidi@before@Hy@hyperfootnotes
9482 \let\@footnotetext\@threecolfootnotetext
9483 \let\@LTRfootnotetext\@threecolLTRfootnotetext
9484 \let\@RTLfootnotetext\@threecolRTLfootnotetext
9485 \dimen\footinsv@r=3\footinsdim
9486 \count\footinsv@r=333\relax
9487 \m@make@threecol@footgroup{v@r}%
9488 \let\@footgroupv@r\@threecol@footgroupv@r

```



```

9489 \let\@mpfootnotetext\@mpthreecolfootnotetext
9490 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
9491 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
9492 \@bidi@after@Hy@hyperfootnotes
9493 \m@make@mpthreecol@footgroup{v@r}%
9494 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
9495 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9496 }
9497 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9498 \def\baselinestretch{\m@m@footnote@spacing}%
9499 \reset@font\foottextfont
9500 \@preamfntext
9501 \protected@edef\@currentlabel{%
9502 \csname p@footnote\endcsname\@thefnmark}%
9503 \color@begingroup
9504 \@threecolfootfmt{#1}%
9505 \color@endgroup}\m@mmf@prepare}
9506 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9507 \def\baselinestretch{\m@m@footnote@spacing}%
9508 \reset@font\LTRfoottextfont
9509 \@preamfntext
9510 \protected@edef\@currentlabel{%
9511 \csname p@footnote\endcsname\@thefnmark}%
9512 \color@begingroup
9513 \@threecolLTRfootfmt{#1}%
9514 \color@endgroup}\m@mmf@prepare}
9515 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9516 \def\baselinestretch{\m@m@footnote@spacing}%
9517 \reset@font\RTLfoottextfont
9518 \@preamfntext
9519 \protected@edef\@currentlabel{%
9520 \csname p@footnote\endcsname\@thefnmark}%
9521 \color@begingroup
9522 \@threecolRTLfootfmt{#1}%
9523 \color@endgroup}\m@mmf@prepare}
9524 \bidi@ensure@newcommand{\@preamthreefmt}{%
9525 \hsize .3\hsize
9526 \parindent=\z@
9527 \tolerance=5000\relax
9528 \leavevmode}
9529 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9530 \@preamthreefmt
9531 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9532 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9533 \@preamthreefmt
9534 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9535 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9536 \@preamthreefmt
9537 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9538 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%

```



```

9539 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9540 \unvbox\@mpfootinsv@r
9541 \def\baselinestretch{\m@m@footnote@spacing}%
9542 \reset@font\foottextfont
9543 \hsize\columnwidth \@parboxrestore
9544 \protected@edef\@currentlabel{%
9545 \csname p@mpfootnote\endcsname\@thefnmark}%
9546 \color@begingroup
9547 \@threecolfootfmt{#1}%
9548 \color@endgroup}\m@m@mmf@prepare}
9549 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9550 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9551 \unvbox\@mpfootinsv@r
9552 \def\baselinestretch{\m@m@footnote@spacing}%
9553 \reset@font\LTRfoottextfont
9554 \hsize\columnwidth \@parboxrestore
9555 \if@RTLcolumnfootnotes\beginL\fi
9556 \protected@edef\@currentlabel{%
9557 \csname p@mpfootnote\endcsname\@thefnmark}%
9558 \color@begingroup
9559 \@threecolLTRfootfmt{#1}%
9560 \color@endgroup}\m@m@mmf@prepare}
9561 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
9562 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9563 \unvbox\@mpfootinsv@r
9564 \def\baselinestretch{\m@m@footnote@spacing}%
9565 \reset@font\RTLfoottextfont
9566 \hsize\columnwidth \@parboxrestore
9567 \protected@edef\@currentlabel{%
9568 \csname p@mpfootnote\endcsname\@thefnmark}%
9569 \color@begingroup
9570 \@threecolRTLfootfmt{#1}%
9571 \color@endgroup}\m@m@mmf@prepare}
9572 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9573 \@namedef{\@threecol@footgroup#1}{%
9574 \def\baselinestretch{\m@m@footnote@spacing}%
9575 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9576 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@{\splittopskip}}}}
9577 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9578 \@namedef{\@mpthreecol@footgroup#1}{%
9579 \def\baselinestretch{\m@m@footnote@spacing}%
9580 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9581 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{\thr@@{\splittopskip}}}}
9582 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9583 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9584 \@bidi@before@Hy@hyperfootnotes
9585 \let\@footnotetext\@fourcolfootnotetext
9586 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9587 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9588 \dimen\footinsv@r=4\footinsdim

```



```

9589 \count\footinsv@r=250\relax
9590 \m@make@fourcol@footgroup{v@r}%
9591 \let\@footgroupv@r\@fourcol@footgroupv@r
9592 \let\@mpfootnotetext\@mpfourcolfootnotetext
9593 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9594 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9595 \@bidi@after@Hy@hyperfootnotes
9596 \m@make@mpfourcol@footgroup{v@r}%
9597 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
9598 \ifstar\@bidi@star@footmarkwidth\@bidi@normal@footmarkwidth
9599 }
9600 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9601 \def\baselinestretch{\m@m@footnote@spacing}%
9602 \reset@font\foottextfont
9603 \@preamfntext
9604 \protected@edef\@currentlabel{%
9605 \csname p@footnote\endcsname\@thefnmark}%
9606 \color@begingroup
9607 \@fourcolfootfmt{#1}%
9608 \color@endgroup}%
9609 \m@mmf@prepare}
9610 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLColumnfootnotes%
9611 \def\baselinestretch{\m@m@footnote@spacing}%
9612 \reset@font\LTRfoottextfont
9613 \@preamfntext
9614 \protected@edef\@currentlabel{%
9615 \csname p@footnote\endcsname\@thefnmark}%
9616 \color@begingroup
9617 \@fourcolLTRfootfmt{#1}%
9618 \color@endgroup}%
9619 \m@mmf@prepare}
9620 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9621 \def\baselinestretch{\m@m@footnote@spacing}%
9622 \reset@font\RTLfoottextfont
9623 \@preamfntext
9624 \protected@edef\@currentlabel{%
9625 \csname p@footnote\endcsname\@thefnmark}%
9626 \color@begingroup
9627 \@fourcolRTLfootfmt{#1}%
9628 \color@endgroup}%
9629 \m@mmf@prepare}
9630 \bidi@ensure@newcommand{\@preamfourfmt}{%
9631 \hspace{.25\hspace}
9632 \parindent=\z@
9633 \tolerance=5000\relax
9634 \leavevmode}
9635 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9636 \@preamfourfmt
9637 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9638 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%

```





```

9639 \@preamfourfmt
9640 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9641 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9642 \@preamfourfmt
9643 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9644 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9645 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9646 \unvbox\@mpfootinsv@r
9647 \def\baselinestretch{\m@m@footnote@spacing}%
9648 \reset@font\foottextfont
9649 \hsize\columnwidth \@parboxrestore
9650 \protected@edef\@currentlabel{%
9651 \csname p@mpfootnote\endcsname\@thefnmark}%
9652 \color@begingroup
9653 \@fourcolfootfmt{#1}%
9654 \color@endgroup}%
9655 \m@mmf@prepare}
9656 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9657 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9658 \unvbox\@mpfootinsv@r
9659 \def\baselinestretch{\m@m@footnote@spacing}%
9660 \reset@font\LTRfoottextfont
9661 \hsize\columnwidth \@parboxrestore
9662 \if@RTLcolumnfootnotes\beginL\fi
9663 \protected@edef\@currentlabel{%
9664 \csname p@mpfootnote\endcsname\@thefnmark}%
9665 \color@begingroup
9666 \@fourcolLTRfootfmt{#1}%
9667 \color@endgroup}%
9668 \m@mmf@prepare}
9669 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9670 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9671 \unvbox\@mpfootinsv@r
9672 \def\baselinestretch{\m@m@footnote@spacing}%
9673 \reset@font\RTLfoottextfont
9674 \hsize\columnwidth \@parboxrestore
9675 \protected@edef\@currentlabel{%
9676 \csname p@mpfootnote\endcsname\@thefnmark}%
9677 \color@begingroup
9678 \@fourcolRTLfootfmt{#1}%
9679 \color@endgroup}%
9680 \m@mmf@prepare}
9681 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9682 \@namedef{\@fourcol@footgroup#1}{%
9683 \def\baselinestretch{\m@m@footnote@spacing}%
9684 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9685 \m@r@rigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
9686 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9687 \@namedef{\@mpfourcol@footgroup#1}{%
9688 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9689 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9690 \m@mrigidbalance{\nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
9691 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9692 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9693 \@bidi@before@Hy@hyperfootnotes
9694 \let\@footnotetext\@fivecolfootnotetext
9695 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9696 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9697 \dimen\footinsv@r=5\footinsdim
9698 \count\footinsv@r=200\relax
9699 \m@make@fivecol@footgroup{v@r}%
9700 \let\@footgroupv@r\@fivecol@footgroupv@r
9701 \let\@mpfootnotetext\@mpfivecolfootnotetext
9702 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9703 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9704 \@bidi@after@Hy@hyperfootnotes
9705 \m@make@mpfivecol@footgroup{v@r}%
9706 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
9707 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9708 }
9709 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9710 \def\baselinestretch{\m@m@footnote@spacing}%
9711 \reset@font\foottextfont
9712 \@preamfntext
9713 \protected@edef\@currentlabel{%
9714 \csname p@footnote\endcsname\@thefnmark}%
9715 \color@begingroup
9716 \@fivecolfootfmt{#1}%
9717 \color@endgroup}%
9718 \m@mmf@prepare}
9719 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9720 \def\baselinestretch{\m@m@footnote@spacing}%
9721 \reset@font\LTRfoottextfont
9722 \@preamfntext
9723 \protected@edef\@currentlabel{%
9724 \csname p@footnote\endcsname\@thefnmark}%
9725 \color@begingroup
9726 \@fivecolLTRfootfmt{#1}%
9727 \color@endgroup}%
9728 \m@mmf@prepare}
9729 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9730 \def\baselinestretch{\m@m@footnote@spacing}%
9731 \reset@font\RTLfoottextfont
9732 \@preamfntext
9733 \protected@edef\@currentlabel{%
9734 \csname p@footnote\endcsname\@thefnmark}%
9735 \color@begingroup
9736 \@fivecolRTLfootfmt{#1}%
9737 \color@endgroup}%
9738 \m@mmf@prepare}

```



```

9739 \bidi@ensure@newcommand{\@preamfivefmt}{%
9740   \hsize .2\hsize
9741   \parindent=\z@
9742   \tolerance=5000\relax
9743   \leavevmode}
9744 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9745   \@preamfivefmt
9746   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9747 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9748   \@preamfivefmt
9749   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9750 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9751   \@preamfivefmt
9752   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9753 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9754   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9755     \unvbox\@mpfootinsv@r
9756     \def\baselinestretch{\m@m@footnote@spacing}%
9757     \reset@font\foottextfont
9758     \hsize\columnwidth \@parboxrestore
9759     \protected@edef\@currentlabel{%
9760       \csname p@mpfootnote\endcsname\@thefnmark}%
9761     \color@begingroup
9762       \@fivecolfootfmt{#1}%
9763     \color@endgroup}%
9764   \m@mmf@prepare}
9765 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9766   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9767     \unvbox\@mpfootinsv@r
9768     \def\baselinestretch{\m@m@footnote@spacing}%
9769     \reset@font\LTRfoottextfont
9770     \hsize\columnwidth \@parboxrestore
9771     \if@RTLcolumnfootnotes\beginL\fi
9772     \protected@edef\@currentlabel{%
9773       \csname p@mpfootnote\endcsname\@thefnmark}%
9774     \color@begingroup
9775       \@fivecolLTRfootfmt{#1}%
9776     \color@endgroup}%
9777   \m@mmf@prepare}
9778 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9779   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9780     \unvbox\@mpfootinsv@r
9781     \def\baselinestretch{\m@m@footnote@spacing}%
9782     \reset@font\RTLfoottextfont
9783     \hsize\columnwidth \@parboxrestore
9784     \protected@edef\@currentlabel{%
9785       \csname p@mpfootnote\endcsname\@thefnmark}%
9786     \color@begingroup
9787       \@fivecolRTLfootfmt{#1}%
9788     \color@endgroup}%

```



```

9789 \m@mmf@prepare}
9790 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9791 \@namedef{@fivecol@footgroup#1}{%
9792 \def\baselinestretch{\m@m@footnote@spacing}%
9793 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9794 \m@r rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
9795 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9796 \@namedef{@mpfivecol@footgroup#1}{%
9797 \def\baselinestretch{\m@m@footnote@spacing}%
9798 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9799 \m@r rigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}%
9800 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9801 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9802 \@bidi@before@Hy@hyperfootnotes
9803 \let\@footnotetext\@sixcolfootnotetext
9804 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9805 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9806 \dimen\footinsv@r=6\footinsdim
9807 \count\footinsv@r=166\relax
9808 \m@make@sixcol@footgroup{v@r}%
9809 \let\@footgroupv@r\@sixcol@footgroupv@r
9810 \let\@mpfootnotetext\@mpsixcolfootnotetext
9811 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9812 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9813 \@bidi@after@Hy@hyperfootnotes
9814 \m@make@mpsixcol@footgroup{v@r}%
9815 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
9816 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9817 }
9818 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9819 \def\baselinestretch{\m@m@footnote@spacing}%
9820 \reset@font\foottextfont
9821 \@preamfntext
9822 \protected@edef\@currentlabel{%
9823 \csname p@footnote@endcsname\@thefnmark}%
9824 \color@begingroup
9825 \@sixcolfootfmt{#1}%
9826 \color@endgroup}%
9827 \m@mmf@prepare}
9828 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9829 \def\baselinestretch{\m@m@footnote@spacing}%
9830 \reset@font\LTRfoottextfont
9831 \@preamfntext
9832 \protected@edef\@currentlabel{%
9833 \csname p@footnote@endcsname\@thefnmark}%
9834 \color@begingroup
9835 \@sixcolLTRfootfmt{#1}%
9836 \color@endgroup}%
9837 \m@mmf@prepare}
9838 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%

```



```

9839 \def\baselinestretch{\m@m@footnote@spacing}%
9840 \reset@font\RTLfoottextfont
9841 \@preamfntext
9842 \protected@edef\@currentlabel{%
9843   \csname p@footnote\endcsname\@thefnmark}%
9844 \color@begingroup
9845   \@sixcolRTLfootfmt{#1}%
9846 \color@endgroup}%
9847 \m@mmf@prepare}
9848 \bidi@ensure@newcommand{\@preamsixfmt}{%
9849   \hsize .16\hsize
9850   \parindent=\z@
9851   \tolerance=5000\relax
9852   \leavevmode}
9853 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9854   \@preamsixfmt
9855   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9856 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9857   \@preamsixfmt
9858   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9859 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9860   \@preamsixfmt
9861   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9862 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
9863 \global\setbox\@mpfootinsv@r\vbox{%
9864   \unvbox\@mpfootinsv@r
9865   \def\baselinestretch{\m@m@footnote@spacing}%
9866   \reset@font\foottextfont
9867   \hsize\columnwidth \@parboxrestore
9868   \protected@edef\@currentlabel{%
9869     \csname p@mpfootnote\endcsname\@thefnmark}%
9870   \color@begingroup
9871     \@sixcolfootfmt{#1}%
9872   \color@endgroup}%
9873   \m@mmf@prepare}
9874 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
9875   \global\setbox\@mpfootinsv@r\vbox{%
9876     \unvbox\@mpfootinsv@r
9877     \def\baselinestretch{\m@m@footnote@spacing}%
9878     \reset@font\LTRfoottextfont
9879     \hsize\columnwidth \@parboxrestore
9880     \if@RTLcolumnfootnotes\beginL\fi
9881     \protected@edef\@currentlabel{%
9882       \csname p@mpfootnote\endcsname\@thefnmark}%
9883     \color@begingroup
9884       \@sixcolLTRfootfmt{#1}%
9885     \color@endgroup}%
9886     \m@mmf@prepare}
9887 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
9888   \global\setbox\@mpfootinsv@r\vbox{%

```



```

9889 \unvbox\@mpfootinsv@r
9890 \def\baselinestretch{\m@m@footnote@spacing}%
9891 \reset@font\RTLfoottextfont
9892 \hsize\columnwidth \@parboxrestore
9893 \protected@edef\@currentlabel{%
9894 \csname p@mpfootnote\endcsname\@thefnmark}%
9895 \color@begingroup
9896 \@sixcolRTLfootfmt{#1}%
9897 \color@endgroup}%
9898 \m@mmf@prepare}
9899 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9900 \@namedef{\@sixcol@footgroup#1}{%
9901 \def\baselinestretch{\m@m@footnote@spacing}%
9902 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9903 \m@mrigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
9904 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9905 \@namedef{\@mpsixcol@footgroup#1}{%
9906 \def\baselinestretch{\m@m@footnote@spacing}%
9907 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9908 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{6}{\splittopskip}}}%
9909 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9910 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9911 \@bidi@before@Hy@hyperfootnotes
9912 \let\@footnotetext\@sevendcolfootnotetext
9913 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9914 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9915 \dimen\footinsv@r=7\footinsdim
9916 \count\footinsv@r=142\relax
9917 \m@make@sevendcol@footgroup{v@r}%
9918 \let\@footgroupv@r\@sevendcol@footgroupv@r
9919 \let\@mpfootnotetext\@mpsevendcolfootnotetext
9920 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9921 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9922 \@bidi@after@Hy@hyperfootnotes
9923 \m@make@mpsevendcol@footgroup{v@r}%
9924 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
9925 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9926 }
9927 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9928 \def\baselinestretch{\m@m@footnote@spacing}%
9929 \reset@font\foottextfont
9930 \preamfntext
9931 \protected@edef\@currentlabel{%
9932 \csname p@footnote\endcsname\@thefnmark}%
9933 \color@begingroup
9934 \@sevendcolfootfmt{#1}%
9935 \color@endgroup}%
9936 \m@mmf@prepare}
9937 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9938 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9939 \reset@font\LTRfoottextfont
9940 \@preamfntext
9941 \protected@edef\@currentlabel{%
9942   \csname p@footnote\endcsname\@thefnmark}%
9943 \color@begingroup
9944   \@sevenscolLTRfootfmt{#1}%
9945 \color@endgroup}%
9946 \m@mmf@prepare}
9947 \bidi@ensure@newcommand{\@sevenscolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9948   \def\baselinestretch{\m@m@footnote@spacing}%
9949   \reset@font\RTLfoottextfont
9950   \@preamfntext
9951   \protected@edef\@currentlabel{%
9952     \csname p@footnote\endcsname\@thefnmark}%
9953   \color@begingroup
9954     \@sevenscolRTLfootfmt{#1}%
9955   \color@endgroup}%
9956   \m@mmf@prepare}
9957 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9958   \hsize .142\hsize
9959   \parindent=\z@
9960   \tolerance=5000\relax
9961   \leavevmode}
9962 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
9963   \@preamsevenfmt
9964   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9965 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
9966   \@preamsevenfmt
9967   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9968 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
9969   \@preamsevenfmt
9970   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9971 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9972   \global\setbox\@mpfootinsv@r\vbox{%
9973     \unvbox\@mpfootinsv@r
9974     \def\baselinestretch{\m@m@footnote@spacing}%
9975     \reset@font\foottextfont
9976     \hsize\columnwidth \@parboxrestore
9977     \protected@edef\@currentlabel{%
9978       \csname p@mpfootnote\endcsname\@thefnmark}%
9979     \color@begingroup
9980       \@sevenscolfootfmt{#1}%
9981     \color@endgroup}%
9982     \m@mmf@prepare}
9983 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
9984   \global\setbox\@mpfootinsv@r\vbox{%
9985     \unvbox\@mpfootinsv@r
9986     \def\baselinestretch{\m@m@footnote@spacing}%
9987     \reset@font\LTRfoottextfont
9988     \hsize\columnwidth \@parboxrestore

```



```

9989 \if@RTLcolumnfootnotes\beginL\fi
9990 \protected@edef\@currentlabel{%
9991 \csname p@mpfootnote\endcsname\@thefnmark}%
9992 \color@begingroup
9993 \@sevendcolLTRfootfmt{#1}%
9994 \color@endgroup}%
9995 \m@mmf@prepare}
9996 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{\@RTLtrue%
9997 \global\setbox\@mpfootinsv@r\vbox{%
9998 \unvbox\@mpfootinsv@r
9999 \def\baselinestretch{\m@m@footnote@spacing}%
10000 \reset@font\RTLfoottextfont
10001 \hsize\columnwidth \@parboxrestore
10002 \protected@edef\@currentlabel{%
10003 \csname p@mpfootnote\endcsname\@thefnmark}%
10004 \color@begingroup
10005 \@sevendcolRTLfootfmt{#1}%
10006 \color@endgroup}%
10007 \m@mmf@prepare}
10008 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
10009 \@namedef{\@sevendcol@footgroup#1}{%
10010 \def\baselinestretch{\m@m@footnote@spacing}%
10011 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10012 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
10013 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%
10014 \@namedef{\@mpsevendcol@footgroup#1}{%
10015 \def\baselinestretch{\m@m@footnote@spacing}%
10016 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10017 \m@mrigidbalance{\@nameuse{\@mpfootins#1}}{7}{\splittopskip}}}%
10018 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
10019 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10020 \@bidi@before@Hy@hyperfootnotes
10021 \let\@footnotetext\@eightcolfootnotetext
10022 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
10023 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
10024 \dimen\footinsv@r=8\footinsdim
10025 \count\footinsv@r=125\relax
10026 \m@make@eightcol@footgroup{v@r}%
10027 \let\@footgroupv@r\@eightcol@footgroupv@r
10028 \let\@mpfootnotetext\@mpeightcolfootnotetext
10029 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
10030 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
10031 \@bidi@after@Hy@hyperfootnotes
10032 \m@make@mpeightcol@footgroup{v@r}%
10033 \let\@mp@footgroupv@r\@mpeightcol@footgroupv@r
10034 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10035 }
10036 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10037 \def\baselinestretch{\m@m@footnote@spacing}%
10038 \reset@font\foottextfont

```





```

10039 \@preamfntext
10040 \protected@edef\@currentlabel{%
10041   \csname p@footnote\endcsname\@thefnmark}%
10042 \color@begingroup
10043   \@eightcolfootfmt{#1}%
10044 \color@endgroup}%
10045 \m@mmf@prepare}
10046 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv{\ifRTLcolumnfootnote
10047   \def\baselinestretch{\m@m@footnote@spacing}%
10048   \reset@font\LTRfoottextfont
10049   \@preamfntext
10050   \protected@edef\@currentlabel{%
10051     \csname p@footnote\endcsname\@thefnmark}%
10052   \color@begingroup
10053     \@eightcolLTRfootfmt{#1}%
10054   \color@endgroup}%
10055   \m@mmf@prepare}
10056 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv{\@RTLtrue%
10057   \def\baselinestretch{\m@m@footnote@spacing}%
10058   \reset@font\RTLfoottextfont
10059   \@preamfntext
10060   \protected@edef\@currentlabel{%
10061     \csname p@footnote\endcsname\@thefnmark}%
10062   \color@begingroup
10063     \@eightcolRTLfootfmt{#1}%
10064   \color@endgroup}%
10065   \m@mmf@prepare}
10066 \bidi@ensure@newcommand{\@preameightfmt}{%
10067   \hsize .125\hsize
10068   \parindent=\z@
10069   \tolerance=5000\relax
10070   \leavevmode}
10071 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
10072   \@preameightfmt
10073   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10074 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
10075   \@preameightfmt
10076   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10077 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
10078   \@preameightfmt
10079   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10080 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
10081   \global\setbox\@mpfootinsv\@vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10082     \unvbox\@mpfootinsv}
10083   \def\baselinestretch{\m@m@footnote@spacing}%
10084   \reset@font\foottextfont
10085   \hsize\columnwidth \@parboxrestore
10086   \protected@edef\@currentlabel{%
10087     \csname p@mpfootnote\endcsname\@thefnmark}%
10088   \color@begingroup

```



```

10089 \eightcolfootfmt{#1}%
10090 \color@endgroup}%
10091 \m@mmf@prepare}
10092 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
10093 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10094 \unvbox\@mpfootinsv@r
10095 \def\baselinestretch{\m@m@footnote@spacing}%
10096 \reset@font\LTRfoottextfont
10097 \hsize\columnwidth \@parboxrestore
10098 \ifRTLcolumnfootnotes\beginL\fi
10099 \protected@edef\@currentlabel{%
10100 \csname p@mpfootnote\endcsname\@thefnmark}%
10101 \color@begingroup
10102 \eightcolLTRfootfmt{#1}%
10103 \color@endgroup}%
10104 \m@mmf@prepare}
10105 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
10106 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10107 \unvbox\@mpfootinsv@r
10108 \def\baselinestretch{\m@m@footnote@spacing}%
10109 \reset@font\RTLfoottextfont
10110 \hsize\columnwidth \@parboxrestore
10111 \protected@edef\@currentlabel{%
10112 \csname p@mpfootnote\endcsname\@thefnmark}%
10113 \color@begingroup
10114 \eightcolRTLfootfmt{#1}%
10115 \color@endgroup}%
10116 \m@mmf@prepare}
10117 \bidi@ensure@newcommand{\@make@eightcol@footgroup}[1]{%
10118 \@namedef{@eightcol@footgroup#1}{%
10119 \def\baselinestretch{\m@m@footnote@spacing}%
10120 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10121 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
10122 \bidi@ensure@newcommand{\@make@mpeightcol@footgroup}[1]{%
10123 \@namedef{@mpeightcol@footgroup#1}{%
10124 \def\baselinestretch{\m@m@footnote@spacing}%
10125 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10126 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}%
10127 \bidi@ensure@newcommand{\@ninecolumnfootnotes}{%
10128 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10129 \@bidi@before@Hy@hyperfootnotes
10130 \let\@footnotetext\@ninecolfootnotetext
10131 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
10132 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
10133 \dimen\footinsv@r=9\footinsdim
10134 \count\footinsv@r=111\relax
10135 \m@make@ninecol@footgroup{v@r}%
10136 \let\@footgroupv@r\@ninecol@footgroupv@r
10137 \let\@mpfootnotetext\@mpninecolfootnotetext
10138 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext

```



```

10139 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
10140 \@bidi@after@Hy@hyperfootnotes
10141 \m@make@mpninecol@footgroup{v@r}%
10142 \let\mp@footgroupv@r\@mpninecol@footgroupv@r
10143 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10144 }
10145 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10146 \def\baselinestretch{\m@m@footnote@spacing}%
10147 \reset@font\foottextfont
10148 \@preamfntext
10149 \protected@edef\@currentlabel{%
10150 \csname p@footnote\endcsname\@thefnmark}%
10151 \color@begingroup
10152 \@ninecolfootfmt{#1}%
10153 \color@endgroup}%
10154 \m@mmf@prepare}
10155 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
10156 \def\baselinestretch{\m@m@footnote@spacing}%
10157 \reset@font\LTRfoottextfont
10158 \@preamfntext
10159 \protected@edef\@currentlabel{%
10160 \csname p@footnote\endcsname\@thefnmark}%
10161 \color@begingroup
10162 \@ninecolLTRfootfmt{#1}%
10163 \color@endgroup}%
10164 \m@mmf@prepare}
10165 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10166 \def\baselinestretch{\m@m@footnote@spacing}%
10167 \reset@font\RTLfoottextfont
10168 \@preamfntext
10169 \protected@edef\@currentlabel{%
10170 \csname p@footnote\endcsname\@thefnmark}%
10171 \color@begingroup
10172 \@ninecolRTLfootfmt{#1}%
10173 \color@endgroup}%
10174 \m@mmf@prepare}
10175 \bidi@ensure@newcommand{\@preamninefmt}{%
10176 \hspace{.1\hspace}
10177 \parindent=\z@
10178 \tolerance=5000\relax
10179 \leavevmode}
10180 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
10181 \@preamninefmt
10182 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10183 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
10184 \@preamninefmt
10185 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10186 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
10187 \@preamninefmt
10188 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}

```



```

10189 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
10190   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10191     \unvbox\@mpfootinsv@r
10192     \def\baselinestretch{\m@m@footnote@spacing}%
10193     \reset@font\foottextfont
10194     \hsize\columnwidth \@parboxrestore
10195     \protected@edef\@currentlabel{%
10196       \csname p@mpfootnote\endcsname\@thefnmark}%
10197   \color@begingroup
10198     \@ninecolfootfmt{#1}%
10199   \color@endgroup}%
10200   \m@m@mmf@prepare}
10201 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
10202   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10203     \unvbox\@mpfootinsv@r
10204     \def\baselinestretch{\m@m@footnote@spacing}%
10205     \reset@font\LTRfoottextfont
10206     \hsize\columnwidth \@parboxrestore
10207     \if@RTLcolumnfootnotes\beginL\fi
10208     \protected@edef\@currentlabel{%
10209       \csname p@mpfootnote\endcsname\@thefnmark}%
10210   \color@begingroup
10211     \@ninecolLTRfootfmt{#1}%
10212   \color@endgroup}%
10213   \m@m@mmf@prepare}
10214 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
10215   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10216     \unvbox\@mpfootinsv@r
10217     \def\baselinestretch{\m@m@footnote@spacing}%
10218     \reset@font\RTLfoottextfont
10219     \hsize\columnwidth \@parboxrestore
10220     \protected@edef\@currentlabel{%
10221       \csname p@mpfootnote\endcsname\@thefnmark}%
10222   \color@begingroup
10223     \@ninecolRTLfootfmt{#1}%
10224   \color@endgroup}%
10225   \m@m@mmf@prepare}
10226 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
10227   \@namedef{@ninecol@footgroup#1}{%
10228     \def\baselinestretch{\m@m@footnote@spacing}%
10229     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10230     \m@m@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
10231 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
10232   \@namedef{@mpninecol@footgroup#1}{%
10233     \def\baselinestretch{\m@m@footnote@spacing}%
10234     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10235     \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}%
10236 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
10237   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10238   \@bidi@before@Hy@hyperfootnotes

```



```

10239 \let\@footnotetext\@tencolfootnotetext
10240 \let\@LTRfootnotetext\@tencolLTRfootnotetext
10241 \let\@RTLfootnotetext\@tencolRTLfootnotetext
10242 \dimen\footinsv@r=10\footinsdim
10243 \count\footinsv@r=100\relax
10244 \m@make@tencol@footgroup{v@r}%
10245 \let\@footgroupv@r\@tencol@footgroupv@r
10246 \let\@mpfootnotetext\@mptencolfootnotetext
10247 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
10248 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
10249 \@bidi@after@Hy@hyperfootnotes
10250 \m@make@mptencol@footgroup{v@r}%
10251 \let\mp@footgroupv@r\@mptencol@footgroupv@r
10252 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10253 }
10254 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10255 \def\baselinestretch{\m@m@footnote@spacing}%
10256 \reset@font\foottextfont
10257 \@preamfntext
10258 \protected@edef\@currentlabel{%
10259 \csname p@footnote\endcsname\@thefnmark}%
10260 \color@begingroup
10261 \@tencolfootfmt{#1}%
10262 \color@endgroup}%
10263 \m@m@mmf@prepare}
10264 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
10265 \def\baselinestretch{\m@m@footnote@spacing}%
10266 \reset@font\LTRfoottextfont
10267 \@preamfntext
10268 \protected@edef\@currentlabel{%
10269 \csname p@footnote\endcsname\@thefnmark}%
10270 \color@begingroup
10271 \@tencolLTRfootfmt{#1}%
10272 \color@endgroup}%
10273 \m@m@mmf@prepare}
10274 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10275 \def\baselinestretch{\m@m@footnote@spacing}%
10276 \reset@font\RTLfoottextfont
10277 \@preamfntext
10278 \protected@edef\@currentlabel{%
10279 \csname p@footnote\endcsname\@thefnmark}%
10280 \color@begingroup
10281 \@tencolRTLfootfmt{#1}%
10282 \color@endgroup}%
10283 \m@m@mmf@prepare}
10284 \bidi@ensure@newcommand{\@preamtenfmt}{%
10285 \hspace .1\hspace
10286 \parindent=\z@
10287 \tolerance=5000\relax
10288 \leavevmode}

```



```

10289 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10290   \@preamtenfmt
10291   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10292 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10293   \@preamtenfmt
10294   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10295 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10296   \@preamtenfmt
10297   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10298 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10299   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10300     \unvbox\@mpfootinsv@r
10301     \def\baselinestretch{\m@m@footnote@spacing}%
10302     \reset@font\foottextfont
10303     \hsize\columnwidth \@parboxrestore
10304     \protected@edef\@currentlabel{%
10305       \csname p@mpfootnote\endcsname\@thefnmark}%
10306     \color@begingroup
10307       \@tencolfootfmt{#1}%
10308     \color@endgroup}%
10309   \m@m@mmf@prepare}
10310 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10311   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10312     \unvbox\@mpfootinsv@r
10313     \def\baselinestretch{\m@m@footnote@spacing}%
10314     \reset@font\LTRfoottextfont
10315     \hsize\columnwidth \@parboxrestore
10316     \if@RTLcolumnfootnotes\beginL\fi
10317     \protected@edef\@currentlabel{%
10318       \csname p@mpfootnote\endcsname\@thefnmark}%
10319     \color@begingroup
10320       \@tencolLTRfootfmt{#1}%
10321     \color@endgroup}%
10322   \m@m@mmf@prepare}
10323 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10324   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10325     \unvbox\@mpfootinsv@r
10326     \def\baselinestretch{\m@m@footnote@spacing}%
10327     \reset@font\RTLfoottextfont
10328     \hsize\columnwidth \@parboxrestore
10329     \protected@edef\@currentlabel{%
10330       \csname p@mpfootnote\endcsname\@thefnmark}%
10331     \color@begingroup
10332       \@tencolRTLfootfmt{#1}%
10333     \color@endgroup}%
10334   \m@m@mmf@prepare}
10335 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10336   \@namedef{@tencol@footgroup#1}{%
10337     \def\baselinestretch{\m@m@footnote@spacing}%
10338     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

10339 \m@mrigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}}
10340 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10341 \@namedef{@mptencol@footgroup#1}{%
10342 \def\baselinestretch{\m@m@footnote@spacing}%
10343 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10344 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
10345 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10346 \setbox0=\vbox{\unvbox#1%
10347 \global\setbox1=\lastbox}%
10348 \unhbox1
10349 \unskip
10350 \unskip
10351 \unpenalty
10352 \hskip\m@mipn@skip}
10353 \bidi@ensure@newcommand{\m@mungebox}{%
10354 \setbox0=\hbox{\m@munvxh0}%
10355 \dp0=\z@
10356 \ht0=\footfudgefactor\wd0
10357 \box0
10358 \penalty0}
10359 \newskip\m@mipn@skip
10360 \bidi@ensure@newcommand*{\m@minterparanoteglu}[1]{%
10361 {\foottextfont\global\m@mipn@skip=#1\relax}}
10362 \m@minterparanoteglu{1em plus.4em minus.4em}
10363 \ifpackageloaded{multicol}{%
10364 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10365 \hsize\textwidth%
10366 \setbox0=\hbox{}%
10367 \loop
10368 \unpenalty
10369 \setbox2=\lastbox
10370 \ifhbox2
10371 \setbox0=\hbox{\box2\unhbox0}
10372 \repeat}
10373 }{%
10374 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10375 \setbox0=\hbox{}%
10376 \loop
10377 \unpenalty
10378 \setbox2=\lastbox
10379 \ifhbox2
10380 \setbox0=\hbox{\box2\unhbox0}
10381 \repeat}}
10382 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10383 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10384 \newcommand*{AddExtraParaSkip}[1]{%
10385 \if@bidi@csdef{footfudgefactor}{%
10386 \PackageError{bidi}{%
10387 The control sequence `string\AddExtraParaSkip`
10388 must be used before the control sequence

```



```

10389     '\string\paragraphfootnotes' in the preamble%
10390   }\@ehc
10391 }{%
10392   \def\@bidi@xparaskip{\advance\@tempdima#1\relax}%
10393 }%
10394 }
10395 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10396   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10397   \@bidi@before@Hy@hyperfootnotes
10398   \let\@footnotetext\@parafootnotetext
10399   \let\@LTRfootnotetext\@paraLTRfootnotetext
10400   \let\@RTLfootnotetext\@paraRTLfootnotetext
10401   \dimen\footinsv@r=\footinsdim
10402   \count\footinsv@r=1000\relax
10403   \m@make@para@footgroup{v@r}%
10404   \m@make@para@footstart{v@r}%
10405   \let\@footgroupv@r\@para@footgroupv@r
10406   \let\@footstartv@r\@para@footstartv@r
10407   \dimen\footinsv@l=\footinsdim
10408   \count\footinsv@l=1000\relax
10409   \bidi@make@para@LTRfootgroup{v@l}%
10410   \m@make@para@footstart{v@l}%
10411   \bidi@make@para@footstart@@{v@l}%
10412   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10413   \let\@footstartv@l\@para@footstartv@l
10414   \let\@@footstart@@v@l\@para@footstart@@v@l
10415   \let\@mpfootnotetext\@mpparafootnotetext
10416   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10417   \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10418   \@bidi@after@Hy@hyperfootnotes
10419   \m@make@mppara@footgroup{v@r}%
10420   \bidi@make@mppara@LTRfootgroup{v@l}%
10421   \let\mp@footgroupv@r\@mppara@footgroupv@r
10422   \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10423   \begingroup
10424   \def\baselinestretch{\m@footnote@spacing}%
10425   \foottextfont
10426   \@tempdima\footnotesep
10427   \advance\@tempdima -\ht\strutbox
10428   \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
10429   \advance\@tempdima.5\normalbaselineskip
10430   \bidi@xparaskip
10431   \xdef\bidi@paraskip{\the\@tempdima\relax}%
10432   \ifdim\skip\footinsv@r>\bigskipamount
10433   \else
10434     \global\advance\skip\footinsv@r\bidi@paraskip
10435   \fi
10436   \ifdim\skip\footinsv@l>\bigskipamount
10437   \else
10438     \global\advance\skip\footinsv@l\bidi@paraskip

```





```

10439 \fi
10440 \@tempdima\normalbaselineskip
10441 \multiply \@tempdima \@cclvi
10442 \@tempdimb \columnwidth
10443 \divide \@tempdimb \@cclvi
10444 \divide \@tempdima \@tempdimb
10445 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10446 \endgroup
10447 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10448 }
10449 \newcommand{\normalRTLparaLTRfootnotes}{%
10450 \@namedef{foottextfontv@r}{\foottextfont}%
10451 \@bidi@before@Hy@hyperfootnotes
10452 \if@RTL@footnote
10453 \let\@footnotetext\m@mold@footnotetext
10454 \else
10455 \let\@footnotetext\@parafootnotetext
10456 \fi
10457 \let\@LTRfootnotetext\@paraLTRfootnotetext
10458 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
10459 \dimen\footinsv@r=\footinsdim
10460 \count\footinsv@r=1000\relax
10461 \m@make@para@footgroup{v@r}%
10462 \m@make@para@footstart{v@r}%
10463 \let\@footgroupv@r\@para@footgroupv@r
10464 \let\@footstartv@r\@para@footstartv@r
10465 \dimen\footinsv@l=\footinsdim
10466 \count\footinsv@l=1000\relax
10467 \bidi@make@para@LTRfootgroup{v@l}%
10468 \m@make@para@footstart{v@l}%
10469 \bidi@make@para@footstart@@{v@l}%
10470 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10471 \let\@footstartv@l\@para@footstartv@l
10472 \let\@@footstart@@v@l\@para@footstart@@v@l
10473 \if@RTL@footnote
10474 \let\@mpfootnotetext\m@mold@mpfootnotetext
10475 \else
10476 \let\@mpfootnotetext\@mpparafootnotetext
10477 \fi
10478 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10479 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
10480 \@bidi@after@Hy@hyperfootnotes
10481 \m@make@mppara@footgroup{v@r}%
10482 \bidi@make@mppara@LTRfootgroup{v@l}%
10483 \let\mp@footgroupv@r\@mppara@footgroupv@r
10484 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10485 \begingroup
10486 \def\baselinestretch{\m@m@footnote@spacing}%
10487 \foottextfont
10488 \@tempdima\footnotesep

```



```

10489 \advance\@tempdima -\ht\strutbox
10490 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
10491 \advance\@tempdima.5\normalbaselineskip
10492 \bidi@xparaskip
10493 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10494 \ifdim\skip\footinsv@r>\bigskipamount
10495 \else
10496 \global\advance\skip\footinsv@r\bidi@paraskip
10497 \fi
10498 \ifdim\skip\footinsv@l>\bigskipamount
10499 \else
10500 \global\advance\skip\footinsv@l\bidi@paraskip
10501 \fi
10502 \@tempdima\normalbaselineskip
10503 \multiply \@tempdima \cclvi
10504 \@tempdimb \columnwidth
10505 \divide \@tempdimb \@cclvi
10506 \divide \@tempdima \@tempdimb
10507 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10508 \endgroup
10509 \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10510 }
10511 \let\bidi@xparaskip\relax
10512 \@onlypreamble\AddExtraParaSkip
10513 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
10514 \if@RTL@footnote
10515 \footinsv@r
10516 \else
10517 \footinsv@l
10518 \fi
10519 {%
10520 \let\bidi@RTL@everypar\@empty%
10521 \def\baselinestretch{\m@mm@footnote@spacing}%
10522 \reset@font\foottextfont
10523 \@preamfntext
10524 \protected@edef\@currentlabel{%
10525 \csname p@footnote\endcsname\@thefnmark}%
10526 \setbox0=\vbox{\hsize=\maxdimen
10527 \color@begingroup
10528 \noindent \@parafootfmt{#1}%
10529 \color@endgroup}%
10530 \m@mmungebox}\m@mmf@prepare}
10531 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
10532 \let\bidi@RTL@everypar\@empty%
10533 \def\baselinestretch{\m@mm@footnote@spacing}%
10534 \reset@font\LTRfoottextfont
10535 \@preamfntext
10536 \protected@edef\@currentlabel{%
10537 \csname p@footnote\endcsname\@thefnmark}%
10538 \setbox0=\vbox{\hsize=\maxdimen

```



```

10539 \color@begingroup
10540 \noindent \@paraLTRfootfmt{#1}%
10541 \color@endgroup}%
10542 \m@mungebox}\m@mmf@prepare}
10543 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10544 \let\bidi@RTL@everypar\@empty%
10545 \def\baselinestretch{\m@m@footnote@spacing}%
10546 \reset@font\RTLfoottextfont
10547 \@preamfntext
10548 \protected@edef\@currentlabel{%
10549 \csname p@footnote\endcsname\@thefnmark}%
10550 \setbox0=\vbox{\hsize=\maxdimen
10551 \color@begingroup
10552 \noindent \@paraRTLfootfmt{#1}%
10553 \color@endgroup}%
10554 \m@mungebox}\m@mmf@prepare}
10555 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10556 \parindent=\z@
10557 \parfillskip=0pt \@plus 1fil
10558 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10559 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10560 \parindent=\z@
10561 \parfillskip=0pt \@plus 1fil
10562 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10563 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10564 \parindent=\z@
10565 \parfillskip=0pt \@plus 1fil
10566 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10567 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10568 \global\setbox
10569 \if@RTL@footnote
10570 \@mpfootinsv@r
10571 \else
10572 \@mpfootinsv@l
10573 \fi
10574 \vbox{%
10575 \let\bidi@RTL@everypar\@empty%
10576 \def\baselinestretch{\m@m@footnote@spacing}%
10577 \unvbox
10578 \if@RTL@footnote
10579 \@mpfootinsv@r
10580 \else
10581 \@mpfootinsv@l
10582 \fi
10583 \reset@font\foottextfont
10584 \hsize\columnwidth \@parboxrestore
10585 \protected@edef\@currentlabel{%
10586 \csname p@mpfootnote\endcsname\@thefnmark}%
10587 \setbox0=\vbox{\hsize=\maxdimen
10588 \color@begingroup

```



```

10589      \noindent \@parafootfmt{#1}%
10590      \color@endgroup}%
10591      \m@mungebox}\m@mmf@prepare}
10592 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10593   \global\setbox\@mpfootinsv@l\vbox{%
10594     \let\bidi@RTL@everypar\@empty%
10595     \def\baselinestretch{\m@m@footnote@spacing}%
10596     \unvbox\@mpfootinsv@l
10597     \reset@font\LTRfoottextfont
10598     \hsize\columnwidth \@parboxrestore
10599     \protected@edef\@currentlabel{%
10600       \csname p@mpfootnote\endcsname\@thefnmark}%
10601     \setbox0=\vbox{\hsize=\maxdimen
10602       \color@begingroup
10603         \noindent \@paraLTRfootfmt{#1}%
10604         \color@endgroup}%
10605     \m@mungebox}\m@mmf@prepare}
10606 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10607   \global\setbox\@mpfootinsv@r\vbox{%
10608     \let\bidi@RTL@everypar\@empty%
10609     \def\baselinestretch{\m@m@footnote@spacing}%
10610     \unvbox\@mpfootinsv@r
10611     \reset@font\RTLfoottextfont
10612     \hsize\columnwidth \@parboxrestore
10613     \protected@edef\@currentlabel{%
10614       \csname p@mpfootnote\endcsname\@thefnmark}%
10615     \setbox0=\vbox{\hsize=\maxdimen
10616       \color@begingroup
10617         \noindent \@paraRTLfootfmt{#1}%
10618         \color@endgroup}%
10619     \m@mungebox}\m@mmf@prepare}
10620 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10621   \@namedef{@para@footgroup#1}{%
10622     \unvbox\@nameuse{footins#1}
10623     \@RTLtrue
10624     \m@mmakehboxofhboxes
10625     \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10626     \@parboxrestore%
10627     \def\baselinestretch{\m@m@footnote@spacing}%
10628     \@nameuse{foottextfont#1}%
10629     \noindent\unhbox0\par}}
10630 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
10631   \@namedef{@para@LTRfootgroup#1}{%
10632     \unvbox\@nameuse{footins#1}
10633     \@RTLfalse
10634     \m@mmakehboxofhboxes
10635     \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10636     \@parboxrestore%
10637     \def\baselinestretch{\m@m@footnote@spacing}%
10638     \@nameuse{foottextfont#1}%

```



```

10639 \noindent\unhbox0\par}}
10640 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10641 \@namedef{@mppara@footgroup#1}{%
10642 \unvbox\@nameuse{@mpfootins#1}
10643 \@RTLtrue
10644 \m@mmakehboxofhboxes
10645 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10646 \def\baselinestretch{\m@m@footnote@spacing}%
10647 \@nameuse{foottextfont#1}%
10648 \noindent\unhbox0\par}}
10649 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
10650 \@namedef{@mppara@LTRfootgroup#1}{%
10651 \unvbox\@nameuse{@mpfootins#1}
10652 \@RTLfalse
10653 \m@mmakehboxofhboxes
10654 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10655 \def\baselinestretch{\m@m@footnote@spacing}%
10656 \@nameuse{foottextfont#1}%
10657 \noindent\unhbox0\par}}
10658 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
10659 \@namedef{@para@footstart#1}{%
10660 \if@bidi@void@footins
10661 \bidi@mopfn@bottom
10662 \fi
10663 \leftskip=\z@
10664 \rightskip=\z@
10665 \parindent=\z@
10666 \vskip\skip\footins
10667 \if@bidi@void@footins
10668 \footnoterule
10669 \fi}}
10670 \bidi@ensure@newcommand{\bidi@make@para@footstart@@}[1]{%
10671 \@namedef{@@para@footstart@@#1}{%
10672 \leftskip=\z@
10673 \rightskip=\z@
10674 \parindent=\z@
10675 \vskip\skip\footins}}
10676 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10677 \xdef\@freelist{\@freelist\@midlist}%
10678 \global\let\@midlist\@empty
10679 \@combinefloats}
10680 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10681 \ifvbox\@kludgeins
10682 \@makespecialcolbox
10683 \else
10684 \setbox\@outputbox \vbox to\@colht{%
10685 \texttop
10686 \dimen@ \dp\@outputbox
10687 \unvbox \@outputbox
10688 \vskip -\dimen@

```



```

10689      \@textbottom}%
10690    \fi}
10691 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
10692 \bidi@ensure@newcommand*{\m@m@mopfootnote}{\setbox\@outputbox \vbox{%
10693   \boxmaxdepth\@maxdepth
10694   \@tempdima\dp\@cclv
10695   \unvbox\@cclv
10696   \vskip-\@tempdima
10697   \bidi@mopfn@bottom
10698   \vskip \skip\footins
10699   \color@begingroup
10700     \normalcolor
10701     \footnoterule
10702     \unvbox \footins
10703   \color@endgroup
10704   }%
10705 }
10706 \newcommand*{\bidi@mopfootnotebf}{%
10707   \setbox\@outputbox \vbox{%
10708     \boxmaxdepth\@maxdepth
10709     \unvbox\@outputbox
10710     \bidi@mopfn@bottom
10711     \vskip\skip\footins
10712     \color@begingroup
10713       \normalcolor
10714       \footnoterule
10715       \unvbox \footins
10716     \color@endgroup
10717   }%
10718 }
10719 \gdef\mem@makecol{%
10720   \m@m@makecolintro
10721   \ifvoid\footins
10722     \global\@bidi@void@footinstrue
10723     \setbox\@outputbox \box\@cclv
10724   \else
10725     \global\@bidi@void@footinsfalse
10726     \m@m@mopfootnote
10727   \fi
10728   \m@m@doextrafeet
10729   \m@m@makecolfloats
10730   \m@m@makecoltext
10731   \global \maxdepth \@maxdepth}
10732 \gdef\bidi@makecolbf{%
10733   \m@m@makecolintro
10734   \setbox\@outputbox \box\@cclv
10735   \m@m@makecolfloats
10736   \ifvoid\footins
10737     \global\@bidi@void@footinstrue
10738   \else

```



```

10739 \global\@bidi@void@footinsfalse
10740 \bidi@mopfootnotebf
10741 \fi
10742 \m@mdoextrafeet
10743 \m@m@makecoltext
10744 \global \maxdepth \@maxdepth}
10745 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10746 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10747 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10748 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10749 \FeetAboveFloat
10750 \FeetBelowRagged

```

## 56 File extreport-xetex-bidi.def

```

10751 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10752 \renewcommand* \l@part [2]{%
10753 \ifnum \c@tocdepth >-2\relax
10754 \addpenalty{-\@highpenalty}%
10755 \addvspace{2.25em \@plus\p@}%
10756 \begingroup
10757 \setlength\@tempdima{3em}%
10758 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10759 \parfillskip -\@pnumwidth
10760 {\leavevmode
10761 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10762 \nobreak
10763 \global\@nobreaktrue
10764 \everypar{\global\@nobreakfalse\everypar{}}%
10765 \endgroup
10766 \fi}
10767 \renewcommand* \l@chapter [2]{%
10768 \ifnum \c@tocdepth >\m@ne
10769 \addpenalty{-\@highpenalty}%
10770 \vskip 1.0em \@plus\p@
10771 \setlength\@tempdima{1.5em}%
10772 \begingroup
10773 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
10774 \parfillskip -\@pnumwidth
10775 \leavevmode \bfseries
10776 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
10777 \hskip -\if@RTL\rightskip\else\leftskip\fi
10778 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10779 \penalty\@highpenalty
10780 \endgroup
10781 \fi}
10782 \def\@makechapterhead#1{%
10783 \vspace*{50\p@}%
10784 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10785 \ifnum \c@secnumdepth >\m@ne

```



```

10786      \huge\bfseries \@chapapp\space \thechapter
10787      \par\nobreak
10788      \vskip 20\p@
10789      \fi
10790      \interlinepenalty\@M
10791      \Huge \bfseries #1\par\nobreak
10792      \vskip 40\p@
10793    }}
10794 \def\@makeschapterhead#1{%
10795   \vspace*{50\p@}%
10796   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10797    \normalfont
10798    \interlinepenalty\@M
10799    \Huge \bfseries #1\par\nobreak
10800    \vskip 40\p@
10801   }}
10802 \renewcommand\left@footnoterule{%
10803   \kern-3\p@
10804   \hrule\@width.4\columnwidth
10805   \kern2.6\p@}
10806 \renewcommand\right@footnoterule{%
10807   \kern-3\p@
10808   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10809   \kern2.6\p@}
10810 \renewenvironment{thebibliography}[1]
10811   {\chapter*{\bibname
10812     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10813     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10814     \bidi@thebibliography@font@hook%
10815     \list{\@biblabel{\@arabic\c@enumiv}}%
10816       {\settowidth\labelwidth{\@biblabel{#1}}%
10817        \leftmargin\labelwidth
10818        \advance\leftmargin\labelsep
10819        \@openbib@code
10820        \usecounter{enumiv}%
10821        \let\p@enumiv\@empty
10822        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10823     \sloppy\clubpenalty4000\widowpenalty4000%
10824     \sfcode`.\@m}
10825   {\def\@noitemerr
10826     {\@latex@warning{Empty `thebibliography' environment}}%
10827     \endlist}
10828 \if@titlepage
10829 \renewcommand\maketitle{\begin{titlepage}%
10830 \let\footnotesize\small
10831 \let\right@footnoterule\relax
10832 \let\left@footnoterule\relax
10833 \let\textwidth\footnoterule\relax
10834 \let \footnote \thanks
10835 \null\vfil

```





```

10836 \vskip 60\p@
10837 \begin{center}%
10838   {\LARGE \@title \par}%
10839   \vskip 3em%
10840   {\large
10841     \lineskip .75em%
10842     \begin{tabular}[t]{c}%
10843       \@author
10844     \end{tabular}\par}%
10845   \vskip 1.5em%
10846   {\large \@date \par}%           % Set date in \large size.
10847 \end{center}\par
10848 \@thanks
10849 \vfil\null
10850 \end{titlepage}%
10851 \setcounter{footnote}{0}%
10852 \global\let\thanks\relax
10853 \global\let\maketitle\relax
10854 \global\let\@thanks\@empty
10855 \global\let\@author\@empty
10856 \global\let\@date\@empty
10857 \global\let\@title\@empty
10858 \global\let\title\relax
10859 \global\let\author\relax
10860 \global\let\date\relax
10861 \global\let\and\relax
10862 }
10863 \else
10864 \renewcommand\maketitle{\par
10865   \begingroup
10866     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10867     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10868     \long\def\@makefntext##1{\parindent 1em\noindent
10869       \hbext@1.8em{%
10870         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10871     \if@twocolumn
10872       \ifnum \col@number=\@ne
10873         \@maketitle
10874       \else
10875         \twocolumn[\@maketitle]%
10876       \fi
10877     \else
10878       \newpage
10879       \global\@topnum\z@   % Prevents figures from going at top of page.
10880       \@maketitle
10881     \fi
10882     \thispagestyle{plain}\@thanks
10883   \endgroup
10884   \setcounter{footnote}{0}%
10885   \global\let\thanks\relax

```



```

10886 \global\let\maketitle\relax
10887 \global\let\@maketitle\relax
10888 \global\let\@thanks\@empty
10889 \global\let\@author\@empty
10890 \global\let\@date\@empty
10891 \global\let\@title\@empty
10892 \global\let\title\relax
10893 \global\let\author\relax
10894 \global\let\date\relax
10895 \global\let\and\relax
10896 }
10897 \def\@maketitle{%
10898   \newpage
10899   \null
10900   \vskip 2em%
10901   \begin{center}%
10902     \let \footnote \thanks
10903     {\LARGE \@title \par}%
10904     \vskip 1.5em%
10905     {\large
10906       \lineskip .5em%
10907       \begin{tabular}[t]{c}%
10908         \@author
10909         \end{tabular}\par}%
10910     \vskip 1em%
10911     {\large \@date}%
10912   \end{center}%
10913   \par
10914   \vskip 1.5em}
10915 \fi
10916 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
10917 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10918 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10919 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10920 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10921 \renewcommand\theequation{%
10922   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10923 \renewcommand\thefigure{%
10924   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10925 \renewcommand\thetable{%
10926   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}

```

## 57 File fancybox-xetex-bidi.def

```

10927 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10928 \def\fancy@oval#1#2#3{%
10929   \boxmaxdepth \maxdimen
10930   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10931   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10932   \@ovxx#1\relax

```



```

10933 \advance\@ovxx-\@wholewidth
10934 \@ovyy#2\relax
10935 \advance\@ovyy-\@wholewidth
10936 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
10937 \advance\@tempdimb-2\p@
10938 \ifdim\@tempdimb>\the@cornersize\relax
10939 \@tempdimb=\the@cornersize
10940 \fi
10941 \@getcirc\@tempdimb
10942 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10943 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10944 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10945 \@circlefnt
10946 \setbox\@tempboxa\hbox{\beginL%
10947 \if@ovr \@ovvert32\kern -\@tempdima \fi
10948 \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10949 \if@ovt \@ovhorz \kern -\@ovxx \fi
10950 \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10951 \advance\@ovdx\@ovro
10952 \advance\@ovdy\@ovro
10953 \advance\@ovxx\@wholewidth
10954 \wd\@tempboxa=\@ovxx
10955 \dp\@tempboxa=\z@}

```

## 58 File fancyhdr-xetex-bidi.def

```

10956 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
10957
10958 \let\f@nch@everypar\everypar
10959
10960 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10961 \f@nch@vbox\headheight{\hbox
10962 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10963 \parbox[b]{\headwidth}{\centering#3}\hfill
10964 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10965
10966 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10967 \f@nch@vbox\footskip{\footrule
10968 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10969 \parbox[t]{\headwidth}{\centering#3}\hfill
10970 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\footrule}}#5}
10971

```

## 59 File fix2col-xetex-bidi.def

```

10972 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
10973 \def\RTL@outputdblcol{%
10974 \if@firstcolumn
10975 \global\@firstcolumnfalse
10976 \global\setbox\@leftcolumn\copy\@outputbox

```



```

10977 \splitmaxdepth\maxdimen
10978 \vbadness\maxdimen
10979 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10980 \toks@\expandafter{\topmark}%
10981 \xdef\@firstcoltopmark{\the\toks@}%
10982 \toks@\expandafter{\splitfirstmark}%
10983 \xdef\@firstcolfirstmark{\the\toks@}%
10984 \ifx\@firstcolfirstmark\@empty
10985 \global\let\@setmarks\relax
10986 \else
10987 \gdef\@setmarks{%
10988 \let\firstmark\@firstcolfirstmark
10989 \let\topmark\@firstcoltopmark}%
10990 \fi
10991 \else \global\@firstcolumntrue
10992 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10993 \hskip \columnwidth
10994 \hfil \vrule width\columnseprule \hfil
10995 \hbox to\columnwidth {%
10996 \bidi@firstcolumn@status@write%
10997 \box\@leftcolumn \hss}%
10998 \hskip -\textwidth
10999 \hbox to\columnwidth{%
11000 \bidi@lastcolumn@status@write%
11001 \box\@outputbox \hss}%
11002 \hskip \columnsep
11003 \hskip \columnwidth }}%
11004 \@combinedblfloats \@setmarks \@outputpage
11005 \begingroup \@dblfloatplacement \@startdblcolumn
11006 \@whilesw\if@fcolmade \fi
11007 {\@outputpage \@startdblcolumn }\endgroup
11008 \fi}
11009 \def\LTR@outputdblcol{%
11010 \if@firstcolumn
11011 \global\@firstcolumnfalse
11012 \global\setbox\@leftcolumn\copy\@outputbox
11013 \splitmaxdepth\maxdimen
11014 \vbadness\maxdimen
11015 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11016 \toks@\expandafter{\topmark}%
11017 \xdef\@firstcoltopmark{\the\toks@}%
11018 \toks@\expandafter{\splitfirstmark}%
11019 \xdef\@firstcolfirstmark{\the\toks@}%
11020 \ifx\@firstcolfirstmark\@empty
11021 \global\let\@setmarks\relax
11022 \else
11023 \gdef\@setmarks{%
11024 \let\firstmark\@firstcolfirstmark
11025 \let\topmark\@firstcoltopmark}%
11026 \fi

```



```

11027 \else
11028 \global\@firstcolumntrue
11029 \setbox\@outputbox\vbox{%
11030 \hb@xt@\textwidth{%
11031 \hb@xt@\columnwidth{%
11032 \bidi@firstcolumn@status@write%
11033 \box\@leftcolumn \hss}%
11034 \hfil
11035 \vrule \@width\columnseprule
11036 \hfil
11037 \hb@xt@\columnwidth{%
11038 \bidi@lastcolumn@status@write%
11039 \box\@outputbox \hss}}}%
11040 \@combinedblfloats
11041 \@setmarks
11042 \@outputpage
11043 \beginngroup
11044 \@dblfloatplacement
11045 \@startdblcolumn
11046 \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
11047 \endgroup
11048 \fi}

```

## 60 File fleqn-xetex-bidi.def

```

11049 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
11050 \renewcommand\[{ \relax
11051 \ifmmode\@badmath
11052 \else
11053 \begin{trivlist}%
11054 \@beginparpenalty\predisplaypenalty
11055 \@endparpenalty\postdisplaypenalty
11056 \item[]\leavevmode
11057 \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
11058 \hskip\mathindent\bgroup
11059 \fi}
11060 \renewcommand\]{ \relax
11061 \ifmmode
11062 \egroup $\hfil% $
11063 \endL\egroup
11064 \end{trivlist}%
11065 \else \@badmath
11066 \fi}
11067 \renewenvironment{equation}%
11068 {\@beginparpenalty\predisplaypenalty
11069 \@endparpenalty\postdisplaypenalty
11070 \refstepcounter{equation}%
11071 \trivlist \item[]\leavevmode
11072 \hb@xt@\linewidth\bgroup\beginL $\m@th% $
11073 \displaystyle

```



```

11074         \hskip\mathindent}%
11075         {$\hfil % $
11076         \displaywidth\linewidth\hbox{\@eqnnum}%
11077         \endL\egroup
11078     \endtrivlist}

```

## 61 File float-xetex-bidi.def

```

11079 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
11080 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
11081 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
11082 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
11083 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%
11084 \expandafter\edef\csname the#1\endcsname{%
11085 \expandafter\noexpand\csname
11086 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
11087 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

## 62 File floatrow-xetex-bidi.def

```

11088 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
11089 \renewcommand\flnew@within[1]{\@addtoreset{FB@capttype}{#1}%
11090 \expandafter\edef\csname theFB@capttype\endcsname{%
11091 \expandafter\noexpand\csname
11092 the#1\endcsname\@SepMark\noexpand\arabic{FB@capttype}}}

```

## 63 File flowfram-xetex-bidi.def

```

11093 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package
11094 \def\@outputdblcol{%
11095 \@nxtcol=\c@thisframe
11096 \c@curpg=\c@page
11097 \g@tnextcol{\@nxtcol}%
11098 \if@ff@nwpg % next flow frame starts on new page
11099 \global\@firstcolumntrue
11100 \setcolbox\c@thisframe
11101 \if@specialpage
11102 \global\@specialpagefalse
11103 \nameuse{ps@\@specialstyle}\relax
11104 \fi
11105 \if@twoside
11106 \ifodd\count\z@
11107 \let\@thehead\@oddhead
11108 \let\@thefoot\@oddfoot
11109 \else
11110 \let\@thehead\@evenhead
11111 \let\@thefoot\@evenfoot
11112 \fi
11113 \else
11114 \let\@thehead\@oddhead

```



```

11115 \let\@thefoot\@oddfoot
11116 \fi
11117 \@beginndvi
11118 \@dodynamicthehead\@dodynamicthefoot
11119 \vbadness=\@M
11120 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
11121 \@combinedblfloats
11122 \@outputpage
11123 \advance\c@curpg by -\c@page\relax
11124 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
11125 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
11126 \@outputpage}
11127 \begingroup
11128 \dblfloatplacement
11129 \startdblcolumn
11130 \@whilesw \if@fcolmade \fi
11131 {\@outputpage \@startdblcolumn }\endgroup
11132 \@resetst@tics
11133 \@resetdyn@mics
11134 else % still on same page, save contents of box255
11135 \global\@firstcolumnfalse
11136 \setcolbox\c@thisframe
11137 \fi
11138 \global\c@thisframe=\@nxtcol
11139 \@setcol{\c@thisframe}\relax
11140 \global\@colht\vsiz
11141 }
11142 \def\@outputpage{%
11143 \begingroup
11144 \let\protect\noexpand
11145 \@resetactivechars
11146 \global\let\@if@newlist\if@newlist
11147 \global\@newlistfalse\@parboxrestore
11148 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
11149 \bidi@beforeoutputpageshipouthook
11150 \shipout\vbox{\set@typeset@protect
11151 \aftergroup
11152 \endgroup
11153 \aftergroup
11154 \set@typeset@protect
11155 \reset@font\normalsize
11156 \bidi@font\@outputpage
11157 \normalsfcodes
11158 \let\label\@gobble
11159 \let\index\@gobble
11160 \let\glossary\@gobble
11161 \baselineskip\z@skip
11162 \lineskip\z@skip
11163 \lineskiplimit\z@
11164 \vskip\topmargin\moveright\@themargin

```



```

11165 \vbox{%
11166   \global\let\bidibeforeheader\@firstofone
11167   \bidibeforeheaderhook
11168   \vskip\headheight
11169   \vskip\headsep
11170   \global\let\bidibeforeoutputboxoutputpage\@firstofone
11171   \bidibeforeoutputboxoutputpagehook
11172   \box\@outputbox
11173   \global\let\bidiafteroutputboxoutputpage\@firstofone
11174   \bidiafteroutputboxoutputpagehook
11175 }}%
11176 \global\let\bidiafteroutputpageshipout\@firstofone
11177 \bidiafteroutputpageshipouthook
11178 \global\let\ifnewlist\@ifnewlist
11179 \stepcounter{page}%
11180 \setcounter{displayedframe}{0}%
11181 \let\firstmark\botmark
11182 \global\let\bidiatendoutputpage\@firstofone
11183 \bidiatendoutputpagehook
11184 }
11185
11186
11187 \newcommand*\bidis@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
11188 \expandafter\bidicolor\ff@txtcol}}
11189
11190 \newcommand{\bidiff@box}[3]{\@ffbackground{\vbox to#2
11191 {\hb@xt@ #1{\hss{\bidis@tfftextcol #3}\hss}\vss\kern\z@}}}%
11192
11193
11194 \renewcommand*{\@docolbox}[1]{%
11195 \edef\ff@frametype{%
11196 \csname @ff@frametype@\romannumeral#1\endcsname}%
11197 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
11198 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
11199 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
11200 \@ff@setoffset{#1}%
11201 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
11202 \ifthenelse{\boolean{columnframe\romannumeral#1}}{\%
11203 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
11204 {\csname colheight\romannumeral#1\endcsname}{%
11205 \expandafter\box\csname column\romannumeral#1\endcsname}{%
11206 \csname\ff@frametype\endcsname}%
11207 }{\%
11208 \bidiff@box{\csname colwidth\romannumeral#1\endcsname}%
11209 {\csname colheight\romannumeral#1\endcsname}{%
11210 \expandafter\box\csname column\romannumeral#1\endcsname}%
11211 }}}
11212 \ifclassloaded{book}{%
11213 \renewcommand\theequation
11214 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}

```





```

11215 \renewcommand \thefigure
11216     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11217 \renewcommand \thetable
11218     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11219 \renewcommand \thechapter {\@arabic\c@chapter}
11220 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11221 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11222 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11223 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11224 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11225 \ifclassloaded{report}{%
11226 \renewcommand \theequation
11227     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11228 \renewcommand \thefigure
11229     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11230 \renewcommand \thetable
11231     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11232 \renewcommand \thechapter {\@arabic\c@chapter}
11233 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11234 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11235 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
11236 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11237 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11238 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
11239 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
11240 \else
11241 #2\relax
11242 \fi}

```

## 64 File footnote-xetex-bidi.def

```

11243 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11244 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11245 \newif\ifbidi@autofooterule
11246 \def\bidi@mpfootnoterule{\footnoterule}
11247 \newcounter{footdir@label}
11248 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
11249 \newcommand*{\footdir@write}{%
11250 \stepcounter{footdir@label}%
11251 \zref@labelbyprops{\thefootdir@label}{abspage}%
11252 }
11253 \newif\iffootdir@debug
11254 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11255 \newtoks\footdir@toks
11256 \newcommand*{\footdir@debug}[1]{%
11257 \iffootdir@debug
11258 \typeout{[footdir] #1}%
11259 \fi
11260 }
11261 %\@ifpackagelater{zref-abspage}{2012/10/27}{%

```



```

11262 % \newcommand*{\footdir@LeftRightElse}{%
11263 %   \ltx@ifundefined{footdir@the\value{zabspage}}{%
11264 %     \footdir@debug{abspage \the\value{zabspage}: else}%
11265 %     \ltx@thirdofthree
11266 %   }{%
11267 %     \if\csname footdir@the\value{zabspage}\endcsname L%
11268 %       \footdir@debug{abspage \the\value{zabspage}: left}%
11269 %       \expandafter\ltx@firstofthree
11270 %     \else
11271 %       \footdir@debug{abspage \the\value{zabspage}: right}%
11272 %       \expandafter\ltx@secondofthree
11273 %     \fi
11274 %   }%
11275 % }%
11276 %}{%
11277 % \providecommand*{\c@zabspage}{\c@abspage}%
11278 % \newcommand*{\footdir@LeftRightElse}{%
11279 %   \footdir@write
11280 %   \zifrefundefined{\thefootdir@label}{%
11281 %     \footdir@debug{abspage ??: else}%
11282 %     \ltx@thirdofthree
11283 %   }{%
11284 %     \edef\footdir@abspage{%
11285 %       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11286 %     }%
11287 %     \ltx@ifundefined{footdir@\footdir@abspage}{%
11288 %       \footdir@debug{\footdir@abspage: else}%
11289 %       \ltx@thirdofthree
11290 %     }{%
11291 %       \if\csname footdir@\footdir@abspage\endcsname L%
11292 %         \footdir@debug{\footdir@abspage: left}%
11293 %         \expandafter\ltx@firstofthree
11294 %       \else
11295 %         \footdir@debug{\footdir@abspage: right}%
11296 %         \expandafter\ltx@secondofthree
11297 %       \fi
11298 %     }%
11299 %   }%
11300 % }%
11301 %}
11302 % \newcommand*{\footdir@fntext}[1]{%
11303 %   \zifrefundefined{\thefootdir@label}{%
11304 %     }{%
11305 %       \edef\footdir@name{%
11306 %         footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11307 %       }%
11308 %       \@ifundefined{footdir@name}{%
11309 %         \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11310 %       }{}%
11311 %     }%

```



```

11312 }
11313
11314 \newcommand*{\footdir@temp}[3]{%
11315   \ifdefinable{#1}{%
11316     \let#1#2%
11317     \renewcommand{#2}[1]{%
11318       \footdir@write
11319       \footdir@fntext{#3}%
11320       \stepcounter{footdir@label}%
11321       \footdir@fntext{#3}%
11322       \footdir@toks{##1}%
11323       \footdir@toks\expandafter{%
11324         \the\expandafter\footdir@toks
11325         \expandafter
11326         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
11327       }%
11328       \expandafter#1\expandafter{\the\footdir@toks}%
11329     }%
11330   }%
11331 }
11332
11333 \def\right@footnoterule{%
11334   \kern-3\p@
11335   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11336   \kern2.6\p@}
11337 \def\left@footnoterule{\kern-3\p@
11338   \hrule \@width .4\columnwidth \kern 2.6\p@}
11339 \def\textwidth@footnoterule{\kern-3\p@
11340   \hrule \@width \columnwidth \kern 2.6\p@}
11341 \def\leftfootnoterule{%
11342   \bidi@autofootnoterulefalse%
11343   \def\footnoterule{\left@footnoterule}}
11344 \let\LRfootnoterule=\leftfootnoterule
11345 \def\rightfootnoterule{%
11346   \bidi@autofootnoterulefalse%
11347   \def\footnoterule{\right@footnoterule}}
11348 \def\textwidthfootnoterule{%
11349   \bidi@autofootnoterulefalse%
11350   \def\footnoterule{\textwidth@footnoterule}}
11351
11352
11353
11354 \def\auto@footnoterule{%
11355   \footdir@LeftRightElse%
11356   \left@footnoterule%
11357   \right@footnoterule%
11358   \left@footnoterule%
11359 }
11360
11361

```



```

11362
11363 \def\autofootnoterule{%
11364 \bidi@autofootnoteruletrue%
11365 \def\footnoterule{\auto@footnoterule}%
11366 }
11367
11368 \newcommand*{\SplitFootnoteRule}{%
11369 \gdef\split@prev{0}
11370 \let\pagefootnoterule\footnoterule
11371 \let\mpfootnoterule\footnoterule
11372 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11373 \def\footnoterule{\relax
11374 \ifx \@listdepth\@mplistdepth
11375 \mpfootnoterule
11376 \else
11377 \ifnum\split@prev=\z@
11378 \pagefootnoterule
11379 \else
11380 \splitfootnoterule
11381 \fi
11382 \xdef\split@prev{\the\insertpenalties}%
11383 \fi
11384 }%
11385 }
11386
11387
11388
11389
11390 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11391 \protected@xdef\@thefnmark{\thempfn}%
11392 \@footnotemark\@RTLfootnotetext}}
11393 \def\@xRTLfootnote[#1]{%
11394 \begingroup
11395 \csname c@\@mpfn\endcsname #1\relax
11396 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11397 \endgroup
11398 \@footnotemark\@RTLfootnotetext}
11399 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11400 \protected@xdef\@thefnmark{\thempfn}%
11401 \@footnotemark\@LTRfootnotetext}}
11402 \def\@xLTRfootnote[#1]{%
11403 \begingroup
11404 \csname c@\@mpfn\endcsname #1\relax
11405 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11406 \endgroup
11407 \@footnotemark\@LTRfootnotetext}
11408
11409
11410 \def\setfootnoteRL{\@RTL@footnotetrue}
11411 \def\unsetfootnoteRL{\@RTL@footnotefalse}

```



```

11412 \def\setfootnoteLR{\unsetfootnoteRL}
11413
11414 \newcommand*{\bidi@@footnotetext@font}{\footnotesize}
11415 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11416 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11417
11418 \long\def\@footnotetext#1{\insert\footins{%
11419   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11420   \reset@font%
11421   \bidi@@footnotetext@font% \reset@font\footnotesize
11422   \interlinepenalty\interfootnotelinepenalty
11423   \splittopskip\footnotesep
11424   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11425   \hsize\columnwidth \@parboxrestore
11426   \protected@edef\@currentlabel{%
11427     \csname p@footnote\endcsname\@thefnmark
11428   }%
11429   \color@begingroup
11430     \@makefntext{%
11431       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11432   \color@endgroup}}%
11433
11434
11435 \long\def\@RTLfootnotetext#1{\insert\footins{%
11436   \@RTLtrue%
11437   \reset@font%
11438   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11439   \interlinepenalty\interfootnotelinepenalty
11440   \splittopskip\footnotesep
11441   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11442   \hsize\columnwidth \@parboxrestore
11443   \protected@edef\@currentlabel{%
11444     \csname p@footnote\endcsname\@thefnmark
11445   }%
11446   \color@begingroup
11447     \@makefntext{%
11448       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11449   \color@endgroup}}%
11450
11451 \long\def\@LTRfootnotetext#1{\insert\footins{%
11452   \@RTLfalse%
11453   \reset@font%
11454   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11455   \interlinepenalty\interfootnotelinepenalty
11456   \splittopskip\footnotesep
11457   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11458   \hsize\columnwidth \@parboxrestore
11459   \protected@edef\@currentlabel{%
11460     \csname p@footnote\endcsname\@thefnmark
11461   }%

```



```

11462 \color@begingroup
11463 \makefnintext{%
11464 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11465 \color@endgroup}}%
11466
11467 \AtBeginDocument{%
11468 \if@RTL@footnote
11469 \newcommand*{\bidi@footdir@footnote}{R}
11470 \else
11471 \newcommand*{\bidi@footdir@footnote}{L}
11472 \fi%
11473 }
11474
11475 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11476 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11477 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11478
11479 \long\def\@mpRTLfootnotetext#1{%
11480 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
11481 \global\setbox\@mpfootins\vbox{\@RTLtrue%
11482 \unvbox\@mpfootins
11483 \reset@font%
11484 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11485 \hsize\columnwidth
11486 \@parboxrestore
11487 \protected@edef\@currentlabel
11488 {\csname p@mpfootnote\endcsname\@thefnmark}%
11489 \color@begingroup
11490 \makefnintext{%
11491 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11492 \color@endgroup}}
11493 \long\def\@mpLTRfootnotetext#1{%
11494 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
11495 \global\setbox\@mpfootins\vbox{\@RTLfalse%
11496 \unvbox\@mpfootins
11497 \reset@font%
11498 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11499 \hsize\columnwidth
11500 \@parboxrestore
11501 \protected@edef\@currentlabel
11502 {\csname p@mpfootnote\endcsname\@thefnmark}%
11503 \color@begingroup
11504 \makefnintext{%
11505 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11506 \color@endgroup}}
11507 \long\def\@mpfootnotetext#1{%
11508 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
11509 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11510 \unvbox\@mpfootins
11511 \reset@font%

```



```

11512 \bidi@footnotetext@font% \reset@font\footnotesize
11513 \hsize\columnwidth
11514 \@parboxrestore
11515 \protected@edef\@currentlabel
11516     {\csname p@mpfootnote\endcsname\@thefnmark}%
11517 \color@begingroup
11518     \@makefnmark{%
11519         \rule\z@{\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11520     \color@endgroup}}
11521 \def\@iiiminipage#1#2[#3]#4{%
11522     \leavevmode
11523     \@pboxswfalse
11524     \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11525     \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11526     \setlength\@tempdima{#4}%
11527     \def\@mpargs{#{1}{#2}#{3}{#4}}%
11528     \setbox\@tempboxa\vbox\bgroup
11529         \color@begingroup
11530         \hsize\@tempdima
11531         \textwidth\hsize \columnwidth\hsize
11532         \@parboxrestore
11533         \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11534         \let\@footnotetext\@mpfootnotetext
11535         \let\@LTRfootnotetext\@mpLTRfootnotetext
11536         \let\@RTLfootnotetext\@mpRTLfootnotetext
11537         \let\@listdepth\@mplistdepth \@mplistdepth\z@
11538         \@minipagerestore
11539         \@setminipage}
11540 \def\endminipage{%
11541     \par
11542     \unskip
11543     \ifvoid\@mpfootins\else
11544         \vskip\skip\@mpfootins
11545         \normalcolor
11546         \bidi@mpfootnoterule
11547         \unvbox\@mpfootins
11548     \fi
11549     \@minipagefalse    %% added 24 May 89
11550 \color@endgroup
11551 \egroup
11552 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11553 \def\LTRthanks#1{\footnotemark
11554     \protected@xdef\@thanks{\@thanks
11555         \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11556 }
11557 \def\LTRfootnotetext{%
11558     \@ifnextchar [\@xLTRfootnotenext
11559     {\protected@xdef\@thefnmark{\thempfn}%
11560     \@LTRfootnotetext}}
11561 \def\@xLTRfootnotenext[#1]{%

```



```

11562 \begingroup
11563   \csname c@\mpfn\endcsname #1\relax
11564   \unrestored@protected@xdef\@thefnmark{\thempfn}%
11565 \endgroup
11566 \@LTRfootnotetext}
11567 \def\RTLthanks#1{\footnotemark
11568   \protected@xdef\@thanks{\@thanks
11569     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11570 }
11571 \let\@thanks\@empty
11572 \def\RTLfootnotetext{%
11573   \@ifnextchar [\@xRTLfootnotenext
11574     {\protected@xdef\@thefnmark{\thempfn}%
11575     \@RTLfootnotetext}}
11576 \def\@xRTLfootnotenext[#1]{%
11577   \begingroup
11578     \csname c@\mpfn\endcsname #1\relax
11579     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11580   \endgroup
11581   \@RTLfootnotetext}
11582 \leftfootnoterule

```

## 65 File framed-xetex-bidi.def

```

11583 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for X
11584 \renewcommand\TitleBarFrame[3][\begingroup
11585   \ifx\delimiter#1\delimiter
11586     \let\TF@conlab\@empty
11587   \else
11588     \def\TF@conlab{% continuation label
11589       \nointerlineskip
11590       \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
11591   \fi
11592   %\let\TF@savecolor\current@color
11593   \textcolor{TFFrameColor}{%
11594     \CustomFBox
11595     {\TF@Title{#2}}{\TF@conlab}%
11596     \fboxrule\fboxrule\fboxrule\fboxrule
11597     %{\let\current@color\TF@savecolor\set@color #3}%
11598     {\normalcolor #3}%
11599   }\endgroup
11600 }
11601 \renewenvironment{titled-frame}[1]{%
11602   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
11603     \TitleBarFrame{\textbf{#1}}}%
11604   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
11605     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
11606   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
11607     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont
11608   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt

```





```

11609 \TitleBarFrame{\textbf{#1\ (cont)}}}%
11610 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11611 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11612 % could interfere with the width measurement.
11613 {\endMakeFramed}
11614 \chardef\FrameRestore=\catcode`\| % for debug
11615 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
11616 \def\fb@put@frame#1#2{\relax
11617 \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
11618 | \message{===== Entering putframe =====}^~J
11619 | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal.}%
11620 \ifinner
11621 \fb@putboxa#1%
11622 \fb@afterframe
11623 \else
11624 \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11625 \ifdim\dimen@<2\baselineskip % Too little room on page
11626 | \message{Page has only \the\dimen@\space room left; eject.}%
11627 \eject \fb@adjheight \fb@put@frame#1#2%
11628 \else % there's appreciable room left on the page
11629 \fb@sizeofframe#1%
11630 | \message{\string\pagetotal=\the\pagetotal,
11631 | \string\pagegoal=\the\pagegoal,
11632 | \string\pagestretch=\the\pagestretch,
11633 | \string\pageshrink=\the\pageshrink,
11634 | \string\fb@frh=\the\fb@frh. \space}
11635 | \message{^^JBox of size \the\ht\@tempboxa\space}%
11636 \begingroup % temporarily set \dimen@ to be...
11637 \advance\dimen@.8\pageshrink % maximum space available on page
11638 \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11639 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11640 \expandafter\endgroup
11641 % expand \ifdim, then restore \dimen@ to real room left on page
11642 \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11643 | \message{fits in \the\dimen@.}%
11644 % ToDo: Change this to use vsplit anyway to capture the marks
11645 % MERGE THIS WITH THE else CLAUSE!!!
11646 \fb@putboxa#1%
11647 \fb@afterframe
11648 \else % box must be split
11649 | \message{must be split to fit in \the\dimen@.}%
11650 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11651 \fb@sizeofframe#2%
11652 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11653 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11654 \kern137sp\kern-137sp\penalty-30
11655 \unvbox\@tempboxa}%
11656 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11657 \splittopskip\the\splittopskip}%
11658 \boxmaxdepth\z@ \splittopskip\z@

```



```

11659 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11660 | % Split box here
11661 | \setbox\tw@\vsplit\@tempboxa to\dimen@
11662 | \toks99\expandafter{\splitfirstmark}%
11663 | \toks98\expandafter{\splitbotmark}%
11664 | \message{Marks are: \the\toks99, \the\toks98. }%
11665 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11666 | \message{Natural height of split box is \the\ht\tw@, leaving
11667 | \the\ht\@tempboxa\space remainder. }%
11668 | % If the split-to size > (\vsize-\topskip), then set box to full size.
11669 | \begingroup
11670 | \advance\dimen@\topskip
11671 | \expandafter\endgroup
11672 | \ifdim\dimen@>\pagegoal
11673 | \message{Frame is big -- Use up the full column. }%
11674 | \dimen@ii\pagegoal
11675 | \advance\dimen@ii -\topskip
11676 | \advance\dimen@ii \FrameHeightAdjust\relax
11677 | \else % suspect this is implemented incorrectly:
11678 | % If the split-to size > feasible room_on_page, rebox it smaller.
11679 | \advance\dimen@.8\pageshrink
11680 | \ifdim\ht\tw@>\dimen@
11681 | \message{Box too tall; rebox it to \the\dimen@. }%
11682 | \dimen@ii\dimen@
11683 | \else % use natural size
11684 | \dimen@ii\ht\tw@
11685 | \fi
11686 | \fi
11687 | % Re-box contents to desired size \dimen@ii
11688 | \advance\dimen@ii -\fb@frh
11689 | \setbox\tw@\vbox to\dimen@ii \bgroup
11690 | % remove simulated frame and page flexibility:
11691 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11692 | \unvbox\tw@ \unpenalty\unpenalty
11693 | \ifdim\lastkern=-137sp % whole box went to next page
11694 | \message{box split at beginning! }%
11695 | % need work here???
11696 | \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11697 | \fb@adjheight
11698 | \fb@put@frame#1#2% INSERTED ???
11699 | \else % Got material split off at the head
11700 | \egroup \fb@resto@set
11701 | \ifvoid\@tempboxa % it all fit after all
11702 | \message{box split at end! }%
11703 | \setbox\@tempboxa\box\tw@
11704 | \fb@putboxa#1%
11705 | \fb@afterframe
11706 | \else % it really did split
11707 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11708 | \ifdim\wd\tw@>\z@

```



```

11709         \wd\tw@\wd\@tempboxa
11710         \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11711     \else
11712 |         \message{Zero width means likely blank. Don't frame it (guess)}%
11713         \box\tw@
11714     \fi
11715     \hrule \@height\z@ \@width\hsize
11716     \eject
11717     \fb@adjheight
11718     \fb@put@frame\LastFrameCommand\MidFrameCommand
11719 \fi\fi\fi\fi\fi
11720 }
11721 \def\fb@putboxa#1{%
11722     \ifvoid\@tempboxa
11723         \PackageWarning{framed}{Boxa is void -- discard it. }%
11724     \else
11725 |         \message{Frame and place boxa. }%
11726 |         %{\showoutput\showbox\@tempboxa}%
11727         \centerline{#1{\hboxL{\box\@tempboxa}}}%
11728     \fi
11729 }
11730 \catcode`\|=\FrameRestore
11731 \def\FrameRestore{%
11732     \let\if@nobreak\iffalse
11733     \let\if@noskipsec\iffalse
11734     \let\-\@dischyp
11735     \let'\@acci\let\` \@accii\let\= \@acciii
11736     % \message{FrameRestore:
11737     %     \@totalleftmargin=\the \@totalleftmargin,
11738     %     \rightmargin=\the\rightmargin,
11739     %     \@listdepth=\the\@listdepth. }%
11740     % Test if we are in a list (or list-like paragraph)
11741     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11742         \ifdim\rightmargin>\z@ 1\fi
11743         \ifnum\@listdepth>\z@ 1\fi 0>\z@
11744         % \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11745         %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11746         %     \labelwidth=\the\labelwidth. }%
11747         \@setminipage % snug fit around the item
11748         % Now try to propagate changes of width from \hsize to list parameters.
11749         % This is deficient, but a more advanced way to indicate modification to text
11750         % dimensions is not (yet) provided; in particular, no separate left/right
11751         % adjustment.
11752         \advance\linewidth-\columnwidth \advance\linewidth\hsize
11753         \parshape\@ne \@totalleftmargin \linewidth
11754     \else % Not in list
11755         \linewidth=\hsize
11756         %\message{No list, set \string\linewidth=\the\hsize. }%
11757     \fi
11758     \sloppy

```



11759 }

## 66 File ftnright-xetex-bidi.def

```
11760 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
11761
11762 \def\prepare@bidi@copyins{%
11763   \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
11764   \global\skip\@bidi@copyins@\z@
11765   \global\count\@bidi@copyins@\z@
11766   \global\dimen\@bidi@copyins@\textheight}
11767
11768 \newskip\bidi@rcol@copyinsskip
11769
11770 \def\LTR@outputdblcol{%
11771   \if@firstcolumn
11772     \global\@firstcolumnfalse
11773     \global\setbox\@leftcolumn\copy\@outputbox
11774     \global\count\footins\@m
11775     \global\skip\footins\rcol@footinsskip
11776     \global\count\@bidi@copyins@\@m
11777     \global\skip\@bidi@copyins@\bidi@rcol@copyinsskip
11778     \splitmaxdepth\maxdimen
11779     \vbadness\maxdimen
11780     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11781     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11782     \toks@{\expandafter{\topmark}}%
11783     \xdef\@firstcoltopmark{\the\toks@}%
11784     \toks@{\expandafter{\splitfirstmark}}%
11785     \xdef\@firstcolfirstmark{\the\toks@}%
11786     \ifx\@firstcolfirstmark\@empty
11787       \global\let\@setmarks\relax
11788     \else
11789       \gdef\@setmarks{%
11790         \let\firstmark\@firstcolfirstmark
11791         \let\topmark\@firstcoltopmark}%
11792     \fi
11793   \else
11794     \preparefootins
11795     \prepare@bidi@copyins
11796     \global\@firstcolumntrue
11797     \setbox\@outputbox\vbox{%
11798       \hb@xt@\textwidth{%
11799         \hb@xt@\columnwidth{%
11800           \bidi@firstcolumn@status@write%
11801           \box\@leftcolumn \hss}%
11802         \hfil
11803         {\normalcolor\vrule \@width\columnseprule}%
11804         \hfil
11805         \hb@xt@\columnwidth{%
```



```

11806      \bidi@lastcolumn@status@write%
11807      \box\@outputbox \hss}}}%
11808 \combinedblfloats
11809   \setmarks
11810   \outputpage
11811   \begingroup
11812     \dblfloatplacement
11813     \startdblcolumn
11814     \@whiles\if@fcolmade \fi{\@outputpage
11815       \startdblcolumn}%
11816   \endgroup
11817 \fi}%
11818
11819 \def\RTL@outputdblcol{%
11820   \if@firstcolumn
11821     \global\@firstcolumnfalse
11822     \global\setbox\@leftcolumn\copy\@outputbox
11823     \global\count\footins\@m
11824     \global\skip\footins\rcol@footinsskip
11825     \global\count\@bidi@copyins\@m
11826     \global\skip\@bidi@copyins\@bidi@rcol@copyinsskip
11827     \splitmaxdepth\maxdimen
11828     \vbadness\maxdimen
11829     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11830     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11831     \toks@{\expandafter{\topmark}}%
11832     \xdef\@firstcoltopmark{\the\toks@}%
11833     \toks@{\expandafter{\splitfirstmark}}%
11834     \xdef\@firstcolfirstmark{\the\toks@}%
11835     \ifx\@firstcolfirstmark\@empty
11836       \global\let\setmarks\relax
11837     \else
11838       \gdef\setmarks{%
11839         \let\firstmark\@firstcolfirstmark
11840         \let\topmark\@firstcoltopmark}%
11841     \fi
11842   \else
11843     \preparefootins
11844     \prepare@bidi@copyins
11845     \global\@firstcolumntrue
11846     \setbox\@outputbox\vbox{%
11847       \hb@xt@\textwidth{%
11848         \hskip \columnwidth
11849         \hfil
11850         {\normalcolor\vrule \@width\columnseprule}%
11851         \hfil
11852         \hb@xt@\columnwidth{%
11853           \bidi@firstcolumn@status@write%
11854           \box\@leftcolumn \hss}%
11855         \hskip -\textwidth

```



```

11856      \hb@xt@\columnwidth{%
11857      \bidi@lastcolumn@status@write%
11858      \box\@outputbox \hss}%
11859      \hskip \columnsep
11860      \hskip \columnwidth }}%
11861 \@combinedblfloats
11862   \setmarks
11863   \outputpage
11864   \beginngroup
11865     \dblfloatplacement
11866     \startdblcolumn
11867     \@whiles\if@fcolmade \fi{\@outputpage
11868     \@startdblcolumn}%
11869     \endgroup
11870   \fi}%
11871
11872 \def\@startcolumn{%
11873   \ifx\@deferlist\@empty
11874     \global\@fcolmadefalse
11875     \global\@colroom\@colht
11876   \else
11877     \ifvoid\footins\else
11878       \ftn@amount\ht\footins
11879       \advance\ftn@amount\dp\footins
11880       \advance\ftn@amount\skip\footins
11881     \fi
11882     \ifvoid\@bidi@copyins\else
11883       \bidi@copyins@amount\ht\@bidi@copyins@
11884       \advance\bidi@copyins@amount\dp\@bidi@copyins@
11885       \advance\bidi@copyins@amount\skip\@bidi@copyins@
11886     \fi
11887     \global\advance\@colht-\ftn@amount
11888     \global\advance\@colht-\bidi@copyins@amount
11889     \global\@colroom\@colht
11890     \@xstartcol
11891     \global\advance\@colht\ftn@amount
11892     \global\advance\@colroom\ftn@amount
11893     \global\advance\@colht\bidi@copyins@amount
11894     \global\advance\@colroom\bidi@copyins@amount
11895   \fi
11896   \if@fcolmade
11897     \setbox\@cclv\box\@outputbox
11898     \@makecol
11899   \else
11900     \ifvoid\footins\else
11901       \insert\footins{\unvbox\footins}\fi
11902     \ifvoid\@bidi@copyins\else
11903       \insert\@bidi@copyins@{\unvbox\@bidi@copyins@}\fi
11904   \fi}
11905

```



```

11906 \newdimen\bidicopyinsamount
11907
11908 \def\@makecol{\if@firstcolumn
11909   \setbox\@outputbox\box\@cclv
11910   \if@twocolumn \else
11911     \ifvoid\footins \else
11912       \@latexerr{ftnright package
11913         used in one-column mode}%
11914       {The ftnright package was designed to
11915         work with LaTeX's standard^^Jtwocolumn
11916         option. It does *not* work with the
11917         multicol package.^^JSo please specify
11918         `twocolumn' in the
11919         \noexpand\documentclass command.}%
11920       \shipout\box\footins \fi
11921     \ifvoid\@bidicopyins@ \else
11922       \@latexerr{ftnright package
11923         used in one-column mode}%
11924       {The ftnright package was designed to
11925         work with LaTeX's standard^^Jtwocolumn
11926         option. It does *not* work with the
11927         multicol package.^^JSo please specify
11928         `twocolumn' in the
11929         \noexpand\documentclass command.}%
11930       \shipout\box\@bidicopyins@ \fi\fi
11931     \ifnum\insertpenalties>\z@
11932       \@latexerr{ftnright package
11933         scrambled footnotes}%
11934       {There is too much footnote material in
11935         the first column and ftnright^^Jis
11936         unable to cope with this.^^JYou need
11937         to reduce the amount to get a properly
11938         formatted page.}%
11939     \fi
11940   \else
11941     \ifvoid\footins
11942       \ifvoid\@bidicopyins@
11943         \setbox\@outputbox\box\@cclv
11944       \else
11945         \setbox\@outputbox\vbox
11946         {\ifvoid\@cclv \else
11947           \unvbox\@cclv
11948           \vskip \skip\@bidicopyins@
11949         \fi
11950           \color@begingroup
11951           \normalcolor
11952           \unvbox \@bidicopyins@
11953           \color@endgroup}%
11954     \fi
11955   \else

```



```

11956 \setbox\@outputbox\vbox
11957 {\ifvoid\@cclv\else
11958 \unvbox\@cclv
11959 \vskip\skip\footins\fi
11960 \color@begingroup
11961 \normalcolor
11962 \footnoterule\unvbox\footins
11963 \color@endgroup
11964 \ifvoid\@bidi@copyins@
11965 \else
11966 \vskip \skip\@bidi@copyins@
11967 \color@begingroup
11968 \normalcolor
11969 \unvbox \@bidi@copyins@
11970 \color@endgroup
11971 \fi
11972 }%
11973 \fi
11974 \fi
11975 \xdef\@freelist{\@freelist\@midlist}%
11976 \global\let \@midlist \@empty
11977 \@combinefloats
11978 \ifvbox\@kludgeins
11979 \@makespecialcolbox
11980 \else
11981 \setbox\@outputbox\vbox to\@colht
11982 {\boxmaxdepth\maxdepth
11983 \texttop
11984 \tempdima\dp\@outputbox
11985 \unvbox\@outputbox
11986 \vskip-\@tempdima
11987 \textbottom}%
11988 \fi
11989 \global\maxdepth\@maxdepth}
11990
11991 \let\leftfootnoterule\@empty
11992 \let\rightfootnoterule\@empty
11993 \let\textwidthfootnoterule\@empty
11994 \let\autofootnoterule\@empty
11995 \let\footnoterule\@empty
11996 \long\def\@makefntext#1{\parindent 1em
11997 \noindent\hbox to 2em{}%
11998 \llap{\@thefnmark\hbox{.}\,\,\,}\#1}
11999
12000 \setlength{\skip\@bidi@copyins@}
12001 {10pt plus 5pt minus 3pt}
12002 \AtBeginDocument{\prepare@bidi@copyins}

```





## 67 File graphicx-xetex-bidi.def

```

12003 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
12004 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
12005   \Grot@setangle{#1}%
12006   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
12007   \Grot@x\z@
12008   \Grot@y\z@
12009   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
12010 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
12011   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
12012   \Grot@x\width\divide\Grot@x\tw@
12013   \Grot@y\height\advance\Grot@y-\depth\divide\Grot@y\tw@
12014   \setkeys{Grot}{#1}%
12015   \setbox\z@\box\@tempboxa
12016   \Grot@setangle{#2}%
12017   \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
12018   \@end@tempboxa}
12019 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
12020   \leavevmode
12021   \def\Gscale@x{#1}\def\Gscale@y{#2}%
12022   \setbox\z@\hbox{#3}%
12023   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
12024   \ifdim#2\p<\z@
12025     \ht\tw@-#2\dp\z@
12026     \dp\tw@-#2\ht\z@
12027   \else
12028     \ht\tw@#2\ht\z@
12029     \dp\tw@#2\dp\z@
12030   \fi
12031   \ifdim#1\p<\z@
12032     \hbxt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
12033   \else
12034     \wd\tw@#1\wd\z@
12035     \box\tw@
12036   \fi\ifmmode\else\if@RTL\endL\fi\fi}
12037 \def\Gin@iii[#1,#2][#3,#4]#5{%
12038   \beginngroup
12039   \ifmmode\else\if@RTL\beginL\fi\fi
12040   \Gin@bboxtrue
12041   \Gin@defaultbp\Gin@llx{#1}%
12042   \Gin@defaultbp\Gin@lly{#2}%
12043   \Gin@defaultbp\Gin@urx{#3}%
12044   \Gin@defaultbp\Gin@ury{#4}%
12045   \Gin@include@graphics{#5}%
12046   \ifmmode\else\if@RTL\endL\fi\fi
12047   \endgroup}
12048 \def\Gin@ii[#1]#2{%
12049   \def\@tempa{[]}\def\@tempb{#2}%
12050   \ifx\@tempa\@tempb

```



```

12051     \def\@tempa{\Gin@iii[#1] []}%
12052     \expandafter\@tempa
12053   \else
12054     \begingroup
12055       \ifmmode\else\if@RTL\beginL\fi\fi
12056       \@tempswafalse
12057       \toks@{\Gin@include@graphics{#2}}%
12058       \setkeys{Gin}{#1}%
12059       \Gin@esetsize
12060       \the\toks@
12061       \ifmmode\else\if@RTL\endL\fi\fi
12062     \endgroup
12063   \fi}
12064 \def\reflectbox{\bidiGscale@box-1[1]}
12065 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
12066   \leavevmode
12067   \def\Gscale@x{#1}\def\Gscale@y{#2}%
12068   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
12069   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
12070   \ifdim#2\p<\z@
12071     \ht\tw@-#2\dp\z@
12072     \dp\tw@-#2\ht\z@
12073   \else
12074     \ht\tw@#2\ht\z@
12075     \dp\tw@#2\dp\z@
12076   \fi
12077   \ifdim#1\p<\z@
12078     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
12079   \else
12080     \wd\tw@#1\wd\z@
12081     \box\tw@
12082   \fi\ifmmode\else\if@RTL\endL\fi\fi}
12083 \def\scalebox#1{%
12084   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
12085 \def\resizebox{%
12086   \leavevmode
12087   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
12088 \def\bidiGscale@@box#1#2#3{%
12089   \let\@tempa\Gin@exclamation
12090   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
12091   \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
12092   \ifx\@tempb\@tempa
12093     \ifx\@tempc\@tempa
12094       \toks@{\mbox}%
12095     \else
12096       \toks@{\bidiGscale@box@dd{#3}#1}%
12097     \fi
12098   \else
12099     \ifx\@tempc\@tempa
12100       \toks@{\bidiGscale@box@dd{#2}\width}%

```



```

12101 \else
12102 \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
12103 \fi
12104 \fi
12105 \the\toks@}
12106 \long\def\bidiGscale@box@dd#1#2#3{%
12107 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@
12108 \setlength\@tempdima{#1}%
12109 \setlength\@tempdimb{#2}%
12110 \Gscale@div\@tempa\@tempdima\@tempdimb
12111 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
12112 \@end@tempboxa}
12113 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
12114 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@
12115 \setlength\@tempdima{#1}%
12116 \setlength\@tempdimb{#2}%
12117 \Gscale@div\@tempa\@tempdima\@tempdimb
12118 \setlength\@tempdima{#3}%
12119 \setlength\@tempdimb{#4}%
12120 \Gscale@div\@tempb\@tempdima\@tempdimb
12121 \ifGin@iso
12122 \ifdim\@tempa\p@>\@tempb\p@
12123 \let\@tempa\@tempb
12124 \else
12125 \let\@tempb\@tempa
12126 \fi
12127 \fi
12128 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
12129 \@end@tempboxa}

```

## 68 File geometry-xetex-bidi.def

```

12130 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
12131 \renewcommand*{\Gm@vrules@mpi}{%
12132 \if@RTLmain%
12133 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
12134 \llap{\Gm@vrule}\ignorespaces
12135 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
12136 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
12137 \else%
12138 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
12139 \hskip \textwidth\Gm@vrule\hskip \marginparsep
12140 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
12141 \renewcommand*{\Gm@vrules@mpii}{%
12142 \if@RTLmain%
12143 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
12144 \hskip \textwidth\Gm@vrule\hskip \marginparsep
12145 \llap{\Gm@vrule}\hfil\Gm@vrule}%
12146 \else%
12147 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep

```



```

12148 \llap{\Gm@vrule}\ignorespaces
12149 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
12150 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
12151 \bidi@patchcmd{\Gm@pageframes}{%
12152   \ifodd\count\z@
12153   \let\@themargin\oddsidemargin
12154   \else
12155   \let\@themargin\evensidemargin
12156   \fi
12157 }{%
12158   \ifodd\count\z@
12159   \if@RTLmain
12160   \let\@themargin\evensidemargin
12161   \else
12162   \let\@themargin\oddsidemargin
12163   \fi
12164   \else
12165   \if@RTLmain
12166   \let\@themargin\oddsidemargin
12167   \else
12168   \let\@themargin\evensidemargin
12169   \fi
12170   \fi
12171 }{}{}

```

## 69 File hvfloat-xetex-bidi.def

```

12172 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
12173 \def\do@hvFloat[#1]#2#3{%
12174 \def\hv@shortCap{#1}
12175 \def\hv@longCap{#2}
12176 \def\hv@label{#3}
12177 %\newcommand*{\hvFloat}[5][{}]{%
12178 % #1: keyvalues
12179 % #2: type figure | table | ...
12180 % #3: float contents
12181 % #4: short caption
12182 % #5: caption
12183 % #6: label
12184 % \setDefault%
12185 % \def\@tempa{#1}%
12186 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi set options, only when not empty
12187 \def\@tempa{90}%
12188 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
12189 \else \setlength{\hvMaxCapWidth}{\linewidth}
12190 \fi
12191 %
12192 % First we save the object in \hvObjectBox
12193 %
12194 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?

```



```

12195 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
12196 \else
12197 \savebox{\hvObjectBox}{%
12198 \rotatebox{\hvSet@objectAngle}{%
12199 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
12200 \fi
12201 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
12202 %
12203 % Now we save the caption with its defined \hvCapWidth
12204 %
12205 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
12206 \else
12207 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
12208 \else
12209 \setlength{\hvCapWidth}{\hvObjectWidth}
12210 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12211 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12212 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
12213 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
12214 \else
12215 \setlength{\hvCapWidth}{\hvMaxCapWidth}
12216 \fi
12217 \fi
12218 \fi
12219 %
12220 % now we have the object and the caption with the right
12221 % rotated angles saved in boxes
12222 %
12223 \def\fps@figure{\hvSet@floatPos}
12224 \ifhv@nonFloat\begin{group}% Start the nonfloat part
12225 \else \begin{\hv@floatType}% Start the floating environment
12226 \fi%
12227 \saveCaptionSkip% we put this space ourselves
12228 \ifx\hvSet@capAngle\hv@Width % need rotation?
12229 \sbox{\hvCaptionBox}{%
12230 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12231 \ifhv@nonFloat%
12232 \ifhv@onlyText#2%
12233 \else%
12234 \ifx\hv@floatType\hv@figure
12235 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
12236 \else
12237 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
12238 \fi
12239 \fi
12240 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
12241 \fi%
12242 \label{#3}%
12243 \end{minipage}%
12244 }%

```



```

12245 \else%
12246 \sbox{\hvCaptionBox}{%
12247 \rotatebox{\hvSet@capAngle}{%
12248 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12249 \ifhv@nonFloat%
12250 \ifhv@onlyText#2%
12251 \else%
12252 \ifx\hv@floatType\hv@figure
12253 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
12254 \else
12255 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
12256 \fi
12257 \fi
12258 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
12259 \fi%
12260 \label{#3}%
12261 \end{minipage}%
12262 }%
12263 }%
12264 \fi%
12265 %%
12266 \restoreCaptionSkip% save old values
12267 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
12268 \else%
12269 \ifx\hvSet@objectPos\hv@Center
12270 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
12271 \fi%
12272 \fi%
12273 %
12274 % to rotate object and caption together, we save all in another box
12275 % the caption comes first, if its on the left or the top
12276 %
12277 \savebox{\@tempboxa}{%
12278 \ifx\hvSet@capPos\hv@Left % caption on left side
12279 \if@RTL%
12280 \ifx\hvSet@capVPos\hv@Center%
12281 \ifhv@fbox
12282 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12283 \else
12284 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12285 \fi%
12286 \hspace{\hvSet@floatCapSep pt}%
12287 \ifhv@fbox
12288 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12289 \else
12290 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12291 \fi%
12292 \else%
12293 \ifx\hvSet@capVPos\hv@Top
12294 \ifhv@fbox

```



```

12295 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12296 \else
12297 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12298 \fi%
12299 \hspace{\hvSet@floatCapSep pt}%
12300 \ifhv@fbox
12301 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12302 \else
12303 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12304 \fi
12305 \else
12306 \ifhv@fbox
12307 \fbox{\usebox{\hvObjectBox}}%
12308 \else
12309 \usebox{\hvObjectBox}%
12310 \fi
12311 \hspace{\hvSet@floatCapSep pt}%
12312 \ifhv@fbox
12313 \fbox{\usebox{\hvCaptionBox}}%
12314 \else
12315 \usebox{\hvCaptionBox}%
12316 \fi%
12317 \fi%
12318 \fi%
12319 \else% not RTL
12320 \ifx\hvSet@capVPos\hv@Center%
12321 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12322 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12323 \fi%
12324 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12325 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12326 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12327 \fi%
12328 \else%
12329 \ifx\hvSet@capVPos\hv@Top % caption at top
12330 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12331 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12332 \fi
12333 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12334 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12335 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12336 \fi%
12337 \else% caption on bottom
12338 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12339 \else\usebox{\hvCaptionBox}
12340 \fi%
12341 \hspace{\hvSet@floatCapSep pt}%
12342 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12343 \else \usebox{\hvObjectBox}
12344 \fi%

```



```

12345 \fi%
12346 \fi% end of RTL
12347 \fi%
12348 \else
12349 \ifx\hvSet@capPos\hv@Top
12350 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12351 \begin{minipage}{\wd\hvCaptionBox}
12352 \else
12353 \begin{minipage}{\wd\hvObjectBox}
12354 \fi
12355 \centering
12356 \ifhv@fbox
12357 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
12358 \fbox{\usebox{\hvObjectBox}}
12359 \else
12360 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
12361 \usebox{\hvObjectBox}
12362 \fi%
12363 \end{minipage}
12364 \else
12365 \ifx\hvSet@capPos\hv@Bottom
12366 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12367 \begin{minipage}{\wd\hvCaptionBox}
12368 \else
12369 \begin{minipage}{\wd\hvObjectBox}
12370 \fi
12371 \centering
12372 \ifhv@fbox
12373 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
12374 \fbox{\usebox{\hvCaptionBox}}
12375 \else
12376 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12377 \usebox{\hvCaptionBox}
12378 \fi%
12379 \end{minipage}
12380 \else% the last option: put the caption on the right
12381 \if@RTL%
12382 \ifx\hvSet@capVPos\hv@Center%
12383 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12384 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12385 \fi%
12386 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12387 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12388 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12389 \fi%
12390 \else%
12391 \ifx\hvSet@capVPos\hv@Top % caption at top
12392 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12393 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12394 \fi

```





```

12395     \hspace{\hvSet@floatCapSep pt}% capfloatsep
12396     \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12397     \else      \raisebox{-\height}{\usebox{\hvObjectBox}}%
12398     \fi%
12399 \else% caption on bottom
12400     \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
12401     \else\usebox{\hvCaptionBox}
12402     \fi%
12403     \hspace{\hvSet@floatCapSep pt}%
12404     \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
12405     \else      \usebox{\hvObjectBox}
12406     \fi%
12407 \fi%
12408 \fi%
12409 \else% not RTL
12410 \ifx\hvSet@capVPos\hv@Center%
12411 \ifhv@fbox
12412 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12413 \else
12414 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12415 \fi%
12416 \hspace{\hvSet@floatCapSep pt}%
12417 \ifhv@fbox
12418 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12419 \else
12420 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12421 \fi%
12422 \else%
12423 \ifx\hvSet@capVPos\hv@Top
12424 \ifhv@fbox
12425 \fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12426 \else
12427 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12428 \fi%
12429 \hspace{\hvSet@floatCapSep pt}%
12430 \ifhv@fbox
12431 \fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12432 \else
12433 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12434 \fi
12435 \else
12436 \ifhv@fbox
12437 \fbbox{\usebox{\hvObjectBox}}%
12438 \else
12439 \usebox{\hvObjectBox}%
12440 \fi
12441 \hspace{\hvSet@floatCapSep pt}%
12442 \ifhv@fbox
12443 \fbbox{\usebox{\hvCaptionBox}}%
12444 \else

```



```

12445 \usebox{\hvCaptionBox}%
12446 \fi%
12447 \fi%
12448 \fi
12449 \fi% end of RTL
12450 \fi
12451 \fi
12452 \fi
12453 }% End savebox Object and caption
12454 %
12455 % now we rotate the object and caption, if needed
12456 %
12457 \ifx\hvSet@rotAngle\hv@Zero
12458 \usebox{\@tempboxa}
12459 \else
12460 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12461 \fi
12462 \ifhv@nonFloat
12463 \ifx\hvSet@objectPos\hv@Center
12464 \ifhv@nonFloat
12465 \hspace{\fill}
12466 \fi
12467 \fi
12468 \endgroup% End the nonfloat part
12469 \else
12470 \end{\hv@floatType}% End the floating environment
12471 \fi
12472 }

```

## 70 File hyperref-xetex-bidi.def

```

12473 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package]
12474 \AtBeginDocument{%
12475 \def\contentsline#1#2#3#4{%
12476 \ifx\#4\%
12477 \csname l@#1\endcsname{#2}{#3}%
12478 \else
12479 \ifcase\Hy@linktoc % none
12480 \csname l@#1\endcsname{#2}{#3}%
12481 \or % section
12482 \csname l@#1\endcsname{%
12483 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12484 }{#3}%
12485 \or % page
12486 \csname l@#1\endcsname{#2}{#3}%
12487 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12488 }%
12489 \else % all
12490 \csname l@#1\endcsname{%
12491 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend

```



```

12492     }{%
12493     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12494     }%
12495     \fi
12496 \fi
12497 }
12498 \ifHy@hyperfootnotes
12499 \let\H@@footnotetext\@footnotetext
12500 \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
12501 \let\HLTR@@LTRfootnotetext\@LTRfootnotetext
12502 \def\@xfootnotenext[#1]{%
12503 \begingroup
12504 \csname c@\@mpfn\endcsname #1\relax
12505 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12506 \endgroup
12507 \ifx\@footnotetext\@mpfootnotetext
12508 \expandafter\H@@mpfootnotetext
12509 \else
12510 \expandafter\H@@footnotetext
12511 \fi
12512 }%
12513 \def\@xRTLfootnotenext[#1]{%
12514 \begingroup
12515 \csname c@\@mpfn\endcsname #1\relax
12516 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12517 \endgroup
12518 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12519 \expandafter\HRTL@@mpRTLfootnotetext
12520 \else
12521 \expandafter\HRTL@@RTLfootnotetext
12522 \fi
12523 }%
12524 \def\@xLTRfootnotenext[#1]{%
12525 \begingroup
12526 \csname c@\@mpfn\endcsname #1\relax
12527 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12528 \endgroup
12529 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12530 \expandafter\HLTR@@mpLTRfootnotetext
12531 \else
12532 \expandafter\HLTR@@LTRfootnotetext
12533 \fi
12534 }%
12535 \def\@xfootnotemark[#1]{%
12536 \begingroup
12537 \c@footnote #1\relax
12538 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12539 \endgroup
12540 \H@@footnotemark
12541 }%

```



```

12542 \let\H@@mpfootnotetext\@mpfootnotetext
12543 \let\HRTL@@mpRTLfootnotetext\@mpRTLfootnotetext
12544 \let\HLTR@@mpLTRfootnotetext\@mpLTRfootnotetext
12545 \long\def\@mpfootnotetext#1{%
12546 \H@@mpfootnotetext{%
12547 \ifHy@nesting
12548 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12549 \else
12550 \Hy@raisedlink{%
12551 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12552 }#1%
12553 \fi
12554 }%
12555 }%
12556 \long\def\@mpRTLfootnotetext#1{%
12557 \HRTL@@mpRTLfootnotetext{%
12558 \ifHy@nesting
12559 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12560 \else
12561 \Hy@raisedlink{%
12562 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12563 }#1%
12564 \fi
12565 }%
12566 }%
12567 \long\def\@mpLTRfootnotetext#1{%
12568 \HLTR@@mpLTRfootnotetext{%
12569 \ifHy@nesting
12570 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12571 \else
12572 \Hy@raisedlink{%
12573 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12574 }#1%
12575 \fi
12576 }%
12577 }%
12578 \long\def\@footnotetext#1{%
12579 \H@@footnotetext{%
12580 \ifHy@nesting
12581 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12582 \else
12583 \Hy@raisedlink{%
12584 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12585 }%
12586 \let\@currentHlabel\Hy@footnote@currentHlabel
12587 \let\@currentHref\Hy@footnote@currentHref
12588 \let\@currentlabelname\@empty
12589 #1%
12590 \fi
12591 }%

```



```

12592 }%
12593 \long\def\@RTLfootnotetext#1{%
12594 \HRTL@RTLfootnotetext{%
12595 \ifHy@nesting
12596 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12597 \else
12598 \Hy@raisedlink{%
12599 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12600 }%
12601 \let\@currentHlabel\Hy@footnote@currentHlabel
12602 \let\@currentHref\Hy@footnote@currentHref
12603 \let\@currentlabelname\@empty
12604 #1%
12605 \fi
12606 }%
12607 }%
12608 \long\def\@LTRfootnotetext#1{%
12609 \HLTR@LTRfootnotetext{%
12610 \ifHy@nesting
12611 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12612 \else
12613 \Hy@raisedlink{%
12614 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12615 }%
12616 \let\@currentHlabel\Hy@footnote@currentHlabel
12617 \let\@currentHref\Hy@footnote@currentHref
12618 \let\@currentlabelname\@empty
12619 #1%
12620 \fi
12621 }%
12622 }%
12623 \@ifpackageloaded{tabularx}{%
12624 \let\HyOrg@TX@endtabularx\TX@endtabularx
12625 \def\Hy@tabularx@hook{%
12626 \let\@footnotetext\H@@footnotetext
12627 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
12628 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
12629 \let\@footnotemark\H@@footnotemark
12630 \let\@mpfootnotetext\H@@mpfootnotetext
12631 \let\@mpLTRfootnotetext\HLTR@mpLTRfootnotetext
12632 \let\@mpRTLfootnotetext\HRTL@mpRTLfootnotetext
12633 }%
12634 \begingroup
12635 \toks@\expandafter{\TX@endtabularx}%
12636 \xdef\Hy@gtemp{%
12637 \noexpand\Hy@tabularx@hook
12638 \the\toks@
12639 }%
12640 \endgroup
12641 \let\TX@endtabularx\Hy@gtemp

```



```

12642 }{}%
12643 \ifpackageloaded{longtable}{%
12644 \CheckCommand*{\LT@p@LTRftntext}[1]{%
12645 \edef\@tempa{%
12646 \the\LT@p@ftn
12647 \noexpand\LTRfootnotetext[\the\c@footnote]%
12648 }%
12649 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12650 }%
12651 \long\def\LT@p@LTRftntext#1{%
12652 \edef\@tempa{%
12653 \the\LT@p@ftn
12654 \begingroup
12655 \noexpand\c@footnote=\the\c@footnote\relax
12656 \noexpand\protected@xdef\noexpand\@thefnmark{%
12657 \noexpand\thempfn
12658 }%
12659 \noexpand\Hy@LT@LTRfootnotetext{%
12660 \Hy@footnote@currentHref
12661 }%
12662 }%
12663 \global\LT@p@ftn\expandafter{%
12664 \@tempa{#1}%
12665 \endgroup
12666 }%
12667 }%
12668 \long\def\Hy@LT@LTRfootnotetext#1#2{%
12669 \HLTR@@LTRfootnotetext{%
12670 \ifHy@nesting
12671 \hyper@@anchor{#1}{#2}%
12672 \else
12673 \Hy@raisedlink{%
12674 \hyper@@anchor{#1}{\relax}%
12675 }%
12676 \def\@currentHref{#1}%
12677 \let\@currentlabelname\@empty
12678 #2%
12679 \fi
12680 }%
12681 }%
12682 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12683 \edef\@tempa{%
12684 \the\LT@p@ftn
12685 \noexpand\RTLfootnotetext[\the\c@footnote]%
12686 }%
12687 \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12688 }%
12689 \long\def\LT@p@RTLftntext#1{%
12690 \edef\@tempa{%
12691 \the\LT@p@ftn

```



```

12692     \begingroup
12693     \noexpand\c@footnote=\the\c@footnote\relax
12694     \noexpand\protected@xdef\noexpand\@thefnmark{%
12695     \noexpand\thempfn
12696     }%
12697     \noexpand\Hy@LT@RTLfootnotetext{%
12698     \Hy@footnote@currentHref
12699     }%
12700   }%
12701   \global\LT@p@ftn\expandafter{%
12702   \@tempa{#1}%
12703   \endgroup
12704   }%
12705 }%
12706 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12707 \HRTL@RTLfootnotetext{%
12708   \ifHy@nesting
12709   \hyper@@anchor{#1}{#2}%
12710   \else
12711   \Hy@raisedlink{%
12712   \hyper@@anchor{#1}{\relax}%
12713   }%
12714   \def\@currentHref{#1}%
12715   \let\@currentlabelname\@empty
12716   #2%
12717   \fi
12718   }%
12719 }%
12720 }{}%
12721 \@ifpackageloaded{bidipoem}{%
12722 \long\def\bidipoem@p@ftntext#1{%
12723 \edef\@tempx{%
12724   \the\bidipoem@p@ftn
12725   \begingroup
12726   \noexpand\csname c@\mpfn\endcsname=\the\csname c@\mpfn\endcsname\relax
12727   \noexpand\protected@xdef\noexpand\@thefnmark{%
12728   \noexpand\thempfn
12729   }%
12730   \noexpand\Hy@bidipoem@footnotetext{%
12731   \Hy@footnote@currentHref
12732   }%
12733   }%
12734   \global\bidipoem@p@ftn\expandafter{%
12735   \@tempx{#1}%
12736   \endgroup
12737   }%
12738 }%
12739 \long\def\Hy@bidipoem@footnotetext#1#2{%
12740 \H@footnotetext{%
12741   \ifHy@nesting

```



```

12742         \hyper@@anchor{#1}{#2}%
12743     \else
12744         \Hy@raisedlink{%
12745             \hyper@@anchor{#1}{\relax}%
12746         }%
12747         \def\@currentHref{#1}%
12748         \let\@currentlabelname\@empty
12749         #2%
12750     \fi
12751 }%
12752 }%
12753 \long\def\bidipoem@p@LTRftntext#1{%
12754 \edef\@tempxi{%
12755     \the\bidipoem@p@ftn
12756 \begingroup
12757     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12758     \noexpand\protected@xdef\noexpand\@thefnmark{%
12759         \noexpand\thempfn
12760     }%
12761     \noexpand\Hy@bidipoem@LTRfootnotetext{%
12762         \Hy@footnote@currentHref
12763     }%
12764 }%
12765 \global\bidipoem@p@ftn\expandafter{%
12766     \@tempxi{#1}%
12767 \endgroup
12768 }%
12769 }%
12770 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12771 \HLTR@@LTRfootnotetext{%
12772     \ifHy@nesting
12773         \hyper@@anchor{#1}{#2}%
12774     \else
12775         \Hy@raisedlink{%
12776             \hyper@@anchor{#1}{\relax}%
12777         }%
12778         \def\@currentHref{#1}%
12779         \let\@currentlabelname\@empty
12780         #2%
12781     \fi
12782 }%
12783 }%
12784 \long\def\bidipoem@p@RTLftntext#1{%
12785 \edef\@tempxi{%
12786     \the\bidipoem@p@ftn
12787 \begingroup
12788     \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12789     \noexpand\protected@xdef\noexpand\@thefnmark{%
12790         \noexpand\thempfn
12791     }%

```





```

12792         \noexpand\Hy@bidipoem@RTLfootnotetext{%
12793             \Hy@footnote@currentHref
12794         }%
12795     }%
12796     \global\bidipoem@p@ftn\expandafter{%
12797         \@tempxi{#1}%
12798     \endgroup
12799     }%
12800 }%
12801 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12802     \HRTL@RTLfootnotetext{%
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 }{}%
12816 \let\HyOrg@maketitle\maketitle
12817 \def\maketitle{%
12818     \let\Hy@saved@footnotemark\@footnotemark
12819     \let\Hy@saved@footnotetext\@footnotetext
12820     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12821     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12822     \let\@footnotemark\H@footnotemark
12823     \let\@footnotetext\H@footnotetext
12824     \let\@RTLfootnotetext\HRTL@RTLfootnotetext
12825     \let\@LTRfootnotetext\HLTR@LTRfootnotetext
12826     \ifnextchar[\Hy@maketitle@optarg{ } ]
12827         \HyOrg@maketitle
12828         \Hy@maketitle@end
12829     }%
12830 }%
12831 \def\Hy@maketitle@optarg[#1]{%
12832     \HyOrg@maketitle[{#1}]%
12833     \Hy@maketitle@end
12834 }%
12835 \def\Hy@maketitle@end{%
12836     \ifx\@footnotemark\H@footnotemark
12837         \let\@footnotemark\Hy@saved@footnotemark
12838     \fi
12839     \ifx\@footnotetext\H@footnotetext
12840         \let\@footnotetext\Hy@saved@footnotetext
12841     \fi

```



```

12842 \ifx\@RTLfootnotetext\HRTL\@RTLfootnotetext
12843 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12844 \fi
12845 \ifx\@LTRfootnotetext\HLTR\@LTRfootnotetext
12846 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12847 \fi
12848 }%
12849 \def\realfootnote{%
12850 \@ifnextchar[\@xfootnote{%
12851 \stepcounter{\@mpfn}%
12852 \protected@xdef\@thefnmark{\thempfn}%
12853 \H@@footnotemark\H@@footnotetext
12854 }%
12855 }%
12856 \fi
12857 \def\Hy@BeginAnnot#1{%
12858 \ifmmode\else\beginL\fi%
12859 \global\advance\c@Hy@AnnotLevel\@ne
12860 \ifnum\c@Hy@AnnotLevel=\@ne
12861 #1%
12862 \fi
12863 }
12864 \def\Hy@endAnnot{%
12865 \ifnum\c@Hy@AnnotLevel=\@ne
12866 \Hy@endcolorlink
12867 \@pdfm@mark{eann}%
12868 \fi
12869 \global\advance\c@Hy@AnnotLevel\m@ne
12870 \ifmmode\else\endL\fi%
12871 }
12872 \def\hyper@link#1#2#3{%
12873 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\
12874 }
12875 \def\hyper@linkfile#1#2#3{%
12876 \leavevmode
12877 \Hy@BeginAnnot{%
12878 \def\Hy@pstringF{#2}%
12879 \Hy@CleanupFile\Hy@pstringF
12880 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12881 \Hy@pstringdef\Hy@pstringD{#3}%
12882 \Hy@MakeRemoteAction
12883 \@pdfm@mark{%
12884 bann<<%
12885 /Type/Annot%
12886 /Subtype/Link%
12887 \ifHy@pdfa /F 4\fi
12888 \Hy@setpdfborder
12889 \ifx\@filebordercolor\relax
12890 \else
12891 /C[\@filebordercolor]%

```



```

12892      \fi
12893      /A<<%
12894      /S/GoToR%
12895      /F(\Hy@pstringF)%
12896      /D%
12897      \ifx\#3\%
12898      [\Hy@href@page\@pdfremotestartview]%
12899      \else
12900      (\Hy@pstringD)%
12901      \fi
12902      \Hy@SetNewWindow
12903      \Hy@href@nextactionraw
12904      >>%
12905      >>%
12906      }%
12907      \Hy@colorlink\@filecolor
12908      }%
12909      \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12910      \Hy@EndAnnot
12911      }
12912      \def\@hyper@launch run:#1\#2#3{% filename, anchor text linkname
12913      \leavevmode
12914      \Hy@BeginAnnot{%
12915      \Hy@pstringdef\Hy@pstringF{#1}%
12916      \Hy@pstringdef\Hy@pstringP{#3}%
12917      \@pdfm@mark{%
12918      bann<<%
12919      /Type/Annot%
12920      /Subtype/Link%
12921      \ifHy@pdfa /F 4\fi
12922      \Hy@setpdfborder
12923      \ifx\@runbordercolor\relax
12924      \else
12925      /C[\@runbordercolor]%
12926      \fi
12927      /A<<%
12928      /F(\Hy@pstringF)%
12929      /S/Launch%
12930      \Hy@SetNewWindow
12931      \ifx\#3\%
12932      \else
12933      /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12934      \fi
12935      \Hy@href@nextactionraw
12936      >>%
12937      >>%
12938      }%
12939      \Hy@colorlink\@runcolor
12940      }%
12941      \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end

```



```

12942 \Hy@EndAnnot
12943 }
12944 \def\hyper@linkurl#1#2{%
12945 \leavevmode
12946 \Hy@BeginAnnot{%
12947 \Hy@pstringdef\Hy@pstringURI{#2}%
12948 \@pdfm@mark{%
12949 bann<<%
12950 /Type/Annot%
12951 /Subtype/Link%
12952 \ifHy@pdfa /F 4\fi
12953 \Hy@setpdfborder
12954 \ifx\@urlbordercolor\relax
12955 \else
12956 /C[\@urlbordercolor]%
12957 \fi
12958 /A<<%
12959 /S/URI%
12960 /URI(\Hy@pstringURI)%
12961 \ifHy@href@ismap
12962 /IsMap true%
12963 \fi
12964 \Hy@href@nextactionraw
12965 >>%
12966 >>%
12967 }%
12968 \Hy@colorlink\@urlcolor
12969 }%
12970 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12971 \Hy@EndAnnot
12972 }
12973 \def\Acrobatmenu#1#2{%
12974 \Hy@Acrobatmenu{#1}{#2}{%
12975 \Hy@BeginAnnot{%
12976 \EdefEscapeName\Hy@temp@menu{#1}%
12977 \@pdfm@mark{%
12978 bann<<%
12979 /Type/Annot%
12980 /Subtype/Link%
12981 \ifHy@pdfa /F 4\fi
12982 \Hy@setpdfborder
12983 \ifx\@menubordercolor\relax
12984 \else
12985 /C[\@menubordercolor]%
12986 \fi
12987 /A<<%
12988 /S/Named%
12989 /N/\Hy@temp@menu
12990 \Hy@href@nextactionraw
12991 >>%

```



```

12992         >>%
12993     }%
12994     \Hy@colorlink\@menucolor
12995 }%
12996 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12997 \Hy@endAnnot
12998 }%
12999 }
13000 \def\hyper@natlinkstart#1{%
13001     \Hy@backout{#1}%
13002     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
13003     \def\hyper@nat@current{#1}%
13004 }
13005 \def\hyper@natlinkend{%
13006     \if@RTL\endR\fi\hyper@linkend
13007 }
13008 \def\hyper@natlinkbreak#1#2{%
13009     \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
13010 }%
13011 }
13012 \pdfstringdefDisableCommands{%
13013     \let\LRE\@firstofone
13014     \let\LR\@firstofone
13015     \let\RLE\@firstofone
13016     \let\RL\@firstofone
13017     \def\XeTeX{Xe\TeX}%
13018     \def\XeLaTeX{Xe\LaTeX}%
13019 }
13020 \ifpackageloaded{longtable}{%
13021     \begingroup
13022         \def\y{\LT@array}%
13023         \@ifundefined{scr@LT@array}{%
13024             \@ifundefined{adl@LT@array}{%{\def\y{\adl@LT@array}}}%
13025             {%{\def\y{\scr@LT@array}}}%
13026         \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
13027             \expandafter\endgroup
13028             \expandafter\def\y[#1]##2{%
13029                 \H@refstepcounter{#1}%
13030                 \hyper@makecurrent{table}%
13031                 \let\Hy@LT@currentHref\@currentHref
13032                 #2\@sharp####4%
13033             }%
13034         }%
13035     \expandafter\expandafter\expandafter\x\y[{#1}]{#2}\@nil
13036     \begingroup
13037         \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
13038             \endgroup
13039             \def\LT@start{%
13040                 #1%
13041                 \ifvoid\LT@foot#2\fi

```



```

13042      \let\@currentHref\Hy@LT@currentHref
13043      \Hy@raisedlink{%
13044        \hyper@anchorstart{\@currentHref}\hyper@anchorend
13045      }%
13046      #3%
13047    }%
13048  }%
13049  \expandafter\x\LT@start\@nil
13050 }{}
13051 \bidi@patchcmd\@TextField{%
13052   \@pdfm@mark
13053 }{%
13054   \if@RTL
13055     \hskip\Fld@width
13056   \fi
13057   \@pdfm@mark
13058 }{}{}
13059 \bidi@patchcmd\@TextField{%
13060   \unhbox
13061 }{%
13062   \if@RTL
13063     \hskip-\Fld@width
13064   \fi
13065   \unhbox
13066 }{}{}
13067 \bidi@patchcmd\@@Radio{%
13068   \@pdfm@mark
13069 }{%
13070   \if@RTL
13071     \hskip\Fld@width
13072   \fi
13073   \@pdfm@mark
13074 }{}{}
13075 \bidi@patchcmd\@@Radio{%
13076   \unhcopy
13077 }{%
13078   \if@RTL
13079     \hskip-\Fld@width
13080   \fi
13081   \unhcopy
13082 }{}{}
13083 \bidi@patchcmd\@Submit{%
13084   \@pdfm@mark
13085 }{%
13086   \if@RTL
13087     \null
13088     \hskip\wd\pdfm@box
13089   \fi
13090   \@pdfm@mark
13091 }{}{}

```



```

13092 \bidi@patchcmd\@Submit{%
13093   \unhbox
13094 }{%
13095   \if@RTL
13096     \hskip-\wd\pdfm@box
13097   \fi
13098   \unhbox
13099 }{}{}
13100 \bidi@patchcmd\@Reset{%
13101   \@pdfm@mark
13102 }{%
13103   \if@RTL
13104     \null
13105     \hskip\wd\pdfm@box
13106   \fi
13107   \@pdfm@mark
13108 }{}{}
13109 \bidi@patchcmd\@Reset{%
13110   \unhbox
13111 }{%
13112   \if@RTL
13113     \hskip-\wd\pdfm@box
13114   \fi
13115   \unhbox
13116 }{}{}

```

## 71 File imspdoc-xetex-bidi.def

```

13117 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class for ]
13118 \newenvironment{thebibliography}[1]{%
13119   \@bibtitlestyle
13120   \normalfont\bibliofont\labelsep .5em\relax
13121   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
13122   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13123   \bidi@@thebibliography@font@hook
13124   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
13125     \leftmargin\labelwidth \advance\leftmargin\labelsep
13126     \usecounter{enumiv}}%
13127   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
13128   \sfcode`\.=\@m
13129 }{%
13130   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
13131   \endlist
13132 }
13133
13134 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
13135   \columnseprule\z@ \columnsep 35p@
13136   \@indextitlestyle
13137   \thispagestyle{plain}%
13138   \let\item\@idxitem

```



```

13139 \parindent\z@ \parskip\z@\@plus.3\p@\relax
13140 \if@RTL\raggedleft\else\raggedright\fi
13141 \hyphenpenalty\@M
13142 \footnotesize}
13143 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
13144 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
13145 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
13146
13147 \def\right@footnoterule{%
13148 \kern-.4\p@
13149 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
13150 \kern11\p@\kern-\footnotesep}
13151 \def\left@footnoterule{\kern-.4\p@
13152 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
13153 \def\@makefnmark{%
13154 \leavevmode
13155 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
13156 }
13157
13158 \def\part{\@startsection{part}{0}%
13159 \z@\linespacing\@plus\linespacing}{.5\linespacing}%
13160 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
13161 \def\@tocline#1#2#3#4#5#6#7{\relax
13162 \ifnum #1>\c@tocdepth % then omit
13163 \else
13164 \par \addpenalty\@secpenalty\addvspace{#2}%
13165 \begingroup \hyphenpenalty\@M
13166 \@ifempty{#4}{%
13167 \@tempdima\csname r@tocindent\number#1\endcsname\relax
13168 }{%
13169 \@tempdima#4\relax
13170 }%
13171 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi#4\relax
13172 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
13173 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
13174 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
13175 \nobreak
13176 \endgroup
13177 \fi}
13178 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
13179 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
13180 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
13181 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
13182 \def\maketitle{\par
13183 \@topnum\z@ % this prevents figures from falling at the top of page 1
13184 \@setcopyright
13185 \thispagestyle{firstpage}% this sets first page specifications
13186 \uppercase\nonmath\shorttitle
13187 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
13188 \else \andify\shortauthors

```





```

13189 \fi
13190 \@maketitle@hook
13191 \begingroup
13192 \@maketitle
13193 \toks@{@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
13194 \toks4{\def\{\ \ignorespaces}}}% defend against questionable usage
13195 \edef\@tempa{%
13196   \@nx\markboth{\the\toks4
13197     \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
13198 \@tempa
13199 \endgroup
13200 \c@footnote\z@
13201 \clearatopmattertags
13202 }

```

## 72 File legno-xetex-bidi.def

```

13203 \ProvidesFile{legno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for legno tag for XeTeX e
13204 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
13205 \rlap{\hskip -\displaywidth
13206   {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}

```

## 73 File letter-xetex-bidi.def

```

13207 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
13208 \renewcommand*\opening}[1]{\ifx\@empty\fromaddress
13209   \thispagestyle{firstpage}%
13210   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
13211 \else % home address
13212   \thispagestyle{empty}%
13213   {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
13214     \fromaddress \*[2\parskip]%
13215     \@date \end{tabular}\par}%
13216 \fi
13217 \vspace{2\parskip}%
13218 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
13219 \vspace{2\parskip}%
13220 #1\par\nobreak}
13221 \renewcommand\left@footnoterule{%
13222   \kern-\p@
13223   \hrule \@width .4\columnwidth
13224   \kern .6\p@}
13225 \renewcommand\right@footnoterule{%
13226   \kern-\p@
13227   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13228   \kern .6\p@}

```

## 74 File lettrine-xetex-bidi.def

```

13229 \ProvidesFile{lettrine-xetex-bidi.def}[2019/05/01 v0.7 bidi adaptations for lettrine package 1

```



```

13230 \def\@lettrine[#1]#2#3{%
13231   \def\l@initial{#2}\let\l@refstring\l@initial
13232   \setcounter{L@lines}{\value{DefaultLines}}%
13233   \setcounter{L@depth}{\value{DefaultDepth}}%
13234   \renewcommand*{\L@hang}{\DefaultLhang}%
13235   \renewcommand*{\L@oversize}{\DefaultLoversize}%
13236   \renewcommand*{\L@raise}{\DefaultLraise}%
13237   \renewcommand*{\L@ante}{}%
13238   \setlength{\L@Findent}{\DefaultFindent}%
13239   \setlength{\L@Nindent}{\DefaultNindent}%
13240   \setlength{\L@slope}{\DefaultSlope}%
13241   \setlength{\L@novskip}{\DiscardVskip}%
13242   \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
13243   \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
13244   \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
13245   \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
13246   \setkeys{L}{#1}%
13247   \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
13248   \ifL@realh
13249     \def\@tempa{#3}%
13250     \ifx\@tempa\@empty
13251       \PackageWarning{lettrine.sty}%
13252         {Empty second argument,\MessageBreak
13253           ignoring option `realheight';}%
13254     \else
13255       \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13256     \fi
13257   \fi
13258   \if\DefaultOptionsFile\relax
13259   \else
13260     \begingroup
13261     \InputIfFileExists{\DefaultOptionsFile}%
13262     {}%
13263     {\PackageWarning{lettrine.sty}%
13264       {File \DefaultOptionsFile\space not found}%
13265     }%
13266     \def\color##1##{\l@color{##1}}%
13267     \let\l@color\@gobbletwo
13268     \def\textcolor##1##{\l@textcolor{##1}}%
13269     \def\l@textcolor##1##2##3{##3}%
13270     \expandafter\ifx\csname l@#2-keys\endcsname\relax
13271       \gdef\l@LOKeys{%
13272         \else
13273         \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
13274       \fi
13275     \endgroup
13276     \def\KV@prefix{KV@L@}%
13277     \let\@tempc\relax
13278     \expandafter\KV@do\l@LOKeys,\relax,
13279     \setupL@lbox

```



```

13280 \setlength{\LettrineWidth}{\wd\L@lbox}%
13281 \def\KV@prefix{KV@L@}%
13282 \let\@tempc\relax
13283 \expandafter\KV@do\l@L@Keys,\relax,
13284 \setkeys{L}{#1}%
13285 \fi
13286 \setupL@lbox
13287 \setlength{\LettrineWidth}{\wd\L@lbox}%
13288 \setlength{\LettrineHeight}{\ht\L@lbox}%
13289 \setlength{\LettrineDepth}{\dp\L@lbox}%
13290 \begingroup
13291 \def\IeC##1{##1}%
13292 \@tempdima=\L@oversize pt\relax
13293 \PackageInfo{lettrine.sty}%
13294 {Targeted height = \the\L@target@tth\MessageBreak
13295 (no accent, loversize=0),\MessageBreak
13296 Lettrine height = \the\LettrineHeight\space (#2)%
13297 \ifdim\@tempdima=z@\else\space loversize=\L@oversize\fi;%
13298 \MessageBreak reported}%
13299 \endgroup
13300 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13301 \setlength{\L@first}{\LettrineHeight}%
13302 \setlength{\L@lraise}{\L@raise\L@target@tth}%
13303 \addtolength{\L@first}{\L@lraise}%
13304 \ifnum\value{L@lines}=1
13305 \addtolength{\L@first}{-\ht\L@tbox}%
13306 \else
13307 \addtolength{\L@first}{-\L@target@tth}%
13308 \addtolength{\L@lraise}{-\L@target@dp}%
13309 \fi
13310 \par
13311 \ifdim\L@first>\L@novskip
13312 \ifL@grid
13313 \@tempdima=\baselineskip
13314 \@tempdimb=\@tempdima
13315 \advance\@tempdimb by \L@novskip
13316 \@tempcnta=1
13317 \loop\ifdim\L@first>\@tempdimb
13318 \advance\@tempcnta by 1
13319 \advance\L@first by -\@tempdima
13320 \repeat
13321 \L@first=\@tempcnta\baselineskip
13322 \fi
13323 \vskip\L@first
13324 \fi
13325 \setlength{\L@Pindent}{\wd\L@lbox}%
13326 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
13327 \settowidth{\L@first}{\L@ante}%
13328 \addtolength{\L@Pindent}{\L@first}%
13329 \addtolength{\L@Pindent}{\L@Findent}%

```



```

13330 \setlength{\L@first}{\linewidth}%
13331 \addtolength{\L@first}{-\L@Pindent}%
13332 \addtolength{\L@Nindent}{\L@Pindent}%
13333 \setlength{\L@next}{\linewidth}%
13334 \addtolength{\L@next}{-\L@Nindent}%
13335 \addtolength{\L@Pindent}{\@totalleftmargin}%
13336 \addtolength{\L@Nindent}{\@totalleftmargin}%
13337 \addtocounter{L@lines}{1}%
13338 \addtocounter{L@lines}{\value{L@depth}}%
13339 \if@RTL
13340 \def\L@parshape{\c@L@lines \z@ \the\L@first}%
13341 \else
13342 \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
13343 \fi
13344 \@tempcnta=\tw@
13345 \@whilenum \@tempcnta<\c@L@lines\do{%
13346 \if@RTL
13347 \edef\L@parshape{\L@parshape \z@ \the\L@next}%
13348 \else
13349 \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
13350 \fi
13351 \addtolength{\L@Nindent}{\L@slope}%
13352 \addtolength{\L@next}{-\L@slope}%
13353 \advance\@tempcnta\@ne}%
13354 \if@RTL
13355 \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
13356 \else
13357 \edef\L@parshape{\L@parshape \@totalleftmargin \the\linewidth}%
13358 \fi
13359 \noindent
13360 \parshape=\L@parshape\relax
13361 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
13362 \hskip \the\L@Findent}}%
13363 \usebox{\L@tbox}%
13364 \ifnum\@listdepth>0 \Lreset@listparshape \fi
13365 }

```

## 75 File lineno-xetex-bidi.def

```

13366 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for X
13367 \bidi@patchcmd{\MakeLineNo}{%
13368 \hb@xt@\z@{\makeLineNumber}%
13369 }{%
13370 \hboxL to \z@{\makeLineNumber}%
13371 }{}{}
13372
13373 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
13374 \if@RTL
13375 \hb@xt@\linenumberwidth{\LineNumber\hss}%
13376 \else

```



```

13377 \LineNumber
13378 \fi
13379 }{}{}
13380
13381 \bidi@patchcmd{\makeLineNumberRight}{%
13382 \hb@xt@\linenumberwidth{\hss\LineNumber}%
13383 }{%
13384 \if@RTL
13385 \LineNumber
13386 \else
13387 \hb@xt@\linenumberwidth{\hss\LineNumber}%
13388 \fi
13389 }{}{}
13390
13391 \bidi@AfterPreamble{%
13392 \if@RTLmain
13393 \rightlinenumbers*
13394 \else
13395 \leftlinenumbers*
13396 \fi
13397 \@ifpackagewith{lineno}{left}{%
13398 \leftlinenumbers*
13399 }{}
13400 \@ifpackagewith{lineno}{right}{%
13401 \rightlinenumbers*
13402 }{}
13403 }
13404

```

## 76 File listings-xetex-bidi.def

```

13405 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
13406 \lst@Key{captiondirection}{texdirection}{%
13407 \lstKV@SwitchCases{#1}%
13408 {texdirection:\%
13409 RTL:\chardef\bidi@lst@caption@direction\@ne\%
13410 LTR:\chardef\bidi@lst@caption@direction\z@%
13411 }\PackageError{Listings}{direction #1 unknown}\@ehc}}
13412
13413 \lst@Key{captionscript}{textscript}{%
13414 \lstKV@SwitchCases{#1}%
13415 {textscript:\%
13416 latin:\chardef\bidi@lst@caption@script\@ne\%
13417 nonlatin:\chardef\bidi@lst@caption@script\z@%
13418 }\PackageError{Listings}{direction #1 unknown}\@ehc}}
13419
13420 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
13421 \@ifundefined{bidi@lst@caption@direction}{}{%
13422 \ifnum\bidi@lst@caption@direction=\z@%
13423 #1%

```



```

13424 \else%
13425 \ifnum\bidilst@caption@direction=\@ne%
13426 #2%
13427 \fi%
13428 \fi%
13429 }}
13430
13431 \newcommand*{\bidilst@ensure@caption@script}[2]{%
13432 \@ifundefined{bidilst@caption@script}{}{%
13433 \ifnum\bidilst@caption@script=\z@%
13434 #1%
13435 \else%
13436 \ifnum\bidilst@caption@script=\@ne%
13437 #2%
13438 \fi%
13439 \fi%
13440 }}
13441
13442 \long\def\@bidilst@makecaption#1#2{%
13443 \bidilst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13444 \vskip\abovcaptionskip
13445 \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13446 \sbox\@tempboxa{%
13447 \bidilst@ensure@caption@direction{\beginL}{\beginR}%
13448 #1: #2%
13449 \bidilst@ensure@caption@direction{\endL}{\endR}%
13450 }%
13451 \ifdim \wd\@tempboxa >\hsize
13452 #1: #2\par
13453 \else
13454 \global \@minipagefalse
13455 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13456 \fi
13457 \vskip\belowcaptionskip}%
13458 \def\lst@makecaption{\@bidilst@makecaption}
13459 \def\lst@maketitle{\@bidilst@makecaption\lst@title@dropdelim}
13460 \bidilst@AtEndPreamble{%
13461 \bidilst@patchcmd{\lst@MakeCaption}{%
13462 \ifx #1%
13463 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13464 \expandafter\refstepcounter
13465 \fi {lstlisting}%
13466 }{%
13467 \ifx #1%
13468 \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13469 \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13470 \expandafter\refstepcounter
13471 \fi {lstlisting}%
13472 \bidilst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13473 }{}%

```



```

13474 \bidi@patchcmd{\lst@MakeCaption}{%
13475         \addcontentsline{lol}{lstlisting}%
13476         {\protect\numberline{\thelstlisting}\lst@@caption}%
13477 }{%
13478 \begingroup%
13479         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13480         \addcontentsline{lol}{lstlisting}%
13481         {\protect\numberline{\thelstlisting}\lst@@caption}%
13482 \endgroup%
13483 }{}{}%
13484 }
13485 \@ifpackageloaded{caption}{%
13486     \AtBeginCaption{%
13487         \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13488         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13489     }
13490     \let\bidi@lst@makecaption\caption@makecaption%
13491     \def\lst@makecaption{\caption@starfalse\bidi@lst@makecaption}%
13492     \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\empty}%
13493 }{}%
13494 \AtBeginDocument{%
13495     \@ifundefined{captionlabelfalse}{}{%
13496         \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\empty}}%
13497     \@ifundefined{caption@startrue}{}{%
13498         \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\empty}}%
13499 }%
13500 }
13501 \AtBeginDocument{
13502     \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
13503     \lst@ifnumberbychapter
13504         \gdef\thelstlisting%
13505             {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13506     \else
13507         \gdef\thelstlisting{\@arabic\c@lstlisting}
13508     \fi}

```

## 77 File loadingorder-xetex-bidi.def

```

13509 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
13510 \bidi@isloaded{amsmath}
13511 \bidi@isloaded{amstext}
13512 \bidi@isloaded{amsthm}
13513 \bidi@isloaded{animate}
13514 \bidi@isloaded{breqn}
13515 \bidi@isloaded{cals}
13516 \bidi@isloaded{caption}
13517 \bidi@isloaded{crop}
13518 \bidi@isloaded{cuted}
13519 \bidi@isloaded{cutwin}
13520 \bidi@isloaded{color}

```



```

13521 \bidi@isloaded{dblfnote}
13522 \bidi@isloaded{diagbox}
13523 \bidi@isloaded{xcolor}
13524 \bidi@isloaded{colortbl}
13525 \bidi@isloaded{float}
13526 \bidi@isloaded{floatrow}
13527 \bidi@isloaded{flowfram}
13528 \bidi@isloaded{framed}
13529 \bidi@isloaded{ftnright}
13530 \bidi@isloaded{xltextra}
13531 \bidi@isloaded{xunicode}
13532 \bidi@isloaded{wrapfig}
13533 \bidi@isloaded{graphicx}
13534 \bidi@isloaded{geometry}
13535 \bidi@isloaded{hvfloating}
13536 \bidi@isloaded{mdframed}
13537 \bidi@isloaded{midfloat}
13538 \bidi@isloaded{ntheorem}
13539 \bidi@isloaded{ntheorem-hyper}
13540 \bidi@isloaded{hyperref}
13541 \bidi@isloaded{fancybox}
13542 \bidi@isloaded{fancyhdr}
13543 \bidi@isloaded{fix2col}
13544 \bidi@isloaded{draftwatermark}
13545 \bidi@isloaded{empheq}
13546 \bidi@isloaded{overpic}
13547 \bidi@isloaded{pdfpages}
13548 \bidi@isloaded{listings}
13549 \bidi@isloaded{lettrine}
13550 \bidi@isloaded{lineno}
13551 \bidi@isloaded{media9}
13552 \bidi@isloaded{pstricks}
13553 \bidi@isloaded{pgf}
13554 \bidi@isloaded{pictinpar}
13555 \bidi@isloaded{quotchap}
13556 \bidi@isloaded{tikz}
13557 \bidi@isloaded{titlesec}
13558 \bidi@isloaded{titletoc}
13559 \bidi@isloaded{array}
13560 \bidi@isloaded{soul}
13561 \bidi@isloaded{stabular}
13562 \bidi@isloaded{subfig}
13563 \bidi@isloaded{subfigure}
13564 \bidi@isloaded{supertabular}
13565 \bidi@isloaded{xtab}
13566 \bidi@isloaded{longtable}
13567 \bidi@isloaded{arydshln}
13568 \bidi@isloaded{multicol}
13569 \bidi@isloaded{multienum}
13570 \bidi@isloaded{minitoc}

```





```

13571 \bidi@isloaded{natbib}
13572 \bidi@isloaded{newfloat}
13573 \bidi@isloaded{ragged2e}
13574 \bidi@isloaded{rotating}
13575 \bidi@isloaded{tbls}
13576 \bidi@isloaded{tabulary}
13577 \bidi@isloaded{tocbasic}
13578 \bidi@isloaded{tocstyle}
13579 \bidi@isloaded{tocbibind}
13580 \bidi@isloaded{fontspec}
13581 \bidi@isloaded{arabxetex}
13582 \bidi@isloaded{polyglossia}
13583 \bidi@isloaded{fancyvrb}
13584 \AtBeginDocument{
13585   \if@bidi@amsmathloaded@ \else
13586     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
13587   \fi%
13588   \if@bidi@amstextloaded@ \else
13589     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}{}]
13590   \fi%
13591   \if@bidi@amsthmloaded@ \else
13592     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package}{}]
13593   \fi%
13594   \if@bidi@animateloaded@ \else
13595     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package}{}]
13596   \fi%
13597   \if@bidi@breqnloaded@ \else
13598     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package}{}]
13599   \fi%
13600   \if@bidi@calsloaded@ \else
13601     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package}{}]
13602   \fi%
13603   \if@bidi@captionloaded@ \else
13604     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package}{}]
13605   \fi%
13606   \if@bidi@croploaded@ \else
13607     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package}{}]
13608   \fi%
13609   \if@bidi@colorloaded@ \else
13610     \ifpackageloaded{hyperref}{}{}%
13611     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package}{}]
13612   \fi%
13613   \if@bidi@cutwinloaded@ \else
13614     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package}{}]
13615   \fi%
13616   \if@bidi@cutedloaded@ \else
13617     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package}{}]
13618   \fi%
13619   \if@bidi@dblfnoteloaded@ \else
13620     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package}{}]

```



```

13621 \fi%
13622 \if@bidi@diagboxloaded@else
13623   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi package}]
13624 \fi%
13625 \if@bidi@xcolorloaded@else
13626   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package}]
13627 \fi%
13628 \if@bidi@colortblloaded@else
13629   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package}]
13630 \fi%
13631 \if@bidi@floatloaded@else
13632   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package}]
13633 \fi%
13634 \if@bidi@floatrowloaded@else
13635   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package}]
13636 \fi%
13637 \if@bidi@flowframloaded@else
13638   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package}]
13639 \fi%
13640 \if@bidi@framedloaded@else
13641   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package}]
13642 \fi%
13643 \if@bidi@ftnrightloaded@else
13644   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package}]
13645 \fi%
13646 \if@bidi@xltxtraloaded@else
13647   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi package}]
13648 \fi%
13649 \if@bidi@xunicodeloaded@else
13650   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package}]
13651 \fi%
13652 \if@bidi@wrapfigloaded@else
13653   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package}]
13654 \fi%
13655 \if@bidi@graphicxloaded@else
13656   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package}]
13657 \fi%
13658 \if@bidi@geometryloaded@else
13659   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package}]
13660 \fi%
13661 \if@bidi@hvfloatloaded@else
13662   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package}]
13663 \fi%
13664 \if@bidi@mdframedloaded@else
13665   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package}]
13666 \fi%
13667 \if@bidi@midfloatloaded@else
13668   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package}]
13669 \fi%
13670 \if@bidi@ntheoremloaded@else

```



```

13671 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi packa
13672 \fi%
13673 \if@bidi@hyperrefloaded@else
13674 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13675 \fi%
13676 \if@bidi@fancyboxloaded@else
13677 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13678 \fi%
13679 \if@bidi@fancyhdrloaded@else
13680 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13681 \fi%
13682 \if@bidi@draftwatermarkloaded@else
13683 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bid
13684 \fi%
13685 \if@bidi@empheqloaded@else
13686 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package
13687 \fi%
13688 \if@bidi@overpicloaded@else
13689 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packag
13690 \fi%
13691 \if@bidi@pdfpagesloaded@else
13692 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi packa
13693 \fi%
13694 \if@bidi@lettrineloaded@else
13695 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi packa
13696 \fi%
13697 \if@bidi@linenoloaded@else
13698 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi package
13699 \fi%
13700 \if@bidi@listingsloaded@else
13701 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi packa
13702 \fi%
13703 \csname if@bidi@media9loaded@endcsname\else
13704 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package
13705 \fi%
13706 \if@bidi@pstricksloaded@else
13707 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi packa
13708 \fi%
13709 \if@bidi@pgfloaded@else
13710 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. F
13711 \fi%
13712 \if@bidi@picinparloaded@else
13713 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi packa
13714 \fi%
13715 \if@bidi@quotchaploaded@else
13716 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi packa
13717 \fi%
13718 \if@bidi@tikzloaded@else
13719 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.
13720 \fi%

```



```

13721 \if@bidi@titlesecloaded@else
13722   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi packa
13723 \fi%
13724 \if@bidi@titletocloaded@else
13725   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi packa
13726 \fi%
13727 \if@bidi@arrayloaded@else
13728   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package.
13729 \fi%
13730 \if@bidi@stabularloaded@else
13731   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi packa
13732 \fi%
13733 \if@bidi@soulloaded@else
13734   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.
13735 \fi%
13736 \if@bidi@subfigloaded@else
13737   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package.
13738 \fi%
13739 \if@bidi@subfigureloaded@else
13740   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pack
13741 \fi%
13742 \if@bidi@supertabularloaded@else
13743   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi p
13744 \fi%
13745 \if@bidi@xtabloaded@else
13746   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
13747 \fi%
13748 \if@bidi@longtableloaded@else
13749   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13750 \fi%
13751 \if@bidi@arydshlnloaded@else
13752   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi packa
13753 \fi%
13754 \if@bidi@multicolloaded@else
13755   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13756 \fi%
13757 \if@bidi@multienumloaded@else
13758   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13759 \fi%
13760 \if@bidi@minitocloaded@else
13761   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
13762 \fi%
13763 \if@bidi@natbibloaded@else
13764   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package
13765 \fi%
13766 \if@bidi@newfloatloaded@else
13767   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13768 \fi%
13769 \csname if@bidi@ragged2eloaded@endcsname\else
13770   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa

```



```

13771 \fi%
13772 \if@bidi@rotatingloaded@else
13773 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13774 \fi%
13775 \if@bidi@tblsloaded@else
13776 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package
13777 \fi%
13778 \if@bidi@tabularyloaded@else
13779 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13780 \fi%
13781 \if@bidi@tocbasicloaded@else
13782 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13783 \fi%
13784 \if@bidi@tocstyleloaded@else
13785 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi packa
13786 \fi%
13787 \if@bidi@tocbibindloaded@else
13788 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13789 \fi%
13790 \if@bidi@fontspecloaded@else
13791 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi packa
13792 \fi%
13793 \if@bidi@arabxetexloaded@else
13794 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13795 \fi%
13796 \if@bidi@polyglossialoaded@else
13797 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi p
13798 \fi%
13799 \if@bidi@fancyvrbloaded@else
13800 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi packa
13801 \fi%
13802 }

```

## 78 File longtable-xetex-bidi.def

```

13803 \ProvidesFile{longtable-xetex-bidi.def}[2019/01/19 v0.5 bidi adaptations for longtable package]
13804 \def\LT@array[#1]#2{%
13805 \refstepcounter{table}\stepcounter{LT@tables}%
13806 \if l#1%
13807 \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
13808 \else\if r#1%
13809 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13810 \else\if c#1%
13811 \LTleft\fill \LTright\fill
13812 \fi\fi\fi
13813 \let\LT@mcol\multicolumn
13814 \let\LT@@tabarray\@tabarray
13815 \let\LT@@hl\hline
13816 \def\@tabarray{%
13817 \let\hline\LT@@hl

```



```

13818 \LT@tabarray}%
13819 \let\\LT@tabularcr\let\tabularnewline\\%
13820 \def\newpage{\noalign{\break}}%
13821 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13822 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
13823 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13824 \@tempdima\ht\strutbox
13825 \let\@endpbox\LT@endpbox
13826 \ifx\extrarowheight\@undefined
13827 \let\@acol\@tabacol
13828 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13829 \def\@startpbox{\vtop\LT@startpbox}%
13830 \let\@startpbox\@startpbox
13831 \let\@endpbox\@endpbox
13832 \let\LT@LL@FM@cr\@tabularcr
13833 \else
13834 \advance\@tempdima\extrarowheight
13835 \col@sep\@tabcolsep
13836 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13837 \fi
13838 \setbox\@arstrutbox\hbox{\vrule
13839 \@height \arraystretch \@tempdima
13840 \@depth \arraystretch \dp \strutbox
13841 \@width \z@}%
13842 \let\@sharp#\let\protect\relax
13843 \begingroup
13844 \mkpream{#2}%
13845 \xdef\LT@bchunk{%
13846 \global\advance\c@LT@chunks\@ne
13847 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13848 \LT@setprevdepth
13849 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13850 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13851 \endgroup
13852 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13853 \LT@make@row
13854 \m@th\let\par\@empty
13855 \everycr{}\lineskip\z@\baselineskip\z@
13856 \LT@bchunk}
13857 \def\LT@makecaption#1#2#3{%
13858 \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]{\LTcapwidth{%
13859 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13860 \ifdim\wd\@tempboxa>\hsize
13861 #1{#2: }#3%
13862 \else
13863 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13864 \fi
13865 \endgraf\vskip\baselineskip}}%
13866 \hss}}}
13867 \ifpackageloaded{caption}{%

```



```

13868 \renewcommand\LT@makecaption[3]{%
13869   \caption@LT@make{%
13870     \caption@settype*\LTcaptype
13871     \ifdim\LTcapwidth=4in \else
13872       \setcaptionwidth\LTcapwidth
13873     \fi
13874     \caption@setoptions{longtable}%
13875     \caption@setoptions{@longtable}%
13876     \caption@LT@setup
13877     \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13878     \caption@startrue#1\caption@starfalse
13879     \caption@prepare@stepcounter\LTcaptype{LT}%
13880     \caption@begin\LTcaptype
13881     \caption@normalsize
13882     \vskip-\ht\strutbox
13883     \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13884     \caption@@make{#2}{#3}\endgraf
13885     \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13886     \caption@end}}%
13887 }{}
13888 \def\LT@startpbox#1{%
13889   \bgroup\color@begingroup
13890   \let\@footnotetext\LT@p@ftntext
13891   \let\@LTrfootnotetext\LT@p@LTrftntext
13892   \let\@RTLfootnotetext\LT@p@RTLftntext
13893   \setlength\hsize{#1}%
13894   \@arrayparboxrestore
13895   \vrule \@height \ht\@arstrutbox \@width \z@}
13896 \def\LT@p@LTrftntext#1{%
13897   \edef\@tempa{\the\LT@p@ftn\noexpand\LTrfootnotetext[\the\c@footnote]]}%
13898   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13899 \def\LT@p@RTLftntext#1{%
13900   \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13901   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13902
13903
13904 \def\LT@output{%
13905   \ifnum\outputpenalty <-\@Mi
13906     \ifnum\outputpenalty > -\LT@end@pen
13907       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13908     \else
13909       \setbox\z@\vbox{\unvbox\@cclv}%
13910       \ifdim \ht\LT@lastfoot>\ht\LT@foot
13911         \dimen@pagegoal
13912         \advance\dimen@-\ht\LT@lastfoot
13913         \ifdim\dimen@<\ht\z@
13914           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13915           \makecol
13916           \outputpage
13917           \setbox\z@\vbox{\box\LT@head}%

```



```

13918     \fi
13919     \fi
13920     \global\@colroom\@colht
13921     \global\vsizel\@colht
13922     \vbox
13923     {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13924     \fi
13925 \else
13926     \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13927     \makecol
13928     \@outputpage
13929     \global\vsizel\@colroom
13930     \copy\LT@head\nobreak
13931 \fi}

```

## 79 File mathtools-xetex-bidi.def

```

13932 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13933 \MHInternalSyntaxOn
13934 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13935   \@namedef{MT_tagform_#1:n}##1
13936   {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i
13937 }
13938 \renewtagform{default}{\{()\}}
13939 \MHInternalSyntaxOff

```

## 80 File mdframed-xetex-bidi.def

```

13940 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13941 \newif\if@bidi@mdf@RTL
13942 \def\mdf@lrbox#1{%
13943   \mdf@patchamsthm\patch amsthm
13944   \if@RTL\@bidi@mdf@RTLtrue\fi%
13945   \@RTLfalse%
13946   \setbox#1\vbox\bgroup%
13947   \color@begingroup%
13948   \if@bidi@mdf@RTL\@RTLtrue\fi%
13949   \mdf@horizontalmargin@equation%
13950   \columnwidth=\hsize%
13951   \textwidth=\hsize%
13952   \let\if@nobreak\iffalse%
13953   \let\if@noskipsec\iffalse%
13954   \let\par\@par%
13955   \let\-\@dischph%
13956   \let'\@acci\let\`@accii\let\=@acciii%
13957   \parindent\z@ \parskip\z@skip%
13958   \linewidth\hsize%
13959   \@totalleftmargin\z@%
13960   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13961   \parfillskip\@flushglue \lineskip\normallineskip%

```





```

13962     \baselineskip\normalbaselineskip%
13963 %%    \sloppy%
13964     \let\\\@normalcr%
13965     \mdf@par@local%New feature to restore parskip/parindent local in save box
13966     \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13967     \@afterindentfalse%
13968     %\@afterheading%
13969 }
13970 \renewrobustcmd\mdfframedtitleenv[1]{%
13971     \mdf@lrbox{\mdf@frametitlebox}%
13972     \mdf@frametitlealignment%
13973     \leavevmode{\color{\mdf@frametitlefontcolor}%
13974         \normalfont\mdf@frametitlefont{#1}
13975         \ifbool{mdf@ignorerelatdescenders}%
13976             {%
13977                 \par\strut\par
13978                 \unskip\unskip\setbox0=\lastbox
13979                 \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13980             }{}}%
13981     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
13982     \endmdf@lrbox\relax%
13983     \mdf@ignorevbadness%
13984     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13985     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13986     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13987     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13988     \mdfframetitleboxtotalheight=\dimexpr
13989         \ht\mdf@frametitlebox
13990         +\dp\mdf@frametitlebox%
13991         +\mdf@frametitleaboveskip@length
13992         +\mdf@frametitlebelowskip@length
13993         \relax%
13994 }
13995
13996 \renewrobustcmd*\mdf@footnoteoutput{%
13997     \ifvoid\@mpfootins\else%
13998         \nobreak%
13999         \vskip\mdf@footnotedistance@length%
14000         \normalcolor%
14001         \bidi@mpfootnoterule%
14002         \unvbox\@mpfootins%
14003     \fi%
14004 }
14005
14006
14007 \renewrobustcmd*\mdf@footnoteinput{%
14008     \def\@mpfn{mpfootnote}%
14009     \def\thempfn{\thempfootnote}%
14010     \c@mpfootnote\z@%
14011     \let\@footnotetext\@mpfootnotetext%

```



```

14012 \let\@LTRfootnotetext\@mpLTRfootnotetext%
14013 \let\@RTLfootnotetext\@mpRTLfootnotetext%
14014 }

```

## 81 File bidi-media9.sty

```

14015 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
14016 {bidi fixes for media9 package for the XeTeX engine}
14017
14018 \keys_define:nn{media9/mbtn}{
14019   draft .code:n = {},
14020   final .code:n = {},
14021
14022   tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
14023   tooltip .value_required:n = {true},
14024
14025   overface .code:n = {
14026     \sbox\l_mix_poster_box{
14027       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
14028     \mix_pdfxform:n{\l_mix_poster_box}
14029     \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
14030   },
14031   overface .value_required:n = {true},
14032
14033   downface .code:n = {
14034     \sbox\l_mix_poster_box{
14035       \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
14036     \mix_pdfxform:n{\l_mix_poster_box}
14037     \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
14038   },
14039   downface .value_required:n = {true},
14040
14041   3Dgotoview .code:n = {
14042     \tl_set:Nx\l_tmpa_tl{#1} %extract ref
14043     \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl
14044     \tl_trim_spaces:N\l_tmpa_tl
14045     \tl_if_exist:CTF{ann@\l_tmpa_tl}{
14046       \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
14047         \tl_set:Nx\l_tmpb_tl{#1} %extract idx
14048         \regex_replace_once:nnN{([~:~]+:?)}{\1}\l_tmpb_tl
14049         \tl_trim_spaces:N\l_tmpb_tl
14050         \tl_if_blank:VF\l_tmpb_tl{
14051           \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
14052             \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl
14053           }{
14054             \regex_match:nVTF{^~d+$}\l_tmpb_tl{
14055               \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl
14056             }{
14057               \regex_replace_once:nnN{^~(\s*)}{\1}\l_tmpb_tl
14058               \regex_replace_once:nnN{(\s*)$}{\1}\l_tmpb_tl

```



```

14059         \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
14060     }
14061 }
14062 }
14063 \mix_pdfobj:nnn{}{dict}{
14064     /S/JavaScript/JS~(
14065         if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
14066         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
14067             annotRM['\l_tmpa_tl']=
14068                 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
14069         }
14070         annotRM['\l_tmpa_tl'].activated=true;
14071     )
14072     \tl_if_blank:VF\l_tmpb_tl{
14073         /Next~<<
14074         /S/GoTo3DView
14075         /TA~\tl_use:c{ann@\l_tmpa_tl}
14076         /V\l_mix_vidx_tl
14077     >>
14078     }
14079 }
14080 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
14081 }
14082 }{
14083     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
14084     \cs_if_exist:NF\g_mix_refundefwarned_tl{
14085         \tl_new:N\g_mix_refundefwarned_tl
14086         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
14087     }
14088 }
14089 },
14090 3Dgotoview .value_required:n = {true},
14091
14092 mediacommand .code:n = {
14093     \tl_set:Nx\l_tmpa_tl{#1}
14094     \regex_replace_once:nnN{([~:~]+)??.*}{\1}\l_tmpa_tl %extract ref
14095     \tl_trim_spaces:N\l_tmpa_tl
14096     \tl_if_exist:CTF{ann@\l_tmpa_tl}{
14097         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
14098             \tl_set:Nx\l_tmpb_tl{#1}
14099             \regex_replace_once:nnN{[~:~]+~?}{\1}\l_tmpb_tl
14100             \tl_trim_spaces:N\l_tmpb_tl
14101             \regex_replace_all:nnN{^~{|\}$}{\1}\l_tmpb_tl
14102             \tl_set:Nx\l_mix_cmd_tl{
14103                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
14104             \tl_trim_spaces:N\l_mix_cmd_tl
14105             \tl_set:Nx\l_mix_arg_tl{
14106                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
14107             \tl_trim_spaces:N\l_mix_arg_tl
14108             \mix_pdfobj:nnn{}{dict}{

```



```

14109         /S/JavaScript/JS~(
14110             if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14111             if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
14112                 annotRM['\l_tmpa_tl']=
14113                     this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
14114             }
14115             annotRM['\l_tmpa_tl'].activated=true;
14116         )
14117         \tl_if_blank:VF\l_mix_cmd_tl{
14118             /Next~<<
14119                 /S/RichMediaExecute
14120                 /TA~\tl_use:c{ann@\l_tmpa_tl}
14121                 /TI~\tl_use:c{main@\l_tmpa_tl}
14122                 /CMD~<<
14123                     /C~(\l_mix_cmd_tl)
14124                     \tl_if_blank:VF\l_mix_arg_tl{
14125                         /A~[\l_mix_arg_tl]
14126                     }
14127                 >>
14128             >>
14129         }
14130     }
14131     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
14132 }
14133 }{
14134     \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
14135     \cs_if_exist:NF\g_mix_refundefwarned_tl{
14136         \tl_new:N\g_mix_refundefwarned_tl
14137         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
14138     }
14139 }
14140 },
14141 mediacommand .value_required:n = {true},
14142
14143 jsaction .code:n = {
14144     \tl_set:Nx\l_tmpa_tl{#1}
14145     \regex_match:nVTF{^[^{:}]++.*$}\l_tmpa_tl{
14146         \regex_replace_once:nnN{([~:])+}:??.*}{\1}\l_tmpa_tl %extract ref
14147         \tl_trim_spaces:N\l_tmpa_tl
14148     }{\tl_clear:N\l_tmpa_tl}
14149     \tl_set:Nx\l_tmpb_tl{#1}
14150     \tl_if_blank:VF\l_tmpa_tl{
14151         \tl_if_exist:cF{ann@\l_tmpa_tl}{
14152             \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
14153             \cs_if_exist:NF\g_mix_refundefwarned_tl{
14154                 \tl_new:N\g_mix_refundefwarned_tl
14155                 \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
14156             }
14157         }
14158         \regex_replace_once:nnN{[~:]+\~:}{\1}\l_tmpb_tl

```



```

14159 }
14160 \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
14161 \tl_trim_spaces:N\l_tmpb_tl
14162 \tl_if_blank:VF\l_tmpb_tl{
14163   \mix_pdfobj:nnn{}{dict}{
14164     /S/JavaScript/JS~(
14165       try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
14166   \bool_lazy_and:nnT{
14167     \tl_if_exist_p:c{ann@\l_tmpa_tl}
14168   }{
14169     !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
14170   }{
14171     \mix_pdfobj:nnn{}{dict}{
14172       /S/JavaScript/JS~(
14173         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14174         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
14175           annotRM['\l_tmpa_tl']=
14176             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
14177         }
14178         annotRM['\l_tmpa_tl'].activated=true;
14179       )
14180       \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
14181     }
14182   }
14183   \bool_if:nT{
14184     \bool_lazy_and_p:nn{
14185       \tl_if_exist_p:c{ann@\l_tmpa_tl}
14186     }{
14187       !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
14188     }
14189     || !\tl_if_blank_p:V\l_tmpb_tl
14190   }{
14191     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
14192   }
14193 },
14194 jsaction .value_required:n = {true},
14195
14196 unknown .code:n = {
14197   \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
14198 }
14199 }
14200
14201 \RenewDocumentCommand\includemedia{0{}}mm}{%#1 options, #2 text/image #3 media file
14202   \mix_urisend:
14203   \group_begin:
14204   \mix_beginLTR:
14205   \leavevmode
14206   %empty stream as appearance dummy
14207   \cs_if_exist:NF\g_mix_appearance_tl{
14208     \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}}

```



```

14209     \mix_pdfxform:n{\l_mix_poster_box}
14210     \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
14211 }
14212 \mix_reset:
14213 \mix_urbegin: %treat URI characters correctly
14214 \keys_set:nn{media9/user}{#1}
14215 \mix_uriend:
14216 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
14217 \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
14218 \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
14219 \tl_greplace_all:Nnn\g_mix_flashvars_tl{=~}{=}
14220 \tl_gtrim_spaces:N\g_mix_flashvars_tl
14221
14222 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
14223
14224 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
14225 %\hbox_set:Nn\l_mix_poster_box{#2}
14226 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14227 \mix_scale:n{\l_mix_poster_box}
14228 \bool_if:nT{
14229     \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
14230     \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
14231 }{
14232     \tl_gset:Nn\g_mix_usrpbtn_tl{none}
14233 }
14234 \bool_if:NTF\g_mix_usrdraft_bool{
14235     \tl_if_empty:NF\g_mix_usrlabel_tl{
14236         \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
14237     }
14238     \tl_if_blank:oTF{#2}{
14239         \mix_urbegin: %treat URI characters correctly
14240         \mix_draftbox:n{\tl_to_str:n{#3}}
14241         \mix_uriend:
14242     }{
14243         \hbox_to_wd:nn{\g_mix_wd_tl}{
14244             \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
14245             \box_use:N\l_mix_poster_box\hss
14246         }
14247     }
14248 }{
14249     \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
14250         %attach script that switches off play button overlay upon activation
14251         \mix_pdfobj:nnn{}{stream}{
14252             {}{
14253                 var~ocgs=host.getOCGs(host.pageNum);
14254                 for(var~i=0;i<ocgs.length;i++){
14255                     if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14256                         ocgs[i].state=false;
14257                     }
14258                 }
14259             }
14260         }
14261     }

```



```

14259     }
14260   }
14261   \mix_pdfobj:nnn{}{dict}{
14262     /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
14263   }
14264   \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
14265   \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
14266   %enforce plain playbutton overlay for XeTeX
14267   \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
14268 }
14269 %embed main asset
14270 \mix_uribegin:
14271 \mix_embedasset:n{#3}
14272 \bool_if:nTF{
14273   \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
14274 }{
14275   \bool_gset_true:N\g_mix_iiid_bool
14276   \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
14277 }{
14278   \str_case_x:nnF{\l_mix_base_tl}{
14279     {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14280     {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14281     {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14282     {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14283     {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14284   }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
14285 }
14286 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
14287 \mix_uriend:
14288 %secondary assets (added by addresource)
14289 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
14290 \seq_map_inline:Nn\g_mix_script_seq{
14291   \mix_embedasset:n{##1}
14292   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
14293 }
14294 %attach 3D calculation script
14295 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
14296   \mix_embedasset:n{3Dmenu.js}
14297   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
14298 }
14299 %create 3D views from file (option 3Dviews)
14300 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
14301   \tl_set:Nn\l_mix_level_tl{c_minus_one}
14302   \int_zero:N\l_mix_viewcnt_int
14303   \int_zero:N\l_mix_lineno_int
14304
14305   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
14306   \ior_map_inline:Nn\l_mix_vfile_stream{
14307     \int_incr:N\l_mix_lineno_int
14308     \keys_set:nn{media9/views}{##1} %process input line

```



```

14309     }
14310     \ior_close:N\l_mix_vfile_stream
14311 }
14312 \bool_if:nT{ %create default 3D view if required
14313   \g_mix_iiid_bool &&
14314   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
14315 }{
14316   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
14317   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
14318   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
14319   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
14320   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
14321   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
14322   \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
14323
14324   \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
14325   \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
14326   \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
14327   \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
14328
14329   \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
14330   \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
14331   \tl_clear:N\l_mix_naarray_tl
14332
14333   \bool_if:NF\l_mix_ciiw_bool{
14334     \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
14335     \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
14336   }
14337
14338   \tl_clear:N\l_mix_naarray_tl
14339   \tl_clear:N\l_mix_saarray_tl
14340   \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
14341
14342   \mix_view:n{Default}
14343   \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
14344
14345 }
14346 \mix_pdfobj:nnn{}{dict}{
14347   /Type/RichMediaInstance
14348   /Subtype/\g_mix_mainassetsub_tl
14349   /Asset~\g_mix_mainasset_tl
14350   \bool_if:NF\g_mix_iiid_bool{
14351     /Params~<<
14352       /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
14353         /Foreground
14354       }{
14355         /Background
14356       }
14357       \tl_if_blank:VF\g_mix_flashvars_tl{
14358         /FlashVars~(\g_mix_flashvars_tl)

```





```

14359     }
14360     >>
14361   }
14362 }
14363 \tl_if_empty:NF\g_mix_usrlabel_tl{
14364   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
14365 }
14366 \mix_pdfobj:nnn{}{dict}{
14367   /Type/RichMediaConfiguration
14368   /Subtype/\g_mix_mainassetsub_tl
14369   /Instances~[\mix_pdflastobj:]
14370 }
14371 \mix_pdfobj:nnn{}{dict}{
14372   /Type/RichMediaContent
14373   /Assets~<</Names~[\g_mix_assets_tl]>>
14374   /Configurations~[\mix_pdflastobj:]
14375   \bool_if:nT{
14376     \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14377   }{
14378     /Views~[\l_mix_iiidviewarray_tl]
14379   }
14380 }
14381 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14382 \bool_if:nT{
14383   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
14384 }{
14385   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14386 }
14387 %determine floating window size
14388 \bool_if:NT\g_mix_opt_windowed_bool{
14389   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14390 }
14391 \mix_pdfobj:nnn{}{dict}{
14392   /Activation~<<
14393   /Condition\g_mix_act_tl
14394   \bool_if:nT{
14395     \g_mix_iiid_bool &&
14396     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14397   }{%seems to work only with 3D content
14398     /Animation~<<
14399     /Subtype/\g_mix_playtpe_tl
14400     /PlayCount~\g_mix_playcnt_tl
14401     /Speed~\g_mix_playspd_tl
14402     >>
14403   }
14404   \bool_if:nT{
14405     \g_mix_iiid_bool && (
14406       \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14407     )
14408   }{/View~\l_mix_dfltview_tl}

```



```

14409 /Presentation~<<
14410 /Transparent~\g_mix_transp_tl
14411 \bool_if:NTF\g_mix_opt_windowed_bool{
14412 /Style/Windowed
14413 /Window~<<
14414 /Width~<</Default~\tl_mix_fltd>>
14415 /Height~<</Default~\tl_mix_flht>>
14416 /Position~<<
14417 /HOffset~0/VOffset~0
14418 \str_case:x:nnF{\g_mix_winpos_tl}{
14419 {tl}{/VAlign/Near/HAlign/Near}
14420 {cl}{/VAlign/Center/HAlign/Near}
14421 {bl}{/VAlign/Far/HAlign/Near}
14422 {bc}{/VAlign/Far/HAlign/Center}
14423 {br}{/VAlign/Far/HAlign/Far}
14424 {cr}{/VAlign/Center/HAlign/Far}
14425 {tr}{/VAlign/Near/HAlign/Far}
14426 {tc}{/VAlign/Near/HAlign/Center}
14427 }{/HAlign/Center/VAlign/Center}
14428 >>
14429 >>
14430 }{
14431 /Style/Embedded
14432 }
14433 \bool_if:NTF\g_mix_iiid_bool{
14434 /Toolbar~\g_mix_tools_tl
14435 /NavigationPane~\g_mix_nav_tl
14436 }{
14437 /PassContextClick~\g_mix_contextclick_tl
14438 }
14439 >>
14440 \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14441 >>
14442 /Deactivation~<</Condition\g_mix_deact_tl>>
14443 }
14444 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
14445 \tl_if_empty:NF\g_mix_usrlabel_tl{
14446 \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14447 }
14448 % #1:width, #2:height, #3:depth, #4:content (key-value)
14449 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14450 /Subtype/RichMedia
14451 /F~4
14452 /BS~<</W~0/S/S>>
14453 /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14454 /NM~(\g_mix_label_tl)
14455 /AP~<</N~\g_mix_appearance_tl>>
14456 /RichMediaSettings~\l_mix_settings_tl
14457 /RichMediaContent~\l_mix_content_tl
14458 }

```



```

14459 \tl_if_empty:NF\g_mix_usrlabel_tl{
14460   \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14461   \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14462     \noexpand\the\g@mix@page@int}
14463 }
14464 \mix_pdfobj:nnn{}{dict}{
14465   /S/JavaScript/JS~(
14466     try{
14467       if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14468       if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14469         annotRM['\g_mix_label_tl']=
14470           this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14471       }
14472       \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14473         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14474           var~ocgs=this.getOCGs(this.pageNum);
14475           for(var~i=0;i<ocgs.length;i++){
14476             if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14477               var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14478             }
14479           }
14480         }
14481         if(
14482           !annotRM['\g_mix_label_tl'].activated&&(
14483             app.viewerType=='Reader' ||
14484             app.viewerType=='Exchange' ||
14485             app.viewerType=='Exchange-Pro'
14486           )&&app.viewerVersion>=9
14487         ){
14488           ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14489         }
14490       }
14491     }catch(e){}
14492     this.dirty=false;
14493   )
14494 }
14495 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14496   /Subtype/Widget
14497   /FT/Btn/Ff~65537/F~2
14498   /BS~<</W~0>>
14499   /T~(fd@\g_mix_label_tl)
14500   /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14501 }
14502 \mix_appendtofields:n{\mix_pdflastann:}
14503 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14504 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14505   \hbox_to_wd:nn{\g_mix_wd_tl}{
14506     \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14507   }
14508 }{%insert play button overlay

```



```

14509 \mix_insert_btnocg: %create OCG
14510 \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14511 \group_begin:
14512 \cs_if_exist:NT\textdir{\textdir TLT}
14513 \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14514 \box_move_down:nn{\g_mix_dp_tl}{
14515 \hbox_to_wd:nn{\g_mix_wd_tl}{
14516 \vbox_to_ht:nn{\g_mix_tt_tl}{
14517 \vss
14518 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14519 \box_use:N\l_mix_pbtn_box
14520 \ocgbase_oc_emc:
14521 }
14522 }
14523 }
14524 \group_end:
14525 }
14526 \int_gincr:N\g_mix_rmcnt_int
14527 }
14528 \mix_endLTR:
14529 \group_end:
14530 }
14531 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14532 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14533
14534 \RenewDocumentCommand\mediabutton{0{ }m}{%#1 options, #2 normal button text
14535 \mix_uribegin:
14536 \group_begin:
14537 \mix_beginLTR:
14538 \leavevmode
14539 %reset various variables
14540 \tl_gclear:N\g_mix_overbtn_tl
14541 \tl_gclear:N\g_mix_downbtn_tl
14542 \tl_gclear:N\g_mix_btnactions_tl
14543 \tl_gclear:N\g_mix_tooltip_tl
14544 %process options
14545 \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14546 \mix_uribegin:%treat URI characters correctly
14547 \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14548 \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14549 \mix_uribegin:
14550 %normal button appearance
14551 %\hbox_set:Nn\l_mix_poster_box{#2}
14552 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14553 \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14554 \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
14555 \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14556 \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14557 \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
14558 \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}

```



```

14559 \mix_pdfxform:n{\l_mix_poster_box}
14560 \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14561 %insert widget annotation
14562 \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14563   /Subtype/Widget
14564   /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14565   \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14566   /FT/Btn/Ff~65536
14567   \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14568   /AP~<<
14569   /N~\g_mix_normalbtn_tl
14570   \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14571   \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14572   >>
14573   /MK~<<
14574   /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14575   /I~\g_mix_normalbtn_tl
14576   \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14577   \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14578   >>
14579   /A~<<
14580   /S/JavaScript/JS~(app.focusRect=false;)
14581   %sequence of actions to perform
14582   \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14583   >>
14584 }
14585 \mix_appendtofields:n{\mix_pdflastann:}
14586 \hbox_to_wd:nn{\width}{
14587   \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14588 }
14589 \int_gincr:N\g_mix_mbtncnt_int
14590 }
14591 \mix_endLTR:
14592 \group_end:
14593 }
14594 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14595 \tl_set:Nn\mediabutton{\mix_urbegin:\l_mix_mediabutton_tl}
14596
14597

```

## 82 File memoir-xetex-bidi.def

```

14598 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for Xe
14599 \renewcommand{\keepthetitle}{%
14600   \@bsmtitleempty
14601   \global\let\thanks\relax
14602   \global\let\LTRthanks\relax
14603   \global\let\RTLthanks\relax
14604   \global\let\and\relax
14605   \global\let\andnext\relax

```



```

14606 \global\let\@thanks\@empty
14607 \global\let\@title\@empty
14608 \global\let\@author\@empty
14609 \global\let\@date\@empty}
14610 \renewcommand{\maketitle}{\par
14611 \begingroup
14612 \@bsmarkseries
14613 \def\@makefnmark{\@textsuperscript{%
14614 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
14615 \long\def\@makefntext##1{\makethanksmark ##1}
14616 \if@twocolumn
14617 \ifnum \col@number=\@ne
14618 \@maketitle
14619 \else
14620 \twocolumn[\@maketitle]%
14621 \fi
14622 \else
14623 \ifdim\pagetotal>\z@
14624 \newpage
14625 \fi
14626 \global\@topnum\z@
14627 \@maketitle
14628 \fi
14629 \thispagestyle{title}\@thanks
14630 \endgroup
14631 \bscontmark % \setcounter{footnote}{0}%
14632 }
14633 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
14634 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
14635 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
14636 \renewcommand*{\memRTLvrighskip}{\if@RTL\vleftskip\else\vrightskip\fi}
14637 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14638 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14639 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14640 \renewcommand*{\thesubsection}{\%
14641 \thesection\@SepMark\@arabic\c@subsection}
14642 \renewcommand*{\thesubsubsection}{\%
14643 \thesubsection\@SepMark\@arabic\c@subsubsection}
14644 \renewcommand*{\theparagraph}{\%
14645 \thesubsubsection\@SepMark\@arabic\c@paragraph}
14646 \renewcommand*{\thesubparagraph}{\%
14647 \theparagraph\@SepMark\@arabic\c@subparagraph}
14648 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14649 \renewcommand{\theequation}{\%
14650 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14651 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14652 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14653 \ifartopt
14654 \chapterstyle{article}
14655 \counterwithout{figure}{chapter}

```



```

14656 \counterwithout{table}{chapter}
14657 \counterwithout{footnote}{chapter}
14658 \counterwithout{equation}{chapter}
14659 \renewcommand{\chaptername}{%
14660 \renewcommand{\maketitlehookb}{%
14661 \vskip -1.5\topsep\vskip -1.5\partopsep}
14662 \renewcommand{\maketitlehookc}{%
14663 \vskip -1.5\topsep\vskip -1.5\partopsep}
14664 \fi
14665 \long\def\@makecaption#1#2{\let\@memtempa\relax
14666 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14667 \else \def\@memtempa{\vbox to\topskip{}}\fi
14668 \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
14669 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
14670 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14671 \let\footnote\@contfnote
14672 \let\footnotemark\@contfmark
14673 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14674 \if@contcw
14675 \centering
14676 \parbox{\@contcwidth}{%
14677 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14678 \fi
14679 \ifdim\wd\@tempboxa<\linewidth
14680 \@contpre
14681 {\@contnfont #1\@contdelim}\@memtempa
14682 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14683 \else
14684 \if@conthang
14685 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14686 \@contpre%
14687 {\@contcstyle\hangindent=\wd\@tempboxa
14688 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14689 \else
14690 \if@contindent
14691 \@contpre%
14692 {\@contnfont #1\@contdelim}\@memtempa
14693 {\@contcstyle\hangindent=\@contindw
14694 \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14695 \else
14696 \@contpre%
14697 {\@contnfont #1\@contdelim}\@memtempa
14698 {\@contcstyle \@conttfont #2\@contfinal\par}
14699 \fi
14700 \fi
14701 \fi
14702 \@contpost
14703 \if@contcw
14704 \par
14705 } % end of the \parbox

```



```

14706 \fi
14707 \vskip\belowcaptionskip}
14708 \@ifpackageloaded{caption}{%
14709 \AtBeginPackage{caption}{
14710 \ClassWarningNoLine{memoir}{%
14711 You are using the caption package with the memoir \MessageBreak
14712 class. This may cause unexpected or inconsistent \MessageBreak
14713 results if you use any of memoir's captioning facilities}
14714
14715 \long\def\@makecaption##1##2{%
14716 \vskip\abovecaptionskip
14717 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14718 \ifdim \wd\@tempboxa >\hsize
14719 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14720 \else
14721 \global \@minipagefalse
14722 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14723 \fi
14724 \vskip\belowcaptionskip}
14725
14726 \def\caption{%
14727 \ifx\@capytype\@undefined
14728 \latex@error{\noexpand\caption outside float}\@ehd
14729 \expandafter\@gobble
14730 \else
14731 \refstepcounter\@capytype
14732 \expandafter\@firstofone
14733 \fi
14734 {\@dblarg{\@caption\@capytype}}%
14735 }
14736
14737 \long\def\@caption##1[##2]##3{%
14738 \par
14739 \addcontentsline{\csname ext@##1\endcsname}{##1}%
14740 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
14741 \begingroup
14742 \@parboxrestore
14743 \if@minipage
14744 \@setminipage
14745 \fi
14746 \normalsize
14747 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14748 \endgroup}
14749 }}{}
14750 \renewenvironment{thebibliography}[1]{%
14751 \bibsection
14752 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14753 \bidi@thebibliography@font@hook%
14754 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```





## 83 File midfloat-xetex-bidi.def

```
14755 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14756 \def\RTL@outputdblcol{%
14757   \if@firstcolumn
14758     \global \@firstcolumnfalse
14759     \global\setbox\@leftcolumn\copy\@outputbox
14760     \splitmaxdepth\maxdimen
14761     \vbadness\maxdimen
14762     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14763     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14764     \toks@\expandafter{\topmark}%
14765     \xdef\@firstcoltopmark{\the\toks@}%
14766     \toks@\expandafter{\splitfirstmark}%
14767     \xdef\@firstcolfirstmark{\the\toks@}%
14768     \ifx\@firstcolfirstmark\@empty
14769       \global\let\@setmarks\relax
14770     \else
14771       \gdef\@setmarks{%
14772         \let\firstmark\@firstcolfirstmark
14773         \let\topmark\@firstcoltopmark}%
14774     \fi
14775     \global\c@colht\@colht\global\c@addvipersep\z@
14776     \ifnum\jua@sk>0
14777       \remove@strip\jua@sar
14778       \global\@colht\the\jua@pr
14779       \ifdim\right@cor>\z@
14780         \global\advance\@colht by\right@cor
14781       \fi
14782       \global\advance\@colht by\cor@height
14783       \global\cor@height=0pt
14784     \fi
14785     \global \setbox\@rightcolumn \vbox{%
14786   \else
14787     \ifdim\c@colht>\@colht
14788       \@tempdima\@colht
14789       \ifdim\@colht>\z@
14790         \global\setbox\@rightcolumn \vbox{%
14791           \unvbox\@rightcolumn
14792           \vbox to\@tempdima{%
14793             \vskip\c@addvipersep\unvbox\@outputbox}%
14794           \vskip\stripsep
14795           \vrule height\the\jua@ht width Opt depth Opt
14796           \vskip\stripsep
14797         }%
14798         \global\c@addvipersep\m@addvipersep
14799       \else
14800         \global\setbox\@rightcolumn \vbox{%
14801           \unvbox\@rightcolumn
14802           \vrule height\the\jua@ht width Opt depth Opt
```



```

14803             \vskip\stripsep
14804             }%
14805         \fi
14806         \ifnum\jua@sk>0
14807             \remove@strip\jua@sar
14808             \global\@colht\the\jua@pr
14809             \global\advance\@colht by -\ht\@rightcolumn
14810             \global\advance\@colht by\cor@height
14811             \global\cor@height=0pt
14812         \else
14813             \global\advance\c@colht by-\ht\@rightcolumn
14814             \global\@colht\c@colht
14815         \fi
14816     \else
14817     \global\@firstcolumntrue
14818     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14819         \unvbox\@rightcolumn
14820         \vskip\c@addvipersep
14821         \unvbox\@outputbox
14822     }%
14823     \setbox\@outputbox \vbox {%
14824         \hb@xt@\textwidth {%
14825             \hskip \columnwidth
14826             \hfil
14827             \vrule \@width\columnseprule
14828             \hfil
14829             \hb@xt@\columnwidth {%
14830                 \bidi@firstcolumn@status@write%
14831                 \box\@leftcolumn \hss}%
14832             \hskip-\textwidth
14833             \hb@xt@\columnwidth {%
14834                 \bidi@lastcolumn@status@write%
14835                 \box\@outputbox \hss}%
14836             \hskip\columnwidth
14837             \hskip\columnsep}%
14838         }%
14839     \@combinedblfloats
14840     \@setmarks
14841     \@outputpage
14842     \begingroup
14843         \@dblfloatplacement
14844         \@startdblcolumn
14845         \@whilesw\if@fcolmade \fi
14846         {\@outputpage
14847         \@startdblcolumn}%
14848     \endgroup
14849     \global\jua@sk=0\global\jua@sar={}
14850     \global\cor@height\z@\global\c@addvipersep\z@
14851     \fi
14852 \fi

```



```

14853 }
14854
14855
14856 \def\LTR@outputdblcol{%
14857   \if@firstcolumn
14858     \global \@firstcolumnfalse
14859     \global\setbox\@leftcolumn\copy\@outputbox
14860     \splitmaxdepth\maxdimen
14861     \vbadness\maxdimen
14862     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14863     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14864     \toks@\expandafter{\topmark}%
14865     \xdef\@firstcoltopmark{\the\toks@}%
14866     \toks@\expandafter{\splitfirstmark}%
14867     \xdef\@firstcolfirstmark{\the\toks@}%
14868     \ifx\@firstcolfirstmark\@empty
14869       \global\let\@setmarks\relax
14870     \else
14871       \gdef\@setmarks{%
14872         \let\firstmark\@firstcolfirstmark
14873         \let\topmark\@firstcoltopmark}%
14874     \fi
14875     \global\c@colht\@colht\global\c@advipersep\z@
14876     \ifnum\jua@sk>0
14877       \remove@strip\jua@sar
14878       \global\@colht\the\jua@pr
14879       \ifdim\right@cor>\z@
14880         \global\advance\@colht by\right@cor
14881       \fi
14882       \global\advance\@colht by\cor@height
14883       \global\cor@height=0pt
14884     \fi
14885     \global\setbox\@rightcolumn\vbox{%
14886   \else
14887     \ifdim\c@colht>\@colht
14888       \@tempdima\@colht
14889       \ifdim\@colht>\z@
14890         \global\setbox\@rightcolumn\vbox{%
14891           \unvbox\@rightcolumn
14892           \vbox to\@tempdima{%
14893             \vskip\c@advipersep\unvbox\@outputbox}%
14894           \vskip\stripsep
14895           \vrule height\the\jua@ht width Opt depth Opt
14896           \vskip\stripsep
14897         }%
14898         \global\c@advipersep\m@advipersep
14899       \else
14900         \global\setbox\@rightcolumn\vbox{%
14901           \unvbox\@rightcolumn
14902           \vrule height\the\jua@ht width Opt depth Opt

```



```

14903             \vskip\stripsep
14904             }%
14905         \fi
14906         \ifnum\jua@sk>0
14907             \remove@strip\jua@sar
14908             \global\@colht\the\jua@pr
14909             \global\advance\@colht by -\ht\@rightcolumn
14910             \global\advance\@colht by\cor@height
14911             \global\cor@height=0pt
14912         \else
14913             \global\advance\c@colht by-\ht\@rightcolumn
14914             \global\@colht\c@colht
14915         \fi
14916     \else
14917         \global\@firstcolumntrue
14918         \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14919             \unvbox\@rightcolumn
14920             \vskip\c@addvipersep
14921             \unvbox\@outputbox
14922             }%
14923         \setbox\@outputbox \vbox {%
14924             \hb@xt@\textwidth {%
14925                 \hb@xt@\columnwidth {%
14926                     \bidi@firstcolumn@status@write%
14927                     \box\@leftcolumn \hss}%
14928                 \hfil
14929                 \vrule \@width\columnseprule
14930                 \hfil
14931                 \hb@xt@\columnwidth {%
14932                     \bidi@lastcolumn@status@write%
14933                     \box\@outputbox \hss}%
14934                 }%
14935             }%
14936         \@combinedblfloats
14937         \@setmarks
14938         \@outputpage
14939         \begingroup
14940             \@dblfloatplacement
14941             \@startdblcolumn
14942             \@whiles\if@fcolmade \fi
14943                 {\@outputpage
14944                  \@startdblcolumn}%
14945         \endgroup
14946         \global\jua@sk=0\global\jua@sar={}
14947         \global\cor@height\z@\global\c@addvipersep\z@
14948     \fi
14949 \fi
14950 }
14951
14952

```



```

14953 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14954 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14955 \hsize\textwidth
14956 \parboxrestore
14957 \col@number \@ne
14958 \vrule height\topskip width0pt depth0pt
14959 }
14960
14961 \def\endstrip{%
14962 \egroup\egroup
14963 \if@firstcolumn
14964 \ifdim\pagetotal>\z@
14965 \vskip\stripsep
14966 \global\ht@strip\pagegoal
14967 \global\advance\ht@strip by-\pagetotal
14968 \global\advance\ht@strip by-\stripsep
14969 \global\advance\ht@strip by-\ht\@viper
14970 \global\advance\ht@strip by-\stripsep
14971 \global\juaht=\ht\@viper
14972 \else
14973 \global\ht@strip\z@
14974 \fi
14975 \ifdim\ht@strip>\z@
14976 \unvbox\@viper
14977 \vskip\stripsep
14978 \add@strip{\the\pagetotal}{\the\juaht}{\the\@tempdima}{\the\@tempdimb}%
14979 \global\advance\juahtsk by1
14980 \else
14981 \@latex@error{Strip needs more place!}\@ehc
14982 \if@vihproof
14983 \framebox[\columnwidth]{??? Strip ???}%
14984 \fi
14985 \fi
14986 \else
14987 \@latex@error{Strip is used only on left column!}\@ehc
14988 \if@vihproof
14989 \framebox[\columnwidth]{??? Strip ???}%
14990 \fi
14991 \fi
14992 }

```

## 84 File minitoc-xetex-bidi.def

```

14993 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14994 \def\@undottedtoctocline#1#2#3#4#5{%
14995 \ifnum #1>\c@tocdepth\relax \else
14996 \vskip \z@ plus.2\p@
14997 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg \
14998 \parindent #2\relax\@afterindenttrue
14999 \interlinepenalty\@M

```



```

15000 \leavevmode
15001 \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}}%
15002 \hskip -\if@RTL\rightskip\else\leftskip\fi
15003 #4\nobreak\hfill \nobreak
15004 \null\par}%
15005 \fi}
15006 \def\@Undottedtocline#1#2#3#4#5{%
15007 \ifnum #1>\c@tocdepth\relax \else
15008 \vskip \z@ \@plus.2\p@
15009 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
15010 \parindent #2\relax\@afterindenttrue
15011 \interlinepenalty\@M
15012 \leavevmode
15013 \@tempdima #3\relax
15014 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15015 {\coffefont #4}\nobreak \nobreak\null
15016 \par}%
15017 \fi}
15018 \def\@Undottedtoclinep#1#2#3#4#5{%
15019 \ifnum #1>\c@tocdepth\relax \else
15020 \vskip \z@ \@plus.2\p@
15021 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
15022 \parindent #2\relax\@afterindenttrue
15023 \interlinepenalty\@M
15024 \leavevmode
15025 \@tempdima #3\relax
15026 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
15027 {#4}\nobreak \hfill \nobreak\null
15028 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
15029 \par}%
15030 \fi}

```

## 85 File multicol-xetex-bidi.def

```

15031 \ProvidesFile{multicol-xetex-bidi.def}[2019/06/14 v1.2 bidi adaptations for multicol package]
15032 \def\page@sofar{%
15033 \process@cols\mult@rightbox
15034 {\ifvoid\count@
15035 \setbox\count@\hbox to\hsize{}}%
15036 \else
15037 \wd\count@\hsize
15038 \fi}%
15039 \count@\col@number \advance\count@\m@ne
15040 \mult@info\z@
15041 {Column spec: \the\full@width\space = indent
15042 + columns + sep =\MessageBreak
15043 \the\multicol@leftmargin\space
15044 + \the\col@number\space
15045 x \the\hsize\space
15046 + \the\count@\space

```



```

15047         x \the\columnsep
15048     }%
15049 \ifvmode\else\errmessage{Multicol Error}\fi
15050 \nointerlineskip
15051 \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
15052 \moveright\multicol@leftmargin
15053 \hbox to\full@width{%
15054     \bidi@multicol@align@columns
15055     \rlap{\phantom p}%
15056 }%
15057 \prevdepth\z@
15058 \kern-\dimen\tw@
15059 \ifdim\dimen\tw@ > \mc@gridwarn
15060 \PackageWarning{multicol}%
15061 {Very deep columns!\MessageBreak
15062 Grid alignment might be broken}%
15063 \fi
15064 }
15065 \def\LTR@column@boxes{%
15066     \process@cols\mult@gfirstbox{%
15067         \ifdim\dp\count@>\dimen\tw@
15068             \global\dimen\tw@\dp\count@ \fi
15069         \mc@col@status@write
15070         \box\count@
15071         \hss{\columnseprulecolor\vrule
15072             \@width\columnseprule}\hss}%
15073     \ifdim\dp\mult@rightbox>\dimen\tw@
15074         \global\dimen\tw@\dp\mult@rightbox \fi
15075     \mc@lastcol@status@write
15076     \box\mult@rightbox
15077 }
15078
15079 \def\RTL@column@boxes{%
15080     \ifnum\col@number<\tw@
15081         \LTR@column@boxes
15082     \else
15083         \process@cols\mult@gfirstbox{%
15084             \hskip\hsize
15085             \hss{\columnseprulecolor\vrule
15086                 \@width\columnseprule}\hss
15087         }%
15088         \hskip\hsize
15089         \process@cols\mult@gfirstbox{%
15090             \ifdim\dp\count@>\dimen\tw@
15091                 \global\dimen\tw@\dp\count@ \fi
15092             \hskip-\hsize
15093             \mc@col@status@write
15094             \box\count@
15095             \hskip-\hsize
15096             \hskip-\columnsep

```



```

15097 }%
15098 \ifdim\dp\mult@rightbox>\dimen\tw@
15099 \global\dimen\tw@\dp\mult@rightbox \fi
15100 \hskip-\hsize
15101 \mc@lastcol@status@write
15102 \box\mult@rightbox
15103 \hskip-\hsize
15104 \hskip\full@width
15105 \fi
15106 }
15107 \newcommand\RTLmulticolcolumns
15108 {\let\bidimulticol@align@columns
15109 \RTL@column@boxes}
15110 \newcommand\LTRmulticolcolumns
15111 {\let\bidimulticol@align@columns
15112 \LTR@column@boxes}
15113 \newcommand\bidimulticol@align@columns
15114 {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
15115 \bidimulticol@AtEndPreamble{%
15116 \if@bidimulticol@csdef{footinsv@1}{%
15117 \def\footnoterule{\kern-3\p@
15118 \hrule \@width \textwidth \kern 2.6\p@}%
15119 }{}%
15120 }
15121 \def\multicols#1{\col@number#1\relax
15122 \ifnum\col@number<\tw@
15123 \PackageWarning{multicol}%
15124 {Using `~\number\col@number'
15125 columns doesn't seem a good idea.^^J
15126 I therefore use two columns instead}%
15127 \col@number\tw@ \fi
15128 \ifnum\col@number>10
15129 \PackageError{multicol}%
15130 {Too many columns}%
15131 {Current implementation doesn't
15132 support more than 10 columns.%
15133 \MessageBreak
15134 I therefore use 10 columns instead}%
15135 \col@number10 \fi
15136 \ifx\@footnotetext\mult@footnotetext\else
15137 \let\orig@footnotetext\@footnotetext
15138 \let\@footnotetext\mult@footnotetext
15139 \fi
15140 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
15141 \let\orig@LTRfootnotetext\@LTRfootnotetext
15142 \let\@LTRfootnotetext\mult@LTRfootnotetext
15143 \fi
15144 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
15145 \let\orig@RTLfootnotetext\@RTLfootnotetext
15146 \let\@RTLfootnotetext\mult@RTLfootnotetext

```





```

15147     \fi
15148     \@ifnextchar[\mult@cols{\mult@cols[]}]{}
15149 \long\def\mult@footnotetext#1{\begingroup
15150     \hsize\textwidth
15151     \columnwidth\textwidth
15152     \orig@footnotetext{#1}\endgroup}
15153 \long\def\mult@LTRfootnotetext#1{\begingroup
15154     \hsize\textwidth
15155     \columnwidth\textwidth
15156     \orig@LTRfootnotetext{#1}\endgroup}
15157 \long\def\mult@RTLfootnotetext#1{\begingroup
15158     \hsize\textwidth
15159     \columnwidth\textwidth
15160     \orig@RTLfootnotetext{#1}\endgroup}
15161 \def\rightrightarrows@footnoterule{%
15162     \kern-3\p@
15163     \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
15164     \kern2.6\p@}
15165 \def\textwidth@footnoterule{\kern-3\p@
15166     \hrule \@width \textwidth \kern 2.6\p@}
15167 \def\bidileave@mult@copyins{%
15168     \advance\dimen@-\skip\@bidi@copyins@
15169     \advance\dimen@-\ht\@bidi@copyins@
15170 }
15171 \bidi@AtEndPreamble{%
15172     \if@bidi@csdef{footinsv@l}{%
15173         \def\bidileave@mult@footins@vr{%
15174             \advance\dimen@-\skip\footinsv@r
15175             \advance\dimen@-\ht\footinsv@r
15176         }%
15177         \def\bidileave@mult@footins@vl{%
15178             \advance\dimen@-\skip\footinsv@l
15179             \advance\dimen@-\ht\footinsv@l
15180         }%
15181         \def\bidinit@mult@footinsv@r{%
15182             \multiply\count\footinsv@r\col@number
15183             \multiply\skip \footinsv@r\col@number
15184         }%
15185         \def\bidinit@mult@footinsv@l{%
15186             \multiply\count\footinsv@l\col@number
15187             \multiply\skip \footinsv@l\col@number
15188         }%
15189         \def\bidireinsert@footnotesv@r{\ifvoid\footinsv@r\else
15190             \insert\footinsv@r{}\fi}%
15191         \def\bidireinsert@footnotesv@l{\ifvoid\footinsv@l\else
15192             \insert\footinsv@l{}\fi}%
15193         \bidi@patchcmd{\prepare@multicols}{%
15194             \reinsert@footnotes
15195         }{%
15196             \reinsert@footnotes

```



```

15197 \bidi@init@mult@footinsv@r
15198 \bidi@reinsert@footnotesv@r
15199 \bidi@init@mult@footinsv@l
15200 \bidi@reinsert@footnotesv@l
15201 }{}{}%
15202 \bidi@patchcmd{\multi@column@out}{%
15203 \ifnum \c@tracingmulticols>\thr@@
15204 }{%
15205 \ifvoid\footinsv@r
15206 \ifvoid\footinsv@l
15207 \else
15208 \PackageWarning{multicol}%
15209 {I moved some lines to
15210 the next page.\MessageBreak
15211 Footnotes on page
15212 \thepage\space might be wrong}%
15213 \fi
15214 \else
15215 \PackageWarning{multicol}%
15216 {I moved some lines to
15217 the next page.\MessageBreak
15218 Footnotes on page
15219 \thepage\space might be wrong}%
15220 \fi
15221 \ifnum \c@tracingmulticols>\thr@@
15222 }{}{}%
15223 \bidi@patchcmd{\endmulticols}{%
15224 \reinsert@footnotes
15225 }{%
15226 \reinsert@footnotes
15227 \bidi@reinsert@footnotesv@r
15228 \bidi@reinsert@footnotesv@l
15229 }{}{}%
15230 \bidi@patchcmd{\speci@ls}{%
15231 \reinsert@footnotes
15232 }{%
15233 \reinsert@footnotes
15234 \bidi@reinsert@footnotesv@r
15235 \bidi@reinsert@footnotesv@l
15236 }{}{}%
15237 \bidi@patchcmd{\speci@ls}{%
15238 \reinsert@footnotes
15239 }{%
15240 \reinsert@footnotes
15241 \bidi@reinsert@footnotesv@r
15242 \bidi@reinsert@footnotesv@l
15243 }{}{}%
15244 }{}{}%
15245 \bidi@patchcmd{\multi@column@out}{%
15246 \ifvbox \@kludgeins

```



```

15247 }{%
15248   \if@bidi@csdef{footinsv@l}{%
15249     \divide\skip\footinsv@r\col@number
15250     \ifvoid\footinsv@r \else
15251       \bidi@leave@mult@footins@vr
15252     \fi
15253     \divide\skip\footinsv@l\col@number
15254     \ifvoid\footinsv@l \else
15255       \bidi@leave@mult@footins@vl
15256     \fi
15257   }{%
15258     \ifvoid\@bidi@copyins@ \else
15259       \bidi@leave@mult@copyins
15260     \fi
15261     \ifvbox \@kludgeins
15262   }{}{}%
15263 }

```

## 86 File multienum-xetex-bidi.def

```

15264 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
15265 \renewcommand{\itemx}[1]{\parbox[t]{%
15266   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15267   \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
15268 \renewcommand{\itemxx}[2]{\parbox[t]{%
15269   {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15270   \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15271     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15272     \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
15273   \renewcommand{\itemxxx}[3]{\parbox[t]{%
15274     {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15275     \parbox[t]{.333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15276       {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
15277       \parbox[t]{0.333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
15278         {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15279         \parbox[t]{0.333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
15280     \renewcommand{\itemxxxx}[4]{\parbox[t]{%
15281       {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15282       \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15283         {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15284         \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15285         \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15286         \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
15287         \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15288         \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
15289       \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
15290         {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15291         \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
15292         \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15293         \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%

```



```

15294 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15295 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
15296 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15297 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
15298 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15299 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
15300 \renewcommand{\itemxox}[2]{\parbox[t]{%
15301 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15302 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15303 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15304 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
15305 \renewcommand{\itemxox}[2]{\parbox[t]{%
15306 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15307 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
15308 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15309 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
15310 \renewcommand{\itemxox}[3]{\parbox[t]{%
15311 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15312 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15313 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15314 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15315 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15316 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15317 \renewcommand{\itemxox}[3]{\parbox[t]{%
15318 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15319 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15320 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15321 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
15322 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15323 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15324 \renewcommand{\itemxxx}[3]{\parbox[t]{%
15325 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15326 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15327 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15328 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15329 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15330 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

## 87 File natbib-xetex-bidi.def

```

15331 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X
15332 \renewenvironment{thebibliography}[1]{%
15333 \bibsection
15334 \parindent\z@
15335 \bibpreamble
15336 \bibfont
15337 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15338 \bidi@@thebibliography@font@hook%
15339 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
15340 \ifNAT@openbib

```



```

15341 \renewcommand\newblock{\par}%
15342 \else
15343 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
15344 \fi
15345 \sloppy\clubpenalty4000\widowpenalty4000
15346 \sfcode\.\@m
15347 \let\NAT@bibitem@first@sw\@firstoftwo
15348 \let\citeN\cite \let\shortcite\cite
15349 \let\citeasnoun\cite
15350 }{%
15351 \bibitem@fin
15352 \bibpostamble
15353 \def\@noitemerr{%
15354 \PackageWarning{natbib}{Empty `thebibliography' environment}%
15355 }%
15356 \endlist
15357 \bibcleanup
15358 }%

```

## 88 File newfloat-xetex-bidi.def

```

15359 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
15360 \renewcommand*\newfloat@setwithin[2]{%
15361 \ifcsname c@chapter\endcsname
15362 \@removefromreset{#1}{chapter}%
15363 \fi
15364 \@removefromreset{#1}{section}%
15365 \edef\@tempa{#2}%
15366 \ifx\@tempa\@empty
15367 \def\@tempa{none}%
15368 \fi
15369 \def\@tempb{none}%
15370 \ifx\@tempa\@tempb
15371 \ifcsname c@chapter\endcsname
15372 \@chapterlistsgap@off{#1}%
15373 \fi
15374 \newfloat@@setwithin{#1}{\@tempa}%
15375 \else
15376 \def\@tempb{chapter}%
15377 \ifx\@tempa\@tempb
15378 \@addtoreset{#1}{chapter}%
15379 \@chapterlistsgap@on{#1}%
15380 \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
15381 \else
15382 \def\@tempb{section}%
15383 \ifx\@tempa\@tempb
15384 \@addtoreset{#1}{section}%
15385 \ifcsname c@chapter\endcsname
15386 \@addtoreset{#1}{chapter}%
15387 \@chapterlistsgap@on{#1}%

```



```

15388         \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
15389     \else
15390         \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection
15391     \fi
15392 \else
15393     \newfloat@Error{Invalid value `#2' for option `within'}%
15394 \fi
15395 \fi
15396 \fi}

```

## 89 File ntheorem-xetex-bidi.def

```

15397 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
15398 \gdef\@thm#1#2#3{%
15399     \if@thmmarks
15400         \stepcounter{end\InTheoType ctr}%
15401     \fi
15402     \renewcommand{\InTheoType}{#1}%
15403     \if@thmmarks
15404         \stepcounter{curr#1ctr}%
15405         \setcounter{end#1ctr}{0}%
15406     \fi
15407     \refstepcounter{#2}%
15408     \theorem@prework
15409     \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15410     \ifvmode \advance\thm@topsepadd\partopsep\fi
15411     \trivlist
15412     \@topsep \theorempreskipamount
15413     \@topsepadd \thm@topsepadd % used by \@endparenv
15414     \advance\linewidth -\theorem@indent
15415     \advance\@totalleftmargin \theorem@indent
15416     \if@RTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15417     \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 90 File ntheorem-hyper-xetex-bidi.def

```

15418 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
15419 \gdef\@thm#1#2#3{%
15420     \if@thmmarks
15421         \stepcounter{end\InTheoType ctr}%
15422     \fi
15423     \renewcommand{\InTheoType}{#1}%
15424     \if@thmmarks
15425         \stepcounter{curr#1ctr}%
15426         \setcounter{end#1ctr}{0}%
15427     \fi
15428     \refstepcounter{#2}%
15429     \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15430     \ifvmode \advance\thm@topsepadd\partopsep\fi
15431     \trivlist

```



```

15432 \@topsep \theorempreskipamount
15433 \@topsepadd \thm@topsepadd % used by \@endparenv
15434 \advance\linewidth -\theorem@indent
15435 \advance\@totalleftmargin \theorem@indent
15436 \ifRTL\parshape \@ne 0pt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15437 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 91 File overpic-xetex-bidi.def

```

15438 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for
15439 \renewenvironment{overpic}[2][\fi]{%
15440 \sbox{\z@}{\includegraphics[#1]{#2}}%
15441 \settodepth{\@tempcnta}{\usebox{\z@}}%
15442 \settoheight{\@tempcntb}{\usebox{\z@}}%
15443 \advance\@tempcntb\@tempcnta%
15444 \settowidth{\@tempcnta}{\usebox{\z@}}%
15445 \setlength{\@tempdima}{\unitlength}%
15446 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
15447 %
15448 \OVP@calc%
15449 %
15450 \begin{picture}(\@tempcnta,\@tempcntb)%
15451 \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
15452 \ifGin@grid%
15453 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15454 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15455 \fi\fi%
15456 % reset the graphics parameter
15457 \let\Gin@outer@scalex\relax
15458 \let\Gin@outer@scaley\relax
15459 \let\Gin@angle\relax
15460 \let\Gin@ewidth\Gin@exclamation
15461 \let\Gin@eheight\Gin@ewidth
15462 \def\Gin@scalex{1}
15463 \let\Gin@scaley\Gin@exclamation
15464 }{%
15465 \ifRTL\ifGin@grid%
15466 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15467 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15468 \fi%
15469 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
15470 \end{picture}%
15471 }%

```

## 92 File pdfbase-xetex-bidi.def

```

15472 \ProvidesFile{pdfbase-xetex-bidi.def}[2020/05/13 v0.3 bidi adaptations for pdfbase package for
15473 \ExplSyntaxOn
15474 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
15475 \cs_set_nopar:Npn\@outputpage{

```



```

15476 \int_gincr:N\g_pbs_page_int
15477 \iow_now:Nx\@mainaux{
15478   \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
15479 }
15480 \box_if_vertical:cTF{@outputbox}{
15481   \bool_set_true:N\l_pbs_is_vertical_bool
15482 }{
15483   \bool_set_false:N\l_pbs_is_vertical_bool
15484 }
15485 \hbox_set:Nn\@outputbox{
15486   %begin of page
15487   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
15488   \box_use_drop:N\@outputbox
15489   %end of page
15490   \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15491 }
15492 \bool_if:NT\l_pbs_is_vertical_bool{
15493   \vbox_set:Nn\@outputbox{\box_use_drop:N\@outputbox}
15494 }
15495 \pbs_outputpage_orig:
15496 }
15497 \ExplSyntaxOff

```

## 93 File pdfpages-xetex-bidi.def

```

15498 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
15499 \renewcommand*{\includepdf}[2][{}]{%
15500   \begingroup
15501   \@RTLfalse
15502   \let\AM@threadname\relax
15503   \AM@split@options{pdfpages}{#1}%
15504   \edef\AM@temp{\pdfpages}{\the\@temptokena}}%
15505   \expandafter\setkeys\AM@temp
15506   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
15507     \let\AM@currentdocname\relax
15508     \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
15509     \def\AM@pagecount{0}%
15510   }{%
15511     \AM@findfile{#2}%
15512     \if\AM@threadname\relax
15513       \def\AM@threadname{\AM@currentdocname}%
15514     \fi
15515   }%
15516   \ifAM@survey
15517     \def\AM@pagestemp{}%
15518     \@tempcnta=0
15519     \def\foo{%
15520       \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
15521       {\let\foo\relax}
15522       {\expandafter\ifx\expandafter\\AM@pagestemp\

```





```

15523         \edef\AM@pagestemp{%
15524             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15525         \else
15526             \edef\AM@pagestemp{\AM@pagestemp,%
15527                 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15528         \fi
15529         \advance\@tempcnta 1\relax
15530     }%
15531     \foo
15532 }%
15533 \foo
15534 \expandafter\ifx\expandafter\\AM@pagestemp\\
15535     \def\AM@pagestemp{1}%
15536 \fi
15537 \fi
15538 \ifAM@output
15539     \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
15540     \AM@output{#1}%
15541 \fi
15542 \AM@CheckAtEnd
15543 \endgroup
15544 \AM@ClearShipoutPicture
15545 }

```

## 94 File pgfcorescopes.code-xetex-bidi.def

```

15546 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
15547 \def\pgfpicture{%
15548     \begingroup%
15549     \ifmmode\else\@RTLfalse\beginL\fi%
15550     \pgfpicturetrue%
15551     \global\advance\pgf@picture@serial@count by1\relax%
15552     \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
15553     \let\pgf@nodecallback=\pgfutil@gobble%
15554     \pgf@picmaxx=-16000pt\relax%
15555     \pgf@picminx=16000pt\relax%
15556     \pgf@picmaxy=-16000pt\relax%
15557     \pgf@picminy=16000pt\relax%
15558     \pgf@relevantforpicturesizetrue%
15559     \pgf@resetpathsizes%
15560     \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
15561 \def\endpgfpicture{%
15562     \ifpgfrememberpicturepositiononpage%
15563         \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
15564     \fi%
15565     % ok, now let's position the box
15566     \ifdim\pgf@picmaxx=-16000pt\relax%
15567         % empty picture. make size 0.
15568         \global\pgf@picmaxx=0pt\relax%
15569         \global\pgf@picminx=0pt\relax%

```



```

15570         \global\pgf@picmaxy=0pt\relax%
15571         \global\pgf@picminy=0pt\relax%
15572     \fi%
15573     % Shift baseline outside:
15574     \pgf@relevantforpicturesizefalse%
15575     \pgf@process{\pgf@baseline}%
15576     \xdef\pgf@shift@baseline{\the\pgf@y}%
15577     %
15578     \pgf@process{\pgf@trimleft}%
15579     \global\advance\pgf@x by-\pgf@picminx
15580     % prepare \hskip\pgf@trimleft@final.
15581     % note that \pgf@trimleft@final is also queried
15582     % by the pgf image externalization.
15583     \xdef\pgf@trimleft@final{-\the\pgf@x}%
15584     %
15585     \pgf@process{\pgf@trimright}%
15586     \global\advance\pgf@x by-\pgf@picmaxx
15587     % prepare \hskip\pgf@trimright@final.
15588     % note that \pgf@trimright@final is also queried
15589     % by the pgf image externalization.
15590     \xdef\pgf@trimright@final{\the\pgf@x}%
15591     %
15592     \pgf@remember@layerlist@globally
15593     \endgroup%
15594     \hss%
15595     \egroup%
15596     \pgf@restore@layerlist@from@global
15597     \pgf@insertlayers%
15598     \endgroup%
15599     \pgfsys@discardpath%
15600     \endgroup%
15601     \pgfsys@endscope%
15602     \pgfsys@endpicture%
15603     \endgroup%
15604     \hss
15605     \egroup%
15606     \pgfsys@typesetpicturebox\pgfpic%
15607     \ifmmode\else\endL\fi%
15608     \endgroup%
15609 }

```

## 95 File picinpar-xetex-bidi.def

```

15610 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15611 \long\def\@makewincaption#1#2{%
15612     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15613     \ifdim\wd\@tempboxa>\picwd
15614         {\footnotesize{\bf #1:\enspace}{#2\par}}
15615     \else
15616         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}

```



```

15617 \fi}
15618 \def\endwindow{%
15619     \global\tcd=\tcdsav
15620     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15621     \vbadness=10000
15622     \splittopskip=0pt
15623 %
15624 % Typeset the lines above the window
15625 %
15626 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15627 \tcn=\tcd
15628 \loop\advance\tcn -1
15629 \setbox\fslice=\vsplit\holder to\baselineskip
15630 \prune\fslice\linewidth
15631 \topheight=0pt
15632 \ifnum\dp\fslice>\dp\wstrutbox
15633     \advance\topheight-\dp\fslice
15634     \advance\topheight\dp\wstrutbox
15635     \advance\topheight\ilg\fi
15636 \hbox to\linewidth{\box\fslice}
15637 \vskip-\topheight
15638 \ifdim\ht\holder>0pt\repeat
15639 \fi
15640 %
15641 % Now we build the boxes beside the window
15642 %
15643 \global\topheight=\tcl\baselineskip
15644 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15645     \global\topheight=\vpic
15646 \fi
15647 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15648 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15649 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15650 \tcn=\tcl \na=0 \nb=0
15651 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15652 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15653 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15654 \ifnum\na=0\ifnum\nb=0
15655     \setbox\waslice=\vbox to\vpic{\vss}
15656     \setbox\wbslice=\vbox to\vpic{\vss}
15657     \bl=1\br=1
15658     \vskip\ilg
15659 \fi\fi
15660 %
15661 % both sides
15662 %
15663 \ifnum\na>0 \ifnum\nb>0
15664 \loop\advance\nb -1
15665 \advance\na -1
15666 \if@RTL%

```



```

15667 \setbox\bslice=\vsplit\holder to\baselineskip
15668 \prune\bslice\rtside
15669 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15670 to\rtside{\box\bslice\hfil}}
15671 \setbox\aslice=\vsplit\holder to\baselineskip
15672 \prune\aslice\lftside
15673 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15674 to\lftside{\box\aslice\hfil}}
15675 \else%
15676 \setbox\aslice=\vsplit\holder to\baselineskip
15677 \prune\aslice\lftside
15678 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15679 to\lftside{\box\aslice\hfil}}
15680 \setbox\bslice=\vsplit\holder to\baselineskip
15681 \prune\bslice\rtside
15682 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15683 to\rtside{\box\bslice\hfil}}
15684 \fi%
15685 \ifnum\nb>0\repeat
15686 \fi\fi
15687 %
15688 % only text on the left side
15689 %
15690 \ifnum\na>0
15691     \loop\advance\na -1
15692     \setbox\aslice=\vsplit\holder to\baselineskip
15693     \prune\aslice\lftside
15694     \setbox\waslice=\vbox{\unvbox\waslice\hbox
15695 to\lftside{\box\aslice\hfil}}
15696     \ifdim\ht\holder>0pt\repeat
15697 \fi
15698 %
15699 % only text on the right side
15700 %
15701 \ifnum\nb>0
15702     \loop\advance\nb -1
15703     \setbox\bslice=\vsplit\holder to\baselineskip
15704     \prune\bslice\rtside
15705     \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15706 to\rtside{\box\bslice\hfil}}
15707     \ifdim\ht\holder>0pt\repeat
15708 \fi
15709 %
15710 % fixing the dimensions of the window part
15711 %
15712 \ifnum\bl=0\topheight=\ht\wbslice
15713 \else\ifnum\br=0\topheight=\ht\waslice
15714     \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15715         \else\topheight=\ht\wbslice\fi\fi\fi
15716 %

```



```

15717% ship out the window material to the main vertical list
15718%
15719\ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15720\setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15721\fi\fi\fi
15722\setbox>windowbox=\vbox{\hbox to\linewidth{%
15723\ifnum\bl>0\box\waslice\hfill\fi%
15724\vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15725\vfill\unvbox\picbox%
15726\ifnum\picwd>0\vfill\fi%
15727\vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15728\unvbox>windowbox%
15729\loop
15730\setbox\bslice=\vsplit\rawtext to\baselineskip
15731\prune\bslice\linewidth
15732\setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15733\unvbox\wbslice
15734\ifdim\ht\rawtext>0pt
15735\repeat
15736}% FINITO

```

## 96 File plain-xetex-bidi.def

```

15737\def\TeXeTOn{\TeXeTstate=1 }
15738\def\TeXeTOff{\TeXeTstate=0 }
15739\TeXeTOn
15740\def\usebox#1{\leavevmode\copy #1\relax}
15741\def\bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
15742\let\bidi@o@everypar=\everypar
15743\newtoks\bidi@n@everypar
15744\bidi@n@everypar\expandafter{\the\bidi@o@everypar}
15745\bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
15746\let\everypar=\bidi@n@everypar
15747\def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15748\def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15749\protected\def\hboxR{\hbox\bgroup
15750\everyhbox{%
15751\aftergroup\egroup
15752\everyhbox{}}%
15753\beginR
15754\@hboxRconstructtrue
15755\bgroup
15756\aftergroup\endR
15757\aftergroup\egroup
15758}\hbox}
15759\protected\def\hboxL{\hbox\bgroup
15760\everyhbox{%
15761\aftergroup\egroup
15762\everyhbox{}}%
15763\beginL

```



```

15764 \@hboxRconstructfalse
15765 \bgroup
15766 \aftergroup\endL
15767 \aftergroup\egroup
15768 }\hbox}
15769 \protected\def\vboxR{\vbox\bgroup
15770 \everyvbox{%
15771 \aftergroup\egroup
15772 \everyvbox{}}%
15773 \@RTLtrue
15774 \bgroup
15775 \aftergroup\egroup
15776 }\vbox}
15777 \protected\def\vboxL{\vbox\bgroup
15778 \everyvbox{%
15779 \aftergroup\egroup
15780 \everyvbox{}}%
15781 \@RTLfalse
15782 \bgroup
15783 \aftergroup\egroup
15784 }\vbox}
15785 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15786 \def\endLTR{\par}
15787 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15788 \def\endRTL{\par}
15789 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15790 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15791 \let\unsetRTL=\setLTR
15792 \let\unsetLTR=\setRTL
15793 \let\LR=\LRE
15794 \let\RL=\RLE
15795 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15796 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15797 \let\@ensure@RL=\@ensure@RTL
15798 \let\@ensure@LR=\@ensure@LTR
15799 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15800 \let\@ensure@maindir=\@ensure@dir
15801 \def\@@RTL{RTL}
15802 \def\@@LTR{LTR}
15803 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
15804 \def\reset@dir{\ifx\saved@@dir\@@RTL\setRTL\else\ifx\saved@@dir\@@LTR\setLTR\else\relax\fi\fi}
15805 \let\@@TeX\TeX
15806 \def\TeX{\@ensure@LTR{\@@TeX}}
15807 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
15808 \dimen@=\dp\@cclv \unvbox\@cclv % open up \box255
15809 \ifvoid\footins\else % footnote info is present
15810 \vskip\skip\footins
15811 \footnoterule
15812 \unvbox\footins\fi
15813 \ifr@ggedbottom \kern-\dimen@ \vfil \fi

```



```

15814 \ifvoid\@bidi@copyins@
15815 \else
15816 \vskip\skip\@bidi@copyins@
15817 \unvbox\@bidi@copyins@
15818 \fi
15819 }
15820 \long\def\bidi@reflect@box#1{%
15821 \leavevmode
15822 \setbox\z@\hbox{{#1}}%
15823 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
15824 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15825 }
15826 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
15827 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
15828 \let\setRL=\setRTL
15829 \let\setLR=\setLTR
15830 \let\unsetRL=\setLTR
15831 \let\bidi@saved@eqno=\eqno
15832 \let\bidi@saved@leqno=\leqno
15833 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@saved@leqno \else \bidi@saved@eqno \fi}
15834 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@saved@eqno \else \bidi@saved@leqno \fi}
15835 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15836 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15837 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

## 97 File pstricks-xetex-bidi.def

```

15838 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15839 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15840 \def\endpspicture{%
15841 \ifshowgrid\ifnum\showgridp>0
15842 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15843 \pst@killglue
15844 % \global\pst@shift=\pst@shift% in fact of the following endgroup
15845 \endgroup
15846 \egroup
15847 \ifdim\wd\pst@hbox=\z@\else
15848 %\@pstrickserr{Extraneous space in the pspicture environment}%
15849 %\Type \space <return> \space to proceed.}%
15850 \fi
15851 \ht\pst@hbox=\pst@dimd
15852 \dp\pst@hbox=-\pst@dimb
15853 \setbox\pst@hbox=\hbox{%
15854 \kern-\pst@dima
15855 % Orig version -----
15856 %\ifx\pst@tempa\@empty\else
15857 %\advance\pst@dimd-\pst@dimb
15858 %\pst@dimd=\pst@tempa\pst@dimd
15859 %\advance\pst@dimd\pst@dimb
15860 %\lower\pst@dimd

```



```

15861 %\fi
15862 %----- end Orig
15863 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
15864 \advance\pst@dimd-\pst@dimb
15865 \pst@dimd=0.5\pst@dimd
15866 \else\pst@dimd-\pst@shift\fi
15867 \advance\pst@dimd\pst@dimb
15868 \lower\pst@dimd
15869 \box\pst@hbox
15870 \kern\pst@dimc}%
15871 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15872 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15873 \fboxsep=0pt
15874 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15875 \ifmmode\else\endL\fi
15876 \endgroup%
15877 \psset[pstricks]{shift=0}% reset value
15878 }

```

## 98 File quotchap-xetex-bidi.def

```

15879 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15880 \renewcommand{\qauthor}[1]{%
15881 \par\smallskip
15882 {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{}\par}\bigskip}
15883 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15884 {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15885 {\chapnumfont
15886 \ifnum \c@secnumdepth >\m@ne%
15887 \if@mainmatter\thechapter%
15888 \fi\fi
15889 \par\nobreak}%
15890 {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10pt}
15891 \nobreak\chapterheadendvskip}}
15892 \renewcommand*{\@iprintcites}{%
15893 \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15894 \global\let\@printcites\relax}

```

## 99 File ragged2e-xetex-bidi.def

```

15895 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
15896 \renewcommand{\Centering}{%
15897 \ifx\\ \@raggedtwoe@savedcr
15898 \let\\ \@centercr
15899 \fi
15900 \let\@gnewline\@raggedtwoe@gnewline
15901 \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
15902 \@rightskip\CenteringRightskip
15903 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15904 \parfillskip\CenteringParfillskip

```





```

15905 \parindent\CenteringParindent
15906 \@raggedtwoe@spaceskiptrue
15907 \@raggedtwoe@everyselectfont
15908 }
15909 \renewcommand{\RaggedLeft}{%
15910 \ifx\\ \@raggedtwoe@savedcr
15911 \let\\ \@centercr
15912 \fi
15913 \let\@newline\@raggedtwoe@gnewline
15914 \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
15915 \@rightskip\RaggedLeftRightskip
15916 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15917 \parfillskip\RaggedLeftParfillskip
15918 \parindent\RaggedLeftParindent
15919 \@raggedtwoe@spaceskiptrue
15920 \@raggedtwoe@everyselectfont
15921 }
15922 \renewcommand{\RaggedRight}{%
15923 \ifx\\ \@raggedtwoe@savedcr
15924 \let\\ \@centercr
15925 \fi
15926 \let\@newline\@raggedtwoe@gnewline
15927 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
15928 \@rightskip\RaggedRightRightskip
15929 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15930 \parfillskip\RaggedRightParfillskip
15931 \parindent\RaggedRightParindent
15932 \@raggedtwoe@spaceskiptrue
15933 \@raggedtwoe@everyselectfont
15934 }
15935 \renewcommand{\justifying}{%
15936 \let\\ \@raggedtwoe@savedcr
15937 \let\@newline\@raggedtwoe@saved@gnewline
15938 \if@RTL\rightskip\else\leftskip\fi\z@
15939 \@rightskip\z@
15940 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15941 \parfillskip\JustifyingParfillskip
15942 \parindent\JustifyingParindent
15943 \@raggedtwoe@spaceskipfalse
15944 \@raggedtwoe@everyselectfont
15945 }
15946 \def\@raggedtwoe@raggedrightboxes@opt{%
15947 \renewcommand{\@arrayparboxrestore}{%
15948 \let\if@nobreak\iffalse
15949 \let\if@noskipsec\iffalse
15950 \let\par\@par
15951 \let\-\@dischyph
15952 \let'\@acci\let`\@accii\let=\@acciii
15953 \parskip\z@skip
15954 \everypar{}%

```



```

15955 \linewidth\hsize
15956 \@totalleftmargin\z@
15957 \if@RTL
15958   \RaggedLeft
15959 \else
15960   \RaggedRight
15961 \fi
15962 \lineskip\normallineskip
15963 \baselineskip\normalbaselineskip
15964 \sloppy}%
15965 \let\@raggedtwoe@raggedrightboxes@opt\relax
15966 }
15967 \def\@raggedtwoe@document@opt{%
15968   \AtBeginDocument{\@raggedtwoe@abdhook}%
15969   \@raggedtwoe@raggedrightboxes@opt
15970   \@raggedtwoe@footmisctrue
15971   \let\@raggedtwoe@document@opt\relax
15972 }
15973 \def\@raggedtwoe@abdhook{%
15974   \PackageInfo{ragged2e}{ABD: executing ``\string\RaggedLeft' for
15975     right to left documents and ``\string\RaggedRight' for left
15976     to right documents}%
15977   \if@RTL
15978     \RaggedLeft
15979   \else
15980     \RaggedRight
15981   \fi
15982   \@ifundefined{@tocrmarg}{}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
15983   \let\@raggedtwoe@abdhook\relax
15984 }
15985 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
15986   \@raggedtwoe@raggedrightboxes@opt
15987 }{}
15988 \@ifpackagewith{ragged2e}{document}{%
15989   \@raggedtwoe@document@opt
15990 }{}
15991 \let\origin@RaggedLeft=\RaggedLeft
15992 \let\origin@RaggedRight=\RaggedRight
15993 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15994 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

## 100 File rapport1-xetex-bidi.def

```

15995 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15996 \renewenvironment{theindex}{%
15997   \if@twocolumn
15998     \@restonecolfalse
15999   \else
16000     \@restonecoltrue
16001   \fi

```



```

16002 \columnseprule \z@
16003 \columnsep 35\p@
16004 \twocolumn[\@makeschapterhead{\indexname}]%
16005 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
16006 \thispagestyle{plain}\parindent\z@
16007 \parskip\z@ \@plus .3\p@\relax
16008 \let\item\@idxitem
16009 }{%
16010 \if@restonecol\onecolumn\else\clearpage\fi}
16011 \renewcommand*{\headstyle}{%
16012 \interlinepenalty \@M
16013 \hyphenpenalty=\@M \exhyphenpenalty=\@M
16014 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16015 \if@titlepage
16016 \renewenvironment{abstract}{%
16017 \titlepage
16018 \null\vfil
16019 \section*{\SectFont\abstractname}%
16020 \noindent\ignorespaces}
16021 {\par\vfil\null\endtitlepage}
16022 \else
16023 \renewenvironment{abstract}{%
16024 \if@twocolumn
16025 \section*{\abstractname}%
16026 \else
16027 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16028 \section*{\small\SectFont\abstractname}%
16029 \noindent\ignorespaces
16030 \fi}
16031 {\if@twocolumn\else\par\egroup\fi}
16032 \fi
16033 \renewcommand*{\@regtocline}[3]{%
16034 \ifnum #1>\c@tocdepth
16035 \else
16036 \vskip\z@ \@plus .2\p@
16037 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
16038 \if@RTL\rightskip\else\leftskip\fi\unitindent
16039 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
16040 \parfillskip\z@
16041 \@tempdima\unitindent
16042 \parindent\z@
16043 \leavevmode
16044 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
16045 \hskip 1em \nobreak{\slshape #3}\par
16046 }%
16047 \fi}
16048 \if@oldtoc
16049 \renewcommand*{\l@part}[2]{%
16050 \ifnum \c@tocdepth >-2\relax
16051 \addpenalty{-\@highpenalty}%

```



```

16052 \addvspace{2.25em \@plus\p@}%
16053 \beginingroup
16054 \setlength\@tempdima{3em}%
16055 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16056 \parfillskip -\@pnumwidth
16057 {\leavevmode
16058 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16059 \nobreak
16060 \global\@nbreaktrue
16061 \everypar{\global\@nbreakfalse\everypar{}}%
16062 \endgroup
16063 \fi}
16064 \else
16065 \renewcommand*\l@part{%
16066 \ifnum \c@tocdepth >-2\relax
16067 \addpenalty{-\@highpenalty}%
16068 \addvspace{2.25em \@plus \p@}%
16069 \@regtocline{0}%
16070 \fi}
16071 \fi
16072 \if@oldtoc
16073 \renewcommand*\l@chapter[2]{%
16074 \addpenalty{-\@highpenalty}%
16075 \vskip 1.0em \@plus\p@
16076 \setlength\@tempdima{1.5em}%
16077 \beginingroup
16078 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16079 \parfillskip -\@pnumwidth
16080 \leavevmode \bfseries
16081 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16082 \hskip -\if@RTL\rightskip\else\leftskip\fi
16083 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16084 \penalty\@highpenalty
16085 \endgroup}
16086 \else
16087 \renewcommand*\l@chapter{\@regtocline{0}}
16088 \fi
16089 \renewcommand*\left@footnoterule{%
16090 \kern-3\p@
16091 \kern.5\baselineskip
16092 \hrule\@width\unitindent
16093 \kern.4\baselineskip
16094 }
16095 \renewcommand*\right@footnoterule{%
16096 \kern-3\p@
16097 \kern.5\baselineskip
16098 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16099 \kern.4\baselineskip}
16100 \renewenvironment{thebibliography}[1]
16101 {\chapter*{\bibname}%

```



```

16102 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16103 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
16104 \bidi@thebibliography@font@hook%
16105 \list{\@biblabel{\@arabic\c@enumiv}}%
16106 {\settowidth\labelwidth{\@biblabel{#1}}%
16107 \leftmargin\labelwidth
16108 \advance\leftmargin\labelsep
16109 \@openbib@code
16110 \usecounter{enumiv}%
16111 \let\p@enumiv\@empty
16112 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16113 \sloppy\clubpenalty4000\widowpenalty4000%
16114 \sfcode`. \@m}
16115 {\def\@noitemerr
16116 {\@latex@warning{Empty `thebibliography' environment}}%
16117 \endlist}
16118 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16119 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16120 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16121 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16122 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16123 \renewcommand*\theequation{%
16124 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
16125 \renewcommand*\thefigure{%
16126 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
16127 \renewcommand*\thetable{%
16128 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16129 \if@titlepage
16130 \renewcommand*\TitleFont{\rmfamily}
16131 \renewcommand*\maketitle{%
16132 \begin{titlepage}%
16133 \let\footnotesize\small
16134 \let\right@footnoterule\relax
16135 \let\left@footnoterule\relax
16136 \let\textwidth@footnoterule\relax
16137 \let \footnote \thanks
16138 \long\def\@makefntext##1{\parindent\z@
16139 \def\labelitemi{\textendash}\@revlabeltrue
16140 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
16141 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16142 \if@compatibility\setcounter{page}{0}\fi
16143 \null\vfil
16144 \vskip 60\p@
16145 \begin{center}%
16146 \TitleFont
16147 {\LARGE \def\\{\penalty -\@M}
16148 \if@allcaps
16149 \expandafter\uc@nothanks\@title\thanks\relax
16150 \else
16151 \@title

```



```

16152         \fi\par}%
16153     \vskip 3em%
16154     {\large
16155         \lineskip .75em \parindent\z@
16156         \begin{tabular}[t]{c}%
16157             \if@allcaps
16158                 \expandafter\uc@authornothanks\@author\and\relax
16159             \else
16160                 \@author
16161             \fi
16162         \end{tabular}\par}%
16163     \vskip 1.5em%
16164     {\large
16165         \if@allcaps
16166             \uppercase\expandafter{\@date}%
16167         \else
16168             \@date
16169         \fi\par}%
16170     \end{center}\par
16171     \@thanks
16172     \vfil\null
16173 \end{titlepage}%
16174 \setcounter{footnote}{0}%
16175 \global\let\thanks\relax
16176 \global\let\maketitle\relax
16177 \global\let\@thanks\@empty
16178 \global\let\@author\@empty
16179 \global\let\@title\@empty
16180 \global\let\@date\@empty
16181 \global\let\title\relax
16182 \global\let\author\relax
16183 \global\let\date\relax
16184 \global\let\and\relax
16185 }
16186 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
16187 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
16188     \futurelet\@tempa\uc@ax}
16189 \def\uc@ax{%
16190     \ifx\@tempa\relax
16191     \else
16192         \\\ \andname \\\ \expandafter\uc@authornothanks
16193     \fi}
16194 \def\uc@tx{\ifx\@tempa\relax
16195     \else \expandafter\uc@ty \fi}
16196 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
16197 \else
16198 \renewcommand*\maketitle{\par
16199     \begingroup
16200     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16201     \def\@makefnmark{\rlap{\

```



```

16202      \@textsuperscript{\normalfont\@thefnmark}}}%
16203      \long\def\@makefnintext{\@xmakefnintext{%
16204        \@textsuperscript{\normalfont\@thefnmark}}}%
16205      \if@twocolumn
16206        \ifnum \col@number=\@ne
16207          \@maketitle
16208        \else
16209          \twocolumn[\@maketitle]%
16210        \fi
16211      \else
16212        \newpage
16213        \global\@topnum\z@
16214        \@maketitle
16215      \fi
16216      \thispagestyle{plain}\@thanks
16217    \endgroup
16218    \setcounter{footnote}{0}%
16219    \global\let\thanks\relax
16220    \global\let\maketitle\relax
16221    \global\let\@maketitle\relax
16222    \global\let\@thanks\@empty
16223    \global\let\@author\@empty
16224    \global\let\@title\@empty
16225    \global\let\@date\@empty
16226    \global\let\title\relax
16227    \global\let\author\relax
16228    \global\let\date\relax
16229    \global\let\and\relax
16230  }
16231  \def\@maketitle{%
16232    \newpage
16233    \null
16234    \vskip 2em%
16235    \begin{center}%
16236      \let \footnote \thanks
16237      {\LARGE \TitleFont \@title \par}%
16238      \vskip 1.5em%
16239      {\large \TitleFont
16240        \lineskip .5em%
16241        \begin{tabular}[t]{c}%
16242          \@author
16243        \end{tabular}\par}%
16244      \vskip 1em%
16245      {\large \TitleFont \@date}%
16246    \end{center}%
16247    \par
16248    \vskip 1.5em}
16249  \fi

```



## 101 File rapport3-xetex-bidi.def

```
16250 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
16251 \renewenvironment{theindex}{%
16252   \if@twocolumn
16253     \@restonecolfalse
16254   \else
16255     \@restonecoltrue
16256   \fi
16257   \columnseprule \z@
16258   \columnsep 35\p@
16259   \twocolumn[\@makeschapterhead{\indexname}]%
16260   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
16261   \thispagestyle{plain}\parindent\z@
16262   \parskip\z@ \@plus .3\p@\relax
16263   \let\item\@idxitem
16264 }{%
16265   \if@restonecol\onecolumn\else\clearpage\fi}
16266 \if@titlepage
16267 \renewcommand*{\TitleFont}{\rmfamily}
16268 \renewcommand*{\maketitle}{%
16269   \begin{titlepage}%
16270     \let\footnotesize\small
16271     \let\right@footnoterule\relax
16272     \let\left@footnoterule\relax
16273     \let\textwidth@footnoterule\relax
16274     \let \footnote \thanks
16275     \let \LTRfootnote \LTRthanks
16276     \let \RTLfootnote \RTLthanks
16277     \long\def\@makefnmark##1{\parindent\z@
16278       \def\labelitemi{\textendash}\@revlabeltrue
16279       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
16280     \renewcommand*{\thefootnote}{\@fnsymbol\c@footnote}%
16281     \if@compatibility\setcounter{page}{0}\fi
16282     \null\vfil
16283     \vskip 60\p@
16284     \begin{center}%
16285       \TitleFont
16286       {\LARGE \def\\{\penalty -\@M}
16287         \if@allcaps
16288           \expandafter\uc@nothanks\@title\thanks\relax
16289         \else
16290           \@title
16291         \fi\par}%
16292     \vskip 3em%
16293     {\large
16294       \lineskip .75em \parindent\z@
16295       \begin{tabular}[t]{c}%
16296         \if@allcaps
16297           \expandafter\uc@authornothanks\@author\and\relax
```





```

16298         \else
16299             \@author
16300         \fi
16301     \end{tabular}\par}%
16302     \vskip 1.5em%
16303     {\large
16304         \if@allcaps
16305             \uppercase\expandafter{\@date}%
16306         \else
16307             \@date
16308         \fi\par}%
16309     \end{center}\par
16310     \@thanks
16311     \vfil\null
16312 \end{titlepage}%
16313 \setcounter{footnote}{0}%
16314 \global\let\thanks\relax
16315 \global\let\LTRthanks\relax
16316 \global\let\RTLthanks\relax
16317 \global\let\maketitle\relax
16318 \global\let\@thanks\@empty
16319 \global\let\@author\@empty
16320 \global\let\@title\@empty
16321 \global\let\@date\@empty
16322 \global\let\title\relax
16323 \global\let\author\relax
16324 \global\let\date\relax
16325 \global\let\and\relax
16326 }
16327 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
16328 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
16329     \futurelet\@tempa\uc@ax}
16330 \def\uc@ax{%
16331     \ifx\@tempa\relax
16332     \else
16333         \\\andname \\\expandafter\uc@authornothanks
16334     \fi}
16335 \def\uc@tx{\ifx\@tempa\relax
16336     \else \expandafter\uc@ty \fi}
16337 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
16338 \else
16339 \renewcommand*\maketitle{\par
16340     \begin{group}
16341         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16342         \def\@makefnmark{\rlap{%
16343             \@textsuperscript{\normalfont\@thefnmark}}}%
16344         \long\def\@makefntext{\@xmakefntext{%
16345             \@textsuperscript{\normalfont\@thefnmark}}}%
16346         \if@twocolumn
16347             \ifnum \col@number=\@ne

```



```

16348         \@maketitle
16349     \else
16350         \twocolumn[\@maketitle]%
16351     \fi
16352 \else
16353     \newpage
16354     \global\@topnum\z@
16355     \@maketitle
16356 \fi
16357 \thispagestyle{plain}\@thanks
16358 \endgroup
16359 \setcounter{footnote}{0}%
16360 \global\let\thanks\relax
16361 \global\let\LTRthanks\relax
16362 \global\let\RTLthanks\relax
16363 \global\let\maketitle\relax
16364 \global\let\@maketitle\relax
16365 \global\let\@thanks\@empty
16366 \global\let\@author\@empty
16367 \global\let\@title\@empty
16368 \global\let\@date\@empty
16369 \global\let\title\relax
16370 \global\let\author\relax
16371 \global\let\date\relax
16372 \global\let\and\relax
16373 }
16374 \def\@maketitle{%
16375     \newpage
16376     \null
16377     \vskip 2em%
16378     \if@titlecentered
16379         \begin{center}%
16380             \let \footnote \thanks
16381             \let \LTRfootnote \LTRthanks
16382             \let \RTLfootnote \RTLthanks
16383             {\LARGE \TitleFont \@title \par}%
16384             \vskip 1.5em%
16385             {\large \TitleFont
16386               \lineskip .5em%
16387               \begin{tabular}[t]{c}%
16388                 \@author
16389               \end{tabular}\par}%
16390             \vskip 1em%
16391             {\large \TitleFont \@date}%
16392         \end{center}%
16393     \else
16394         {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
16395         {\large \TitleFont \lineskip .5em \tabcolsep\z@
16396           \def\and{%%} \begin{tabular} has already started
16397           \end{tabular}\hskip 1em plus .17fil

```



```

16398             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
16399             \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\p
16400             \vskip 1em {\large \TitleFont \@date}
16401     \fi
16402     \par
16403     \vskip 1.5em}
16404 \fi
16405 \renewcommand*\@regtocline[3]{%
16406     \ifnum #1>\c@tocdepth
16407     \else
16408         \vskip\z@\@plus.2\p@
16409         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
16410         \if@RTL\righskip\else\leftskip\fi\unitindent
16411         \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
16412         \parfillskip\z@
16413         \@tempdima\unitindent
16414         \parindent\z@
16415         \leavevmode
16416         \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
16417         \hskip 1em \nobreak{\slshape #3}\par
16418         }%
16419     \fi}
16420 \if@oldtoc
16421 \renewcommand*\l@part[2]{%
16422     \ifnum \c@tocdepth >-2\relax
16423         \addpenalty{-\@highpenalty}%
16424         \addvspace{2.25em \@plus\p@}%
16425         \begingroup
16426             \setlength\@tempdima{3em}%
16427             \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
16428             \parfillskip -\@pnumwidth
16429             {\leavevmode
16430                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16431             \nobreak
16432             \global\@nobreaktrue
16433             \everypar{\global\@nobreakfalse\everypar{}}%
16434         \endgroup
16435     \fi}
16436 \else
16437 \renewcommand*\l@part{%
16438     \ifnum \c@tocdepth >-2\relax
16439         \addpenalty{-\@highpenalty}%
16440         \addvspace{2.25em \@plus \p@}%
16441         \@regtocline{0}%
16442     \fi}
16443 \fi
16444 \if@oldtoc
16445 \renewcommand*\l@chapter[2]{%
16446     \addpenalty{-\@highpenalty}%
16447     \vskip 1.0em \@plus\p@

```



```

16448 \setlength\@tempdima{1.5em}%
16449 \beginngroup
16450 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16451 \parfillskip -\@pnumwidth
16452 \leavevmode \bfseries
16453 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16454 \hskip -\if@RTL\rightskip\else\leftskip\fi
16455 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16456 \penalty\@highpenalty
16457 \endgroup}
16458 \else
16459 \renewcommand*\l@chapter{\@regtocline{0}}
16460 \fi
16461 \renewcommand*\head@style{%
16462 \interlinepenalty \@M
16463 \hyphenpenalty=\@M \exhyphenpenalty=\@M
16464 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16465 \if@titlepage
16466 \renewenvironment{abstract}{%
16467 \titlepage
16468 \null\vfil
16469 \section*\SectFont\abstractname}%
16470 \noindent\ignorespaces}
16471 {\par\vfil\null\endtitlepage}
16472 \else
16473 \renewenvironment{abstract}{%
16474 \if@twocolumn
16475 \section*\abstractname}%
16476 \else
16477 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16478 \section*\small\SectFont\abstractname}%
16479 \noindent\ignorespaces
16480 \fi}
16481 {\if@twocolumn\else\par\egroup\fi}
16482 \fi
16483 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16484 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16485 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16486 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16487 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16488 \renewcommand*\thefigure{%
16489 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
16490 \renewcommand*\thetable{%
16491 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16492 \renewcommand*\theequation{%
16493 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
16494 \renewenvironment{thebibliography}[1]
16495 {\chapter*\bibname}%
16496 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16497 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi

```



```

16498 \bidi@thebibliography@font@hook%
16499 \list{\@biblabel{\@arabic\c@enumiv}}%
16500 {\settowidth\labelwidth{\@biblabel{#1}}%
16501 \leftmargin\labelwidth
16502 \advance\leftmargin\labelsep
16503 \@openbib@code
16504 \usecounter{enumiv}%
16505 \let\p@enumiv\@empty
16506 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16507 \sloppy\clubpenalty4000\widowpenalty4000%
16508 \sfcode`.\@m}
16509 {\def\@noitemerr
16510 {\@latex@warning{Empty `thebibliography' environment}}%
16511 \endlist}
16512 \renewcommand*\left@footnoterule{%
16513 \kern-3\p@
16514 \kern.5\baselineskip
16515 \hrule\@width\unitindent
16516 \kern.4\baselineskip
16517 }
16518 \renewcommand*\right@footnoterule{%
16519 \kern-3\p@
16520 \kern.5\baselineskip
16521 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16522 \kern.4\baselineskip}
16523 \renewcommand*\head@style{%
16524 \interlinepenalty \@M
16525 \hyphenpenalty=\@M \exhyphenpenalty=\@M
16526 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

## 102 File refrep-xetex-bidi.def

```

16527 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for XeLaTeX]
16528 \if@titlepage
16529 \renewcommand\maketitle{\begin{titlepage}%
16530 \let\footnotesize\small
16531 \let\right@footnoterule\relax
16532 \let\left@footnoterule\relax
16533 \let\textwidth@footnoterule\relax
16534 \let\footnote\thanks
16535 \let\LTRfootnote\LTRthanks
16536 \let\RTLfootnote\RTLthanks
16537 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16538 \def\@makefnmark%
16539 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16540 \long\def\@makefntext##1{%
16541 \setpar{\@par
16542 \tempdima = \hsize
16543 \advance\tempdima -1em
16544 \parshape \@ne 1em \tempdima}%

```



```

16545     \par\parindent 1em \noindent
16546     \hb@xt@\z@\{ \hss \@textsuperscript{\normalfont\@thefnmark}\,}##1}
16547 \null\vfil
16548 \vskip 60\p@
16549 \begin{center}%
16550   {\LARGE \@title \par}%
16551   \vskip 3em%
16552   {\large
16553     \lineskip .75em%
16554     \begin{tabular}[t]{c}%
16555       \@author
16556     \end{tabular}\par}%
16557   \vskip 1.5em%
16558   {\large \@date \par}%           % Set date in \large size.
16559 \end{center}\par
16560 \@thanks
16561 \vfil\null
16562 \end{titlepage}%
16563 \setcounter{footnote}{0}%
16564 \global\let\thanks\relax
16565 \global\let\LTRthanks\relax
16566 \global\let\RTLthanks\relax
16567 \global\let\maketitle\relax
16568 \global\let\@thanks\@empty
16569 \global\let\@author\@empty
16570 \global\let\@date\@empty
16571 \global\let\@title\@empty
16572 \global\let\title\relax
16573 \global\let\author\relax
16574 \global\let\date\relax
16575 \global\let\and\relax
16576 }
16577 \else
16578 \renewcommand\maketitle{\par
16579   \begingroup
16580     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16581     \def\@makefnmark%
16582       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16583     \long\def\@makefntext##1{%
16584       \@setpar{\@par
16585         \@tempdima = \hsize
16586         \advance\@tempdima -1em
16587         \parshape \@ne 1em \@tempdima}%
16588       \par\parindent 1em \noindent
16589       \hb@xt@\z@\{ \hss \@textsuperscript{\normalfont\@thefnmark}\,}##1}
16590     \if@twocolumn
16591       \ifnum \col@number=\@ne
16592         \@maketitle
16593       \else
16594         \twocolumn[\@maketitle]%

```



```

16595     \fi
16596   \else
16597     \newpage
16598     \global\@topnum\z@    % Prevents figures from going at top of page.
16599     \@maketitle
16600   \fi
16601   \thispagestyle{empty}\@thanks
16602 \endgroup
16603 \setcounter{footnote}{0}%
16604 \global\let\thanks\relax
16605 \global\let\LTRthanks\relax
16606 \global\let\RTLthanks\relax
16607 \global\let\maketitle\relax
16608 \global\let\@maketitle\relax
16609 \global\let\@thanks\@empty
16610 \global\let\@author\@empty
16611 \global\let\@date\@empty
16612 \global\let\@title\@empty
16613 \global\let\title\relax
16614 \global\let\author\relax
16615 \global\let\date\relax
16616 \global\let\and\relax
16617 }
16618 \def\@maketitle{%
16619   \newpage
16620   \null
16621   \longthickrule\vskip1.5em%
16622   \let \footnote \thanks
16623   \let \LTRfootnote \LTRthanks
16624   \let \RTLfootnote \RTLthanks
16625   {\secshape \parskip\z@ \parindent\z@
16626   \Large\bfseries \@title \par}%
16627   \vskip1.5em\longthickrule\vskip1.5em%
16628   {\normalsize
16629     \lineskip .5em%
16630     \begin{flushright}%
16631       {\slshape\@author\par}
16632       \vskip 1em%
16633       {\@date}%
16634     \end{flushright}\par}%
16635   \vskip 1.5em}
16636 \fi
16637 \renewcommand*\l@part[2]{%
16638   \ifnum \c@tocdepth >-2\relax
16639     \addpenalty{-\@highpenalty}%
16640     \addvspace{2.25em \@plus\p@}%
16641     \begingroup
16642       \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
16643       \parfillskip -\@pnumwidth
16644       {\leavevmode

```



```

16645 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16646 \nobreak
16647 \global\@nobreaktrue
16648 \everypar{\global\@nobreakfalse\everypar{}}%
16649 \endgroup
16650 \fi}
16651 \renewcommand*\l@chapter[2]{%
16652 \ifnum \c@tocdepth >\m@ne
16653 \addpenalty{-\@highpenalty}%
16654 \vskip 1.0em \@plus\p@
16655 \setlength\@tempdima{1.5em}%
16656 \begingroup
16657 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16658 \parfillskip -\@pnumwidth
16659 \leavevmode \bfseries
16660 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16661 \hskip -\if@RTL\rightskip\else\leftskip\fi
16662 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16663 \penalty\@highpenalty
16664 \endgroup
16665 \fi}
16666 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16667 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16668 \hyphenpenalty=2000}
16669 \renewcommand\left@footnoterule{%
16670 \kern-3\p@
16671 \hrule\@width.4\columnwidth
16672 \kern 2.6\p@}
16673 \renewcommand\right@footnoterule{%
16674 \kern-3\p@
16675 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16676 \kern2.6\p@}
16677 \renewcommand\theequation
16678 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16679 \renewcommand\thefigure
16680 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16681 \renewcommand\thetable%
16682 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16683 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16684 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
16685 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\csubsubsection}
16686 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\cparagraph}
16687 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
16688 \renewenvironment{thebibliography}[1]
16689 {\chapter*{\bibname
16690 \mkboth{\bibname}{\bibname}}%
16691 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16692 \bidi@thebibliography@font@hook%
16693 \list{\@biblabel{\@arabic\c@enumiv}}%
16694 {\settowidth\labelwidth{\@biblabel{#1}}%

```





```

16695         \leftmargin\labelwidth
16696         \advance\leftmargin\labelsep
16697         \@openbib@code
16698         \usecounter{enumiv}%
16699         \let\p@enumiv\@empty
16700         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16701         \sloppy
16702         \clubpenalty4000
16703         \@clubpenalty \clubpenalty
16704         \widowpenalty4000%
16705     \sfcode`\.=\@m}
16706 { \def\@noitemerr
16707   {\@latex@warning{Empty `thebibliography' environment}}%
16708   \endlist}

```

### 103 File report-xetex-bidi.def

```

16709 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
16710 \renewenvironment{theindex}
16711   { \if@twocolumn
16712     \@restonecolfalse
16713     \else
16714       \@restonecoltrue
16715     \fi
16716     \columnseprule \z@
16717     \columnsep 35\p@
16718     \twocolumn[\@makeschapterhead{\indexname}]%
16719     \@mkboth{\MakeUppercase\indexname}%
16720              {\MakeUppercase\indexname}%
16721     \thispagestyle{plain}\parindent\z@
16722     \parskip\z@ \@plus .3\p@\relax
16723     \let\item\@idxitem}
16724   { \if@restonecol\onecolumn\else\clearpage\fi}
16725 \if@titlepage
16726   \renewcommand\maketitle{\begin{titlepage}%
16727     \let\footnotesize\small
16728     \let\right@footnoterule\relax
16729     \let\left@footnoterule\relax
16730     \let\textwidth\footnoterule\relax
16731     \let \footnote \thanks
16732     \let \LTRfootnote \LTRthanks
16733     \let \RTLfootnote \RTLthanks
16734     \null\vfil
16735     \vskip 60\p@
16736     \begin{center}%
16737       {\LARGE \@title \par}%
16738       \vskip 3em%
16739       {\large
16740         \lineskip .75em%
16741         \begin{tabular}[t]{c}%

```



```

16742         \@author
16743         \end{tabular}\par}%
16744         \vskip 1.5em%
16745         {\large \@date \par}%           % Set date in \large size.
16746     \end{center}\par
16747     \@thanks
16748     \vfil\null
16749     \end{titlepage}%
16750     \setcounter{footnote}{0}%
16751     \global\let\thanks\relax
16752     \global\let\LTRthanks\relax
16753     \global\let\RTLthanks\relax
16754     \global\let\maketitle\relax
16755     \global\let\@thanks\@empty
16756     \global\let\@author\@empty
16757     \global\let\@date\@empty
16758     \global\let\@title\@empty
16759     \global\let\title\relax
16760     \global\let\author\relax
16761     \global\let\date\relax
16762     \global\let\and\relax
16763 }
16764 \else
16765 \renewcommand\maketitle{\par
16766   \begingroup
16767     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16768     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16769     \long\def\@makefntext##1{\parindent 1em\noindent
16770       \hb@xt@1.8em{%
16771         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16772     \if@twocolumn
16773       \ifnum \col@number=\@ne
16774         \@maketitle
16775       \else
16776         \twocolumn[\@maketitle]%
16777       \fi
16778     \else
16779       \newpage
16780       \global\@topnum\z@    % Prevents figures from going at top of page.
16781       \@maketitle
16782     \fi
16783     \thispagestyle{plain}\@thanks
16784   \endgroup
16785   \setcounter{footnote}{0}%
16786   \global\let\thanks\relax
16787   \global\let\LTRthanks\relax
16788   \global\let\RTLthanks\relax
16789   \global\let\maketitle\relax
16790   \global\let\@maketitle\relax
16791   \global\let\@thanks\@empty

```



```

16792 \global\let\@author\@empty
16793 \global\let\@date\@empty
16794 \global\let\@title\@empty
16795 \global\let\title\relax
16796 \global\let\author\relax
16797 \global\let\date\relax
16798 \global\let\and\relax
16799 }
16800 \def\@maketitle{%
16801   \newpage
16802   \null
16803   \vskip 2em%
16804   \begin{center}%
16805     \let \footnote \thanks
16806     \let \LTRfootnote \LTRthanks
16807     \let \RTLfootnote \RTLthanks
16808     {\LARGE \@title \par}%
16809     \vskip 1.5em%
16810     {\large
16811       \lineskip .5em%
16812       \begin{tabular}[t]{c}%
16813         \@author
16814       \end{tabular}\par}%
16815     \vskip 1em%
16816     {\large \@date}%
16817   \end{center}%
16818   \par
16819   \vskip 1.5em}
16820 \fi
16821 \renewcommand*\l@part[2]{%
16822   \ifnum \c@tocdepth >-2\relax
16823     \addpenalty{-\@highpenalty}%
16824     \addvspace{2.25em \@plus\p}%
16825     \setlength\@tempdima{3em}%
16826     \begin{group}
16827       \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
16828       \parfillskip -\@pnumwidth
16829       {\leavevmode
16830         \large \bfseries #1\hfil \hbxt@\@pnumwidth{\hss #2}}\par
16831       \nobreak
16832       \global\@nbreaktrue
16833       \everypar{\global\@nbreakfalse\everypar{}}%
16834     \end{group}
16835   \fi}
16836 \renewcommand*\l@chapter[2]{%
16837   \ifnum \c@tocdepth >\m@ne
16838     \addpenalty{-\@highpenalty}%
16839     \vskip 1.0em \@plus\p@
16840     \setlength\@tempdima{1.5em}%
16841     \begin{group}

```



```

16842 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16843 \parfillskip -\@pnumwidth
16844 \leavevmode \bfseries
16845 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16846 \hskip -\if@RTL\rightskip\else\leftskip\fi
16847 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16848 \penalty\@highpenalty
16849 \endgroup
16850 \fi}
16851 \renewcommand\left@footnoterule{%
16852 \kern-3\p@
16853 \hrule\@width.4\columnwidth
16854 \kern2.6\p@}
16855 \renewcommand\right@footnoterule{%
16856 \kern-3\p@
16857 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16858 \kern2.6\p@}
16859 \renewcommand\theequation
16860 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16861 \renewcommand \thefigure
16862 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16863 \renewcommand \thetable
16864 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16865 \renewcommand \thechapter {\@arabic\c@chapter}
16866 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16867 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16868 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
16869 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16870 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16871 \def\@makechapterhead#1{%
16872 \vspace*{50\p@}%
16873 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16874 \ifnum \c@secnumdepth >\m@ne
16875 \huge\bfseries \@chapapp\space \thechapter
16876 \par\nobreak
16877 \vskip 20\p@
16878 \fi
16879 \interlinepenalty\@M
16880 \Huge \bfseries #1\par\nobreak
16881 \vskip 40\p@
16882 }}
16883 \def\@makeschapterhead#1{%
16884 \vspace*{50\p@}%
16885 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16886 \normalfont
16887 \interlinepenalty\@M
16888 \Huge \bfseries #1\par\nobreak
16889 \vskip 40\p@
16890 }}
16891 \renewenvironment{thebibliography}[1]

```



```

16892 {\\chapter*{\\bibname}}%
16893 \\mkboth{\\MakeUppercase\\bibname}{\\MakeUppercase\\bibname}%
16894 \\ifRTL\\ifLTRbibitems\\RTLfalse\\else\\fi\\else\\ifRTLbibitems\\RTLtrue\\else\\fi\\fi
16895 \\bidi@thebibliography@font@hook%
16896 \\list{\\@biblabel{\\@arabic\\c@enumiv}}}%
16897 {\\settowidth\\labelwidth{\\@biblabel{#1}}%
16898 \\leftmargin\\labelwidth
16899 \\advance\\leftmargin\\labelsep
16900 \\openbib@code
16901 \\usecounter{enumiv}%
16902 \\let\\p@enumiv\\empty
16903 \\renewcommand\\theenumiv{\\@arabic\\c@enumiv}}}%
16904 \\sloppy
16905 \\clubpenalty4000
16906 \\@clubpenalty \\clubpenalty
16907 \\widowpenalty4000%
16908 \\sfcode`\\.\\@m}
16909 {\\def\\@noitemerr
16910 {\\@latex@warning{Empty `thebibliography' environment}}}%
16911 \\endlist}

```

## 104 File rotating-xetex-bidi.def

```

16912 \\ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16913 \\def\\end@rotfloat{%
16914   \\end{minipage}\\end{lrbox}%
16915   \\stepcounter{r@tfl@t}%
16916   \\rot@label{RF\\ther@tfl@t}%
16917   \\rot@pageref{RF\\ther@tfl@t}{\\R@@page}%
16918   \\edef\\@tempa{Adding sideways \\@capytype\\space on page \\R@@page\\space}
16919   \\rot@mess@toks\\expandafter{\\@tempa}
16920   \\wd\\rot@float@box\\z@
16921   \\ht\\rot@float@box\\z@
16922   \\dp\\rot@float@box\\z@
16923   \\vboxL to \\textheight{%
16924     \\setkeys{Grot}{units=360}%
16925     \\if@rot@twoside
16926     \\else
16927       \\let\\R@@page\\rot@LR
16928     \\fi
16929     \\ifthenelse{\\isodd{\\R@@page}}{\\fi
16930       \\if@rot@twoside
16931         \\rot@mess@toks\\expandafter{\\the\\rot@mess@toks (right hand page)}%
16932       \\fi
16933       \\vfill
16934       \\@@line{%
16935         \\hskip\\rotFPtop
16936         \\rotatebox{90}{\\box\\rot@float@box}%
16937         \\hskip\\rotFPbot
16938       }%

```



```

16939 }{%
16940   \if@rot@twoside
16941     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16942   \fi
16943   @@line{%
16944     \hskip\rotFPbot
16945     \rotatebox{-90}{\box\rot@float@box}%
16946     \hskip\rotFPtop
16947   }%
16948   \vfill
16949 }%
16950 \rot@message{\the\rot@mess@toks}
16951 }%
16952 \end@float
16953 }
16954 \let\endsidewaysfigure\end@rotfloat
16955 \let\endsidewaystable\end@rotfloat
16956 \def\end@rotdblfloat{%
16957   \end{minipage}\end{lrbox}%
16958   \stepcounter{r@tfl@t}%
16959   \rot@label{RF\ther@tfl@t}%
16960   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16961   \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16962   \rot@mess@toks\expandafter{\@tempa}
16963   \@tempdima\ht\rot@float@box
16964   \advance\@tempdima by \dp\rot@float@box
16965   \wd\rot@float@box\z@
16966   \ht\rot@float@box\z@
16967   \dp\rot@float@box\z@
16968   \vboxL to \textheight{%
16969     \setkeys{Grot}{units=360}%
16970     \if@rot@twoside
16971     \else
16972       \let\R@@page\rot@LR
16973     \fi
16974     \ifthenelse{\isodd{\R@@page}}{%
16975       \ifrot@messages
16976         \if@rot@twoside
16977         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16978       \fi
16979       \fi
16980       \vfill
16981       @@line{%
16982         \hskip\rotFPtop
16983         \rotatebox{90}{\box\rot@float@box}%
16984         \hskip\rotFPbot
16985       }%
16986     }{%
16987       \ifrot@messages
16988       \if@rot@twoside

```



```

16989 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
16990 \fi
16991     \fi%
16992     \@@line{%
16993         \hskip\rotFPbot
16994         \rotatebox{-90}{\box\rot@float@box}%
16995         \hskip\rotFPtop
16996     }%
16997     \vfill
16998 }%
16999 \rot@message{\the\rot@mess@toks}%
17000 }%
17001 \end@dblfloat
17002 }
17003 \def\turn#1{%
17004     \Grot@setangle{#1}%
17005     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
17006 \def\endturn{%
17007     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
17008     \unskip\color@endbox
17009     \Grot@x\z@
17010     \Grot@y\z@
17011     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17012 }
17013 \def\rotate#1{%
17014     \Grot@setangle{#1}%
17015     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
17016 \def\endrotate{%
17017     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
17018     \unskip\color@endbox
17019     \Grot@x\z@
17020     \Grot@y\z@
17021     \wd0\z@\dp0\z@\ht0\z@
17022     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17023 }
17024 \def\turnbox#1#2{%
17025     \Grot@setangle{#1}%
17026     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
17027     \Grot@x\z@\Grot@y\z@
17028     \wd0\z@\dp0\z@\ht0\z@
17029     \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17030 }
17031 \def\sideways{%
17032     \Grot@setangle{90}%
17033     \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
17034 \def\endsideways{%
17035     \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
17036     \unskip\color@endbox
17037     \Grot@x\z@
17038     \Grot@y\z@

```



```

17039 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
17040 }

```

## 105 File scrartcl-xetex-bidi.def

```

17041 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
17042 \newcommand{\scr@saved@LTRfootnotetext}{}
17043 \newcommand{\scr@saved@RTLfootnotetext}{}
17044 \let\scr@saved@footnotetext\@footnotetext
17045 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17046 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17047 \renewcommand{\@footnotetext}[1]{%
17048   \scr@saved@footnotetext{#1}%
17049   \csname FN@mfb@prepare\endcsname
17050 }
17051 \renewcommand{\@LTRfootnotetext}[1]{%
17052   \scr@saved@LTRfootnotetext{#1}%
17053   \csname FN@mfb@prepare\endcsname
17054 }
17055 \renewcommand{\@RTLfootnotetext}[1]{%
17056   \scr@saved@RTLfootnotetext{#1}%
17057   \csname FN@mfb@prepare\endcsname
17058 }
17059 \renewcommand\deffootnote[4][1]{%
17060   \long\def\@makefnmark##1{%
17061     \setlength{\@tempdimc}{#3}%
17062     \def\@tempa{#1}\ifx\@tempa\@empty
17063       \setpar{\@par
17064         \@tempdima = \hsize
17065         \addtolength{\@tempdima}{-#2}%
17066         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17067       \else
17068         \addtolength{\@tempdimc}{#2}%
17069         \addtolength{\@tempdimc}{-#1}%
17070         \setpar{\@par
17071           \@tempdima = \hsize
17072           \addtolength{\@tempdima}{-#1}%
17073           \@tempdimb = \hsize
17074           \addtolength{\@tempdimb}{-#2}%
17075           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17076         }%
17077       \fi
17078       \par
17079       \parindent\@tempdimc\noindent
17080       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17081     }%
17082     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17083   }
17084 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17085 \renewcommand*\left@footnoterule{%

```





```

17086 \normalsize\ftn@rule@test@values
17087 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17088 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17089 {\usekomafont{footnoterule}{%
17090   \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17091 \kern 2.6\p@}
17092 \renewcommand*\right@footnoterule{%
17093   \normalsize\ftn@rule@test@values
17094   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17095   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17096   {\usekomafont{footnoterule}{%
17097     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17098     \kern 2.6\p@}
17099   \renewcommand*\maketitle[1][1]{%
17100     \if@titlepage
17101       \begin{titlepage}
17102         \setcounter{page}{%
17103           #1%
17104         }%
17105         \let\footnotesize\small
17106         \let\right@footnoterule\relax
17107         \let\left@footnoterule\relax
17108         \let\textwidth\footnoterule\relax
17109         \let\footnote\thanks
17110         \let\LTRfootnote\LTRthanks
17111         \let\RTLfootnote\RTLthanks
17112         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17113         \let\@oldmakefnmark\@makefnmark
17114         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
17115         \ifx\@extratitle\@empty \else
17116           \noindent\@extratitle\next@tpage\cleardoubleemptypage
17117           \thispagestyle{empty}%
17118         \fi
17119         \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
17120         \ifx\@titlehead\@empty \else
17121           \begin{minipage}[t]{\textwidth}%
17122             \@titlehead
17123           \end{minipage}\par
17124         \fi
17125         \null\vfill
17126         \begin{center}
17127           \ifx\@subject\@empty \else
17128             {\subject@font \@subject \par}%
17129             \vskip 3em
17130           \fi
17131           {\titlefont\huge \@title\par}%
17132           \vskip 1em
17133           {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17134           \vskip 2em
17135           {\Large \lineskip 0.75em

```



```

17136         \begin{tabular}[t]{c}
17137             \@author
17138         \end{tabular}\par
17139     }%
17140     \vskip 1.5em
17141     {\Large \@date \par}%
17142     \vskip \z@ \@plus3fill
17143     {\Large \@publishers \par}%
17144     \vskip 3em
17145 \end{center}\par
17146 \@thanks
17147 \vfill\null
17148 \if@twoside\next@tpage
17149     \begin{minipage}[t]{\textwidth}
17150         \@uppertitleback
17151     \end{minipage}\par
17152     \vfill
17153     \begin{minipage}[b]{\textwidth}
17154         \@lowertitleback
17155     \end{minipage}
17156 \fi
17157 \ifx\@dedication\@empty \else
17158     \next@tpage\null\vfill
17159     {\centering \Large \@dedication \par}%
17160     \vskip \z@ \@plus3fill
17161     \if@twoside \next@tpage\cleardoubleemptypage \fi
17162 \fi
17163 \end{titlepage}
17164 \else
17165     \par
17166     \@tempcnta=
17167     #1%
17168     \relax\ifnum\@tempcnta=1\else
17169         \ClassWarning{\KOMAClassName}{%
17170             Optional argument of \string\maketitle\space ignored
17171             at\MessageBreak
17172             notitlepage-mode%
17173         }%
17174     \fi
17175 \begingroup
17176     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17177     \let\@oldmakefnmark\@makefnmark
17178     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
17179     \if@twocolumn
17180         \ifnum \col@number=\@one
17181             \@maketitle
17182         \else
17183             \twocolumn[\@maketitle]%
17184         \fi
17185     \else

```



```

17186         \newpage
17187         \global\@topnum\z@
17188         \@maketitle
17189     \fi
17190     \thispagestyle{\titlepagestyle}\@thanks
17191 \endgroup
17192 \fi
17193 \setcounter{footnote}{0}%
17194 \let\thanks\relax
17195 \let\LTRthanks\relax
17196 \let\RTLthanks\relax
17197 \let\maketitle\relax
17198 \let\@maketitle\relax
17199 \global\let\@thanks\@empty
17200 \global\let\@author\@empty
17201 \global\let\@date\@empty
17202 \global\let\@title\@empty
17203 \global\let\@subtitle\@empty
17204 \global\let\@extratitle\@empty
17205 \global\let\@titlehead\@empty
17206 \global\let\@subject\@empty
17207 \global\let\@publishers\@empty
17208 \global\let\@uppertitleback\@empty
17209 \global\let\@lowertitleback\@empty
17210 \global\let\@dedication\@empty
17211 \global\let\author\relax
17212 \global\let\title\relax
17213 \global\let\extratitle\relax
17214 \global\let\titlehead\relax
17215 \global\let\subject\relax
17216 \global\let\publishers\relax
17217 \global\let\uppertitleback\relax
17218 \global\let\lowertitleback\relax
17219 \global\let\dedication\relax
17220 \global\let\date\relax
17221 \global\let\and\relax
17222 }%
17223 \renewcommand*{\@maketitle}{%
17224     \clearpage
17225     \let\footnote\thanks
17226     \let\LTRfootnote\LTRthanks
17227     \let\RTLfootnote\RTLthanks
17228     \ifx\@extratitle\@empty \else
17229         \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17230     \fi
17231     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17232     \ifx\@titlehead\@empty \else
17233         \begin{minipage}[t]{\textwidth}
17234             \@titlehead
17235         \end{minipage}\par

```



```

17236 \fi
17237 \null
17238 \vskip 2em%
17239 \begin{center}%
17240 \ifx\@subject\@empty \else
17241   {\subject@font \@subject \par}
17242   \vskip 1.5em
17243 \fi
17244 {\titlefont\huge \@title \par}%
17245 \vskip .5em
17246 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17247 \vskip 1em
17248 {\Large
17249   \lineskip .5em%
17250   \begin{tabular}[t]{c}
17251     \@author
17252   \end{tabular}\par
17253 }%
17254 \vskip 1em%
17255 {\Large \@date \par}%
17256 \vskip \z@ \@plus 1em
17257 {\Large \@publishers \par}
17258 \ifx\@dedication\@empty \else
17259   \vskip 2em
17260   {\Large \@dedication \par}
17261 \fi
17262 \end{center}%
17263 \par
17264 \vskip 2em
17265 }%
17266 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17267 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
17268 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17269 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17270 \renewcommand*{\thesubsubsection}{%
17271   \thesubsection\@SepMark\@arabic\c@subsubsection
17272 }
17273 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17274 \renewcommand*{\thesubparagraph}{%
17275   \theparagraph\@SepMark\@arabic\c@subparagraph
17276 }
17277 \renewenvironment{thebibliography}[1]{%
17278   \if@bib@break@
17279     \bib@beginhook
17280   \else
17281     \bib@heading
17282     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17283       \noindent\bibpreamble\par\nobreak
17284     \fi\fi
17285     \bib@beginhook

```



```

17286 \bib@before@hook
17287 \fi
17288 \renewcommand{\BreakBibliography}[1]{%
17289 \@bib@break
17290 \end{thebibliography}%
17291 \begingroup ##1\endgroup
17292 \begin{thebibliography}{#1}
17293 }%
17294 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17295 \bidi@thebibliography@font@hook%
17296 \list{%
17297 \@biblabel{\@arabic\c@enumiv}%
17298 }{%
17299 \settowidth\labelwidth{\@biblabel{#1}}%
17300 \leftmargin\labelwidth
17301 \advance\leftmargin\labelsep
17302 \@openbib@code
17303 \if@bib@break@
17304 \edef\@tempa{%
17305 \noexpand\usecounter{enumiv}%
17306 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17307 }\@tempa
17308 \no@bib@break
17309 \else
17310 \usecounter{enumiv}%
17311 \fi
17312 \let\p@enumiv\@empty
17313 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17314 }%
17315 \sloppy\clubpenalty4000 \widowpenalty4000
17316 \sfcode`\.=\@m
17317 }{%
17318 \if@bib@break@
17319 \def\@noitemerr{%
17320 \@latex@warning{%
17321 \string\BreakBibliography\space at begin of `thebibliography'
17322 environment\MessageBreak
17323 or following \string\BreakBibliography}%
17324 }%
17325 \else
17326 \def\@noitemerr{%
17327 \@latex@warning{%
17328 Empty `thebibliography' environment or
17329 \string\BreakBibliography\MessageBreak
17330 before end of `thebibliography' environment}%
17331 }%
17332 \fi
17333 \endlist
17334 \if@bib@break@
17335 \else

```



```

17336 \bib@after@hook
17337 \let\bib@before@hook\@empty
17338 \let\bib@after@hook\@empty
17339 \fi
17340 \bib@endhook
17341 }
17342 \renewcommand*\left@footnoterule{%
17343 \kern-3\p@
17344 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17345 \hrule\@width.4\columnwidth
17346 \kern 2.6\p@}
17347 \renewcommand*\right@footnoterule{%
17348 \kern-3\p@
17349 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17350 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17351 \kern2.6\p@}
17352 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17353 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17354 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17355 \renewcommand\marginline[1]{%
17356 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17357 }
17358 \renewcommand{\@makecaption}[3]{%
17359 \cap@margin
17360 \ifonelinecaptions
17361 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17362 \let\scr@tmp@footnotetext=\@footnotetext
17363 \let\@footnotetext=\@gobble
17364 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17365 \let\@LTRfootnotetext=\@gobble
17366 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17367 \let\@RTLfootnotetext=\@gobble
17368 \sbox\@tempboxa{%
17369 {\capfont{\strut\ignorespaces
17370 #1{\caplabelfont{#2\captionformat}}}%
17371 #3\unskip\strut}}%
17372 }%
17373 \let\@footnotetext=\scr@tmp@footnotetext
17374 \let\scr@tmp@footnotetext=\undefined
17375 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17376 \let\scr@tmp@LTRfootnotetext=\undefined
17377 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17378 \let\scr@tmp@RTLfootnotetext=\undefined
17379 \setcounter{footnote}{\@tempcntb}%
17380 \setcounter{mpfootnote}{\@tempcnta}%
17381 \else
17382 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17383 \fi
17384 \begingroup%
17385 \setlength{\@tempdima}{\cap@width}%

```



```

17386 \ifdim \wd\@tempboxa >\@tempdima
17387 \hb@xt@\hsize{%
17388 \setbox\@tempboxa\vbox{\hsize=\cap@width
17389 \ifdofullc@p
17390 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17391 #1{\caplabelfont{#2\captionformat}}}}}%
17392 {#3\unskip\strut\par}}}%
17393 \else%
17394 \ifdim\cap@indent<\z@
17395 {\capfont{\strut\ignorespaces
17396 #1{\caplabelfont{#2\captionformat\par}}}%
17397 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17398 \else%
17399 \if@capbreak
17400 {\capfont{\strut\ignorespaces
17401 #1{\caplabelfont{#2\captionformat\par}}}%
17402 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17403 \else
17404 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17405 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17406 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17407 \fi
17408 \fi
17409 \fi
17410 }%
17411 \setlength{\@tempdima}{\ht\@tempboxa}%
17412 \addtolength{\@tempdima}{\dp\@tempboxa}%
17413 \addtolength{\@tempdima}{-\ht\strutbox}%
17414 \ht\@tempboxa\ht\strutbox
17415 \dp\@tempboxa\@tempdima
17416 \strut\cap@left
17417 \box\@tempboxa
17418 \cap@right\strut
17419 }%
17420 \else
17421 \global \@minipagefalse
17422 \sbox\@tempboxa{%
17423 {\capfont{\scr@smashdp{\strut\ignorespaces
17424 #1{\caplabelfont{#2\captionformat}}}}}%
17425 #3}%
17426 }%
17427 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
17428 \fi
17429 \endgroup
17430 }
17431 \renewcommand{\@makecaption}[2]{%
17432 \if@captionabove
17433 \vskip\belowcaptionskip
17434 \else
17435 \vskip\abovecaptionskip

```



```

17436 \fi
17437 \@@makecaption\@firstofone{#1}{#2}%
17438 \if@captionabove
17439 \vskip\abovecaptionskip
17440 \else
17441 \vskip\belowcaptionskip
17442 \fi
17443 }
17444 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17445 \ifpackageloaded{caption2}{\@komalongtablefalse
17446 \scr@caption@before@longtable@warning{caption2}%
17447 }{}%
17448 \if@komalongtable
17449 \renewcommand{\LT@makecaption}[3]{%
17450 \noalign{%
17451 \if@captionabove
17452 \vskip\belowcaptionskip
17453 \else
17454 \vskip\abovecaptionskip
17455 \fi
17456 }%
17457 \LT@mcol\LT@cols c{%
17458 \hbox to\z@{\hss\parbox[t]{linewidth{%
17459 \@@makecaption{#1}{#2}{#3}%
17460 \endgraf
17461 \if@captionabove
17462 \vskip\abovecaptionskip
17463 \else
17464 \vskip\belowcaptionskip
17465 \fi
17466 }%
17467 \hss
17468 }%
17469 }%
17470 }%
17471 \renewcommand*{\scr@LT@array}{}%
17472 \let\scr@LT@array=\LT@array
17473 \renewcommand*{\LT@array}{%
17474 \let\scr@caption=\LT@caption
17475 \def\captionabove{\noalign{\global\@captionabovetrue}%
17476 \scr@caption}%
17477 \def\captionbelow{\noalign{\global\@captionabovetrue}%
17478 \scr@caption}%
17479 \if@tablecaptionabove
17480 \let\LT@caption=\captionabove
17481 \else
17482 \let\LT@caption=\captionbelow
17483 \fi
17484 \scr@LT@array
17485 }%

```





```

17486 \ClassInfo{\KOMAClassName}{%
17487     longtable captions redefined%
17488 }%
17489 \fi
17490 }
17491
17492 \CloneTOCEntryStyle{tocline}{part}
17493 \TOCEntryStyleStartInitCode{part}{%
17494     \expandafter\renewcommand%
17495     \csname scr@tso@#1@linefill\endcsname{\hfill}%
17496     \expandafter\renewcommand%
17497     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17498     \expandafter\renewcommand%
17499     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17500         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17501     \expandafter\renewcommand\expandafter*%
17502     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
17503 }
17504
17505 \CloneTOCEntryStyle{tocline}{section}
17506 \TOCEntryStyleStartInitCode{section}{%
17507     \expandafter\renewcommand%
17508     \csname scr@tso@#1@linefill\endcsname{%
17509         \if@sectionentrywithdots
17510             \TOCLineLeaderFill\relax
17511         \else
17512             \hfill
17513         \fi
17514     }%
17515     % F^~fcr die Eintr~e4ge die Schrift von Element sectionentry verwenden.
17516     \expandafter\renewcommand%
17517     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
17518     \expandafter\renewcommand%
17519     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se
17520     \expandafter\renewcommand\expandafter*%
17521     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
17522 }
17523
17524 \CloneTOCEntryStyle{tocline}{subsection}
17525 \TOCEntryStyleStartInitCode{subsection}{%
17526     \expandafter\renewcommand%
17527     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17528 }
17529
17530 \CloneTOCEntryStyle{subsection}{default}
17531
17532 \DeclareSectionCommand[%
17533     style=part,%
17534     level=\z@,%
17535     tocstyle=part,%

```



```

17536 toplevel=\m@ne,%
17537 tocindent=\z@,%
17538 tocnumwidth=2em%
17539]{part}
17540\DeclareSectionCommand[%
17541 style=section,%
17542 level=1,%
17543 indent=\z@,%
17544 beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17545 afterskip=2.3ex \@plus .2ex,%
17546 tocstyle=section,%
17547 tocindent=0pt,%
17548 tocnumwidth=1.5em%
17549]{section}
17550\DeclareSectionCommand[%
17551 style=section,%
17552 level=2,%
17553 indent=\z@,%
17554 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17555 afterskip=1.5ex \@plus .2ex,%
17556 tocstyle=subsection,%
17557 tocindent=1.5em,%
17558 tocnumwidth=2.3em%
17559]{subsection}
17560\DeclareSectionCommand[%
17561 style=section,%
17562 level=3,%
17563 indent=\z@,%
17564 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17565 afterskip=1.5ex \@plus .2ex,%
17566 tocstyle=subsection,%
17567 tocindent=3.8em,%
17568 tocnumwidth=3.2em%
17569]{subsubsection}
17570\DeclareSectionCommand[%
17571 style=section,%
17572 level=4,%
17573 indent=\z@,%
17574 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17575 afterskip=-1em,%
17576 tocstyle=subsection,%
17577 tocindent=7.0em,%
17578 tocnumwidth=4.1em%
17579]{paragraph}
17580\DeclareSectionCommand[%
17581 style=section,%
17582 level=5,%
17583 indent=\scr@parindent,%
17584 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17585 afterskip=-1em,%

```



```

17586   tocstyle=subsection,%
17587   tocindent=10em,%
17588   tocnumwidth=5em%
17589 }{subparagraph}

```

## 106 File scrbook-xetex-bidi.def

```

17590 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for X
17591 \newcommand{\scr@saved@LTRfootnotetext}{}
17592 \newcommand{\scr@saved@RTLfootnotetext}{}
17593 \let\scr@saved@footnotetext\@footnotetext
17594 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17595 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17596 \renewcommand{\@footnotetext}[1]{%
17597   \scr@saved@footnotetext{#1}%
17598   \csname FN@mfb@prepare\endcsname
17599 }
17600 \renewcommand{\@LTRfootnotetext}[1]{%
17601   \scr@saved@LTRfootnotetext{#1}%
17602   \csname FN@mfb@prepare\endcsname
17603 }
17604 \renewcommand{\@RTLfootnotetext}[1]{%
17605   \scr@saved@RTLfootnotetext{#1}%
17606   \csname FN@mfb@prepare\endcsname
17607 }
17608 \renewcommand\deffootnote[4][]{%
17609   \long\def\@makefnmark##1{%
17610     \setlength{\@tempdimc}{#3}%
17611     \def\@tempa{#1}\ifx\@tempa\@empty
17612       \setpar{\@par
17613         \@tempdima = \hsize
17614         \addtolength{\@tempdima}{-#2}%
17615         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17616     \else
17617       \addtolength{\@tempdimc}{#2}%
17618       \addtolength{\@tempdimc}{-#1}%
17619       \setpar{\@par
17620         \@tempdima = \hsize
17621         \addtolength{\@tempdima}{-#1}%
17622         \@tempdimb = \hsize
17623         \addtolength{\@tempdimb}{-#2}%
17624         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17625       }%
17626     \fi
17627     \par
17628     \parindent\@tempdimc\noindent
17629     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17630   }%
17631   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17632 }

```



```

17633 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17634 \renewcommand*\left@footnoterule{%
17635   \normalsize\ftn@rule@test@values
17636   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17637   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17638   {\usekomafont{footnoterule}{%
17639     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17640   \kern 2.6\p@}
17641 \renewcommand*\right@footnoterule{%
17642   \normalsize\ftn@rule@test@values
17643   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17644   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17645   {\usekomafont{footnoterule}{%
17646     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17647     \kern 2.6\p@}
17648 \renewcommand*\maketitle[1][1]{%
17649   \if@titlepage
17650     \begin{titlepage}
17651       \setcounter{page}{%
17652         #1%
17653       }%
17654       \let\footnotesize\small
17655       \let\right@footnoterule\relax
17656       \let\left@footnoterule\relax
17657       \let\textwidth@footnoterule\relax
17658       \let\footnote\thanks
17659       \let\LTRfootnote\LTRthanks
17660       \let\RTLfootnote\RTLthanks
17661       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17662       \let\@oldmakefnmark\@makefnmark
17663       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
17664       \ifx\@extratitle\@empty \else
17665         \noindent\@extratitle\next@tpage\cleardoubleemptypage
17666         \thispagestyle{empty}%
17667       \fi
17668       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17669       \ifx\@titlehead\@empty \else
17670         \begin{minipage}[t]{\textwidth}%
17671           \@titlehead
17672         \end{minipage}\par
17673       \fi
17674       \null\vfill
17675       \begin{center}
17676         \ifx\@subject\@empty \else
17677           {\subject@font \@subject \par}%
17678           \vskip 3em
17679         \fi
17680         {\titlefont\huge \@title\par}%
17681         \vskip 1em
17682         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%

```



```

17683      \vskip 2em
17684      {\Large \lineskip 0.75em
17685       \begin{tabular}[t]{c}
17686        \@author
17687       \end{tabular}}\par
17688      }%
17689      \vskip 1.5em
17690      {\Large \@date \par}%
17691      \vskip \z@ \@plus3fill
17692      {\Large \@publishers \par}%
17693      \vskip 3em
17694      \end{center}}\par
17695      \@thanks
17696      \vfill\null
17697      \if@twoside\next@tpage
17698       \begin{minipage}[t]{\textwidth}
17699        \@uppertitleback
17700       \end{minipage}\par
17701       \vfill
17702       \begin{minipage}[b]{\textwidth}
17703        \@lowertitleback
17704       \end{minipage}
17705      \fi
17706      \ifx\@dedication\@empty \else
17707       \next@tpage\null\vfill
17708       {\centering \Large \@dedication \par}%
17709       \vskip \z@ \@plus3fill
17710       \if@twoside \next@tpage\cleardoubleemptypage \fi
17711      \fi
17712      \end{titlepage}
17713 \else
17714   \par
17715   \@tempcnta=%
17716   #1%
17717   \relax\ifnum\@tempcnta=1\else
17718    \ClassWarning{\KOMAClassName}{%
17719     Optional argument of \string\maketitle\space ignored
17720     at\MessageBreak
17721     notitlepage-mode%
17722    }%
17723   \fi
17724   \begingroup
17725    \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17726    \let\@oldmakefnmark\@makefnmark
17727    \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
17728    \if@twocolumn
17729     \ifnum \col@number=\@ne
17730      \@maketitle
17731     \else
17732      \twocolumn[\@maketitle]%

```



```

17733     \fi
17734   \else
17735     \newpage
17736     \global\@topnum\z@
17737     \@maketitle
17738   \fi
17739   \thispagestyle{\titlepagestyle}\@thanks
17740 \endgroup
17741 \fi
17742 \setcounter{footnote}{0}%
17743 \let\thanks\relax
17744 \let\LTRthanks\relax
17745 \let\RTLthanks\relax
17746 \let\maketitle\relax
17747 \let\@maketitle\relax
17748 \global\let\@thanks\@empty
17749 \global\let\@author\@empty
17750 \global\let\@date\@empty
17751 \global\let\@title\@empty
17752 \global\let\@subtitle\@empty
17753 \global\let\@extratitle\@empty
17754 \global\let\@titlehead\@empty
17755 \global\let\@subject\@empty
17756 \global\let\@publishers\@empty
17757 \global\let\@uppertitleback\@empty
17758 \global\let\@lowertitleback\@empty
17759 \global\let\@dedication\@empty
17760 \global\let\author\relax
17761 \global\let\title\relax
17762 \global\let\extratitle\relax
17763 \global\let\titlehead\relax
17764 \global\let\subject\relax
17765 \global\let\publishers\relax
17766 \global\let\uppertitleback\relax
17767 \global\let\lowertitleback\relax
17768 \global\let\dedication\relax
17769 \global\let\date\relax
17770 \global\let\and\relax
17771 }%
17772 \renewcommand*{\@maketitle}{%
17773   \clearpage
17774   \let\footnote\thanks
17775   \let\LTRfootnote\LTRthanks
17776   \let\RTLfootnote\RTLthanks
17777   \ifx\@extratitle\@empty \else
17778     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17779   \fi
17780   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17781   \ifx\@titlehead\@empty \else
17782     \begin{minipage}[t]{\textwidth}

```



```

17783 \titlehead
17784 \end{minipage}\par
17785 \fi
17786 \null
17787 \vskip 2em%
17788 \begin{center}%
17789 \ifx\@subject\@empty \else
17790 {\subject@font \@subject \par}
17791 \vskip 1.5em
17792 \fi
17793 {\titlefont\huge \@title \par}%
17794 \vskip .5em
17795 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17796 \vskip 1em
17797 {\Large
17798 \lineskip .5em%
17799 \begin{tabular}[t]{c}
17800 \@author
17801 \end{tabular}\par
17802 }%
17803 \vskip 1em%
17804 {\Large \@date \par}%
17805 \vskip \z@ \@plus 1em
17806 {\Large \@publishers \par}
17807 \ifx\@dedication\@empty \else
17808 \vskip 2em
17809 {\Large \@dedication \par}
17810 \fi
17811 \end{center}%
17812 \par
17813 \vskip 2em
17814 }%
17815 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17816 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17817 \renewcommand*\thesection{%
17818 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17819 \if@mainmatter\thechapter\@SepMark\fi
17820 \else
17821 \thechapter\@SepMark%
17822 \fi
17823 \@arabic\c@section
17824 }
17825 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17826 \renewcommand*{\thesubsubsection}{%
17827 \thesubsection\@SepMark\@arabic\c@subsubsection
17828 }
17829 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17830 \renewcommand*{\thesubparagraph}{%
17831 \theparagraph\@SepMark\@arabic\c@subparagraph
17832 }

```



```

17833 \renewcommand*\thefigure{%
17834   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17835     \if@mainmatter\thechapter\@SepMark\fi
17836   \else
17837     \thechapter\@SepMark%
17838   \fi
17839   \@arabic\c@figure
17840 }
17841 \renewcommand*\thetable{%
17842   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17843     \if@mainmatter\thechapter\@SepMark\fi
17844   \else
17845     \thechapter\@SepMark%
17846   \fi
17847   \@arabic\c@table
17848 }
17849 \renewcommand*\theequation{%
17850   \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17851     \if@mainmatter\thechapter\@SepMark\fi
17852   \else
17853     \thechapter\@SepMark%
17854   \fi
17855   \@arabic\c@equation
17856 }
17857 \renewenvironment{thebibliography}[1]{%
17858   \if@bib@break@
17859     \bib@beginhook
17860   \else
17861     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17862       \setchapterpreamble{\bibpreamble}%
17863     \fi\fi
17864     \bib@heading
17865     \bib@beginhook
17866     \bib@before@hook
17867   \fi
17868   \renewcommand{\BreakBibliography}[1]{%
17869     \@bib@break
17870     \end{thebibliography}%
17871     \begingroup ##1\endgroup
17872     \begin{thebibliography}{#1}
17873   }%
17874   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17875   \bidi@thebibliography@font@hook%
17876   \list{%
17877     \@biblabel{\@arabic\c@enumiv}%
17878   }{%
17879     \settowidth\labelwidth{\@biblabel{#1}}%
17880     \leftmargin\labelwidth
17881     \advance\leftmargin\labelsep
17882     \@openbib@code

```





```

17883 \if@bib@break@
17884 \edef\@tempa{%
17885     \noexpand\usecounter{enumiv}%
17886     \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17887 } \@tempa
17888 \no@bib@break
17889 \else
17890     \usecounter{enumiv}%
17891 \fi
17892 \let\p@enumiv\@empty
17893 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17894 }%
17895 \sloppy\clubpenalty4000 \widowpenalty4000
17896 \sfcode`\.=\@m
17897 }{%
17898 \if@bib@break@
17899     \def\@noitemerr{%
17900         \@latex@warning{%
17901             \string\BreakBibliography\space at begin of `thebibliography'
17902             environment\MessageBreak
17903             or following \string\BreakBibliography}%
17904         }%
17905     \else
17906         \def\@noitemerr{%
17907             \@latex@warning{%
17908                 Empty `thebibliography' environment or
17909                 \string\BreakBibliography\MessageBreak
17910                 before end of `thebibliography' environment}%
17911             }%
17912         \fi
17913     \endlist
17914 \if@bib@break@
17915 \else
17916     \bib@after@hook
17917     \let\bib@before@hook\@empty
17918     \let\bib@after@hook\@empty
17919 \fi
17920 \bib@endhook
17921 }
17922 \renewcommand*\left@footnoterule{%
17923     \kern-3\p@
17924     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17925     \hrule\@width.4\columnwidth
17926     \kern 2.6\p@}
17927 \renewcommand*\right@footnoterule{%
17928     \kern-3\p@
17929     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17930     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17931     \kern2.6\p@}
17932 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}

```



```

17933 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17934 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17935 \renewcommand\marginline[1]{%
17936   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17937 }
17938 \renewcommand{\@@makecaption}[3]{%
17939   \cap@margin
17940   \ifonelinecaptions
17941     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17942     \let\scr@tmp@footnotetext=\@footnotetext
17943     \let\@footnotetext=\@gobble
17944     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17945     \let\@LTRfootnotetext=\@gobble
17946     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17947     \let\@RTLfootnotetext=\@gobble
17948     \sbox\@tempboxa{%
17949       {\capfont{\strut\ignorespaces
17950         #1{\caplabelfont{#2\captionformat}}}%
17951         #3\unskip\strut}}%
17952     }%
17953     \let\@footnotetext=\scr@tmp@footnotetext
17954     \let\scr@tmp@footnotetext=\undefined
17955     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17956     \let\scr@tmp@LTRfootnotetext=\undefined
17957     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17958     \let\scr@tmp@RTLfootnotetext=\undefined
17959     \setcounter{footnote}{\@tempcntb}%
17960     \setcounter{mpfootnote}{\@tempcnta}%
17961   \else
17962     \sbox\@tempboxa{\hspace*{2\cap@width}}%
17963   \fi
17964   \begingroup%
17965     \setlength{\@tempdima}{\cap@width}%
17966     \ifdim \wd\@tempboxa >\@tempdima
17967       \hb@xt@\hsize{%
17968         \setbox\@tempboxa\vbox{\hsize=\cap@width
17969           \ifdofullc@p
17970             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17971               #1{\caplabelfont{#2\captionformat}}}}}%
17972               #3\unskip\strut\par}}}%
17973       \else%
17974         \ifdim\cap@indent<\z@
17975           {\capfont{\strut\ignorespaces
17976             #1{\caplabelfont{#2\captionformat\par}}}%
17977             \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17978         \else%
17979           \if@capbreak
17980             {\capfont{\strut\ignorespaces
17981               #1{\caplabelfont{#2\captionformat\par}}}%
17982               \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%

```



```

17983         \else
17984             {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
17985              {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17986               {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17987         \fi
17988     \fi
17989     \fi
17990 }%
17991 \setlength{\@tempdima}{\ht\@tempboxa}%
17992 \addtolength{\@tempdima}{\dp\@tempboxa}%
17993 \addtolength{\@tempdima}{-\ht\strutbox}%
17994 \ht\@tempboxa\ht\strutbox
17995 \dp\@tempboxa\@tempdima
17996 \strut\cap@left
17997 \box\@tempboxa
17998 \cap@right\strut
17999 }%
18000 \else
18001     \global \@minipagefalse
18002     \sbox\@tempboxa{%
18003         {\capfont{\scr@smashdp{\strut\ignorespaces
18004          #1{\caplabelfont{#2\captionformat}}}}}%
18005         #3}}}%
18006     }%
18007     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}}%
18008     \fi
18009 \endgroup
18010 }
18011 \renewcommand{\@makecaption}[2]{%
18012     \if@captionabove
18013         \vskip\belowcaptionskip
18014     \else
18015         \vskip\abovecaptionskip
18016     \fi
18017     @@makecaption\@firstofone{#1}{#2}%
18018     \if@captionabove
18019         \vskip\abovecaptionskip
18020     \else
18021         \vskip\belowcaptionskip
18022     \fi
18023 }
18024 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18025     \@ifpackageloaded{caption2}{\@komalongtablefalse
18026     \scr@caption@before@longtable@warning{caption2}%
18027     }{}%
18028     \if@komalongtable
18029         \renewcommand{\LT@makecaption}[3]{%
18030             \noalign{%
18031                 \if@captionabove
18032                     \vskip\belowcaptionskip

```



```

18033         \else
18034             \vskip\abovecaptionskip
18035         \fi
18036     }%
18037     \LT@mcol\LT@cols c{%
18038         \hbox to\z@{\hss\parbox[t]{\linewidth{%
18039             \@makecaption{#1}{#2}{#3}%
18040             \endgraf
18041             \if@captionabove
18042                 \vskip\abovecaptionskip
18043             \else
18044                 \vskip\belowcaptionskip
18045             \fi
18046         }%
18047         \hss
18048     }%
18049 }%
18050 }%
18051 \renewcommand*{\scr@LT@array}{}%
18052 \let\scr@LT@array=\LT@array
18053 \renewcommand*{\LT@array}{%
18054     \let\scr@caption=\LT@caption
18055     \def\captionabove{\noalign{\global\@captionabovetrue}%
18056         \scr@caption}%
18057     \def\captionbelow{\noalign{\global\@captionabovetrue}%
18058         \scr@caption}%
18059     \if@tablecaptionabove
18060         \let\LT@caption=\captionabove
18061     \else
18062         \let\LT@caption=\captionbelow
18063     \fi
18064     \scr@LT@array
18065 }%
18066 \ClassInfo{\KOMAClassName}{%
18067     longtable captions redefined%
18068 }%
18069 \fi
18070 }
18071
18072 \CloneTOCEntryStyle{tocline}{part}
18073 \TOCEntryStyleStartInitCode{part}{%
18074     \expandafter\renewcommand%
18075     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18076     \expandafter\renewcommand%
18077     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18078     \expandafter\renewcommand%
18079     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18080         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18081     \expandafter\renewcommand\expandafter*%
18082     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%

```



```

18083 }
18084
18085 \CloneTOCEntryStyle{tocline}{chapter}
18086 \TOCEntryStyleStartInitCode{chapter}{%
18087   \expandafter\renewcommand%
18088   \csname scr@tso@#1@linefill\endcsname{%
18089     \if@chapterentrywithdots
18090       \TOCLineLeaderFill\relax
18091     \else
18092       \hfill
18093     \fi
18094   }%
18095   \expandafter\renewcommand%
18096   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18097   \expandafter\renewcommand%
18098   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18099     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18100   \expandafter\renewcommand\expandafter*%
18101   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18102 }
18103
18104 \CloneTOCEntryStyle{tocline}{section}
18105 \TOCEntryStyleStartInitCode{section}{%
18106   \expandafter\renewcommand%
18107   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18108 }
18109
18110 \CloneTOCEntryStyle{section}{default}
18111
18112 \DeclareSectionCommand[%
18113   style=part,%
18114   level=\m@ne,%
18115   pagestyle=plain,%
18116   tocstyle=part,%
18117   toplevel=\m@ne,%
18118   tocindent=\z@,%
18119   tocnumwidth=2em%
18120 ]{part}
18121 \DeclareSectionCommand[%
18122   style=chapter,%
18123   level=\z@,%
18124   pagestyle=plain,%
18125   tocstyle=chapter,%
18126   tocindent=\z@,%
18127   tocnumwidth=1.5em%
18128 ]{chapter}
18129 \DeclareSectionCommand[%
18130   style=section,%
18131   level=1,%
18132   indent=\z@,%

```



```

18133 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
18134 afterskip=2.3ex \@plus .2ex,%
18135 tocstyle=section,%
18136 tocindent=1.5em,%
18137 tocnumwidth=2.3em%
18138]{section}
18139\DeclareSectionCommand[%
18140 style=section,%
18141 level=2,%
18142 indent=\z@,%
18143 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
18144 afterskip=1.5ex \@plus .2ex,%
18145 tocstyle=section,%
18146 tocindent=3.8em,%
18147 tocnumwidth=3.2em%
18148]{subsection}
18149\DeclareSectionCommand[%
18150 style=section,%
18151 level=3,%
18152 indent=\z@,%
18153 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
18154 afterskip=1.5ex \@plus .2ex,%
18155 tocstyle=section,%
18156 tocindent=7.0em,%
18157 tocnumwidth=4.1em%
18158]{subsubsection}
18159\DeclareSectionCommand[%
18160 style=section,%
18161 level=4,%
18162 indent=\z@,%
18163 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
18164 afterskip=-1em,%
18165 tocstyle=section,%
18166 tocindent=10em,%
18167 tocnumwidth=5em%
18168]{paragraph}
18169\DeclareSectionCommand[%
18170 style=section,%
18171 level=5,%
18172 indent=\scr@parindent,%
18173 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
18174 afterskip=-1em,%
18175 tocstyle=section,%
18176 tocindent=12em,%
18177 tocnumwidth=6em%
18178]{subparagraph}
18179
18180

```



## 107 File scrlettr-xetex-bidi.def

```

18181 \ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
18182 \renewcommand\deffootnote[4][]{%
18183   \long\def\@makefnmark##1{%
18184     \edef\@tempa{##1}\ifx\@tempa\@empty
18185       \setpar{\@par
18186         \@tempdima = \hsize
18187         \addtolength{\@tempdima}{-#2}
18188         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
18189       \else
18190         \setpar{\@par
18191           \@tempdima = \hsize
18192           \addtolength{\@tempdima}{-#1}
18193           \@tempdimb = \hsize
18194           \addtolength{\@tempdimb}{-#2}
18195           \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
18196         \fi
18197       \par
18198       \parindent #3\noindent
18199       \hbox to \z@{\hss\@makefnmark}##1}
18200     \def\@makefnmark{\hbox{##4}}
18201   }
18202   \deffootnote[1em]{1.5em}{1em}
18203   {\textsuperscript{\thefootnotemark}}
18204   \def\left@footnoterule{\kern-1\p@
18205     \hrule width 0.4\columnwidth
18206     \kern .6\p@}
18207   \def\right@footnoterule{%
18208     \kern-1\p@
18209     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18210     \kern .6\p@}
18211   \def\@datefield{\@reffalse
18212     \ifx\varyourref\@empty \else \@reftrue \fi
18213     \ifx\varyourmail\@empty \else \@reftrue \fi
18214     \ifx\varmyref\@empty \else \@reftrue \fi
18215     \ifx\varcustomer\@empty \else \@reftrue \fi
18216     \ifx\varinvoice\@empty \else \@reftrue \fi
18217     \ifx\varrefitemi\@empty \else \@reftrue \fi
18218     \ifx\varrefitemii\@empty \else \@reftrue \fi
18219     \ifx\varrefitemiii\@empty \else \@reftrue \fi
18220     \vskip -\parskip
18221     \vskip \refvskip
18222     \if@ref
18223       \ifx\varyourref\@empty \else
18224         \settowidth{\sc@temp}{\varyourref}
18225         \setbox0\hbox{\scriptsize \sf \yourrefname}
18226         \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18227         \parbox[t]{\sc@temp}{\noindent \box0\par \varyourref}\hfill
18228       \fi

```



```

18229 \ifx\varyourmail\@empty \else
18230 \settowidth{\sc@temp}{\varyourmail}
18231 \setbox0\hbox{\scriptsize \sf \yourmailname}
18232 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18233 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
18234 \fi
18235 \ifx\varmyref\@empty \else
18236 \settowidth{\sc@temp}{\varmyref}
18237 \setbox0\hbox{\scriptsize \sf \myrefname}
18238 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18239 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
18240 \fi
18241 \ifx\varcustomer\@empty \else
18242 \settowidth{\sc@temp}{\varcustomer}
18243 \setbox0\hbox{\scriptsize \sf \customername}
18244 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18245 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
18246 \fi
18247 \ifx\varinvoice\@empty \else
18248 \settowidth{\sc@temp}{\varinvoice}
18249 \setbox0\hbox{\scriptsize \sf \invoicename}
18250 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18251 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
18252 \fi
18253 \ifx\varrefitemi\@empty \else
18254 \settowidth{\sc@temp}{\varrefitemi}
18255 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
18256 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18257 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
18258 \fi
18259 \ifx\varrefitemii\@empty \else
18260 \settowidth{\sc@temp}{\varrefitemii}
18261 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
18262 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18263 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
18264 \fi
18265 \ifx\varrefitemiii\@empty \else
18266 \settowidth{\sc@temp}{\varrefitemiii}
18267 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
18268 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18269 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
18270 \fi
18271 \ifx\@date\@empty \else
18272 \settowidth{\sc@temp}{\@date}
18273 \setbox0\hbox{\scriptsize \sf \datename}
18274 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18275 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
18276 \fi
18277 \par
18278 \vspace{2.5\baselineskip}

```





```

18279 \else
18280 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
18281 \vspace{1.5\baselineskip}
18282 \fi}
18283 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
18284 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
18285 -\sigindent \hspace{\sigindent}}%
18286 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@sk
18287 \fromsig\strut}\par
18288 \vspace{1.5\baselineskip}}

```

## 108 File scrreprt-xetex-bidi.def

```

18289 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
18290 \newcommand{\scr@saved@LTRfootnotetext}{}
18291 \newcommand{\scr@saved@RTLfootnotetext}{}
18292 \let\scr@saved@footnotetext\@footnotetext
18293 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18294 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18295 \renewcommand{\@footnotetext}[1]{%
18296 \scr@saved@footnotetext{#1}%
18297 \csname FN@mfp@prepare\endcsname
18298 }
18299 \renewcommand{\@LTRfootnotetext}[1]{%
18300 \scr@saved@LTRfootnotetext{#1}%
18301 \csname FN@mfp@prepare\endcsname
18302 }
18303 \renewcommand{\@RTLfootnotetext}[1]{%
18304 \scr@saved@RTLfootnotetext{#1}%
18305 \csname FN@mfp@prepare\endcsname
18306 }
18307 \renewcommand\deffootnote[4][1]{%
18308 \long\def\@makefn#1{%
18309 \setlength{\@tempdimc}{#3}%
18310 \def\@tempa{#1}\ifx\@tempa\@empty
18311 \setpar{\@par
18312 \@tempdima = \hsize
18313 \addtolength{\@tempdima}{-#2}%
18314 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
18315 \else
18316 \addtolength{\@tempdimc}{#2}%
18317 \addtolength{\@tempdimc}{-#1}%
18318 \setpar{\@par
18319 \@tempdima = \hsize
18320 \addtolength{\@tempdima}{-#1}%
18321 \@tempdimb = \hsize
18322 \addtolength{\@tempdimb}{-#2}%
18323 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
18324 }%
18325 \fi

```



```

18326 \par
18327 \parindent\@tempdimc\noindent
18328 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18329 }%
18330 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
18331 }
18332 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18333 \renewcommand*\left@footnoterule{%
18334 \normalsize\ftn@rule@test@values
18335 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18336 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18337 {\usekomafont{footnoterule}{%
18338 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18339 \kern 2.6\p@}
18340 \renewcommand*\right@footnoterule{%
18341 \normalsize\ftn@rule@test@values
18342 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18343 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18344 {\usekomafont{footnoterule}{%
18345 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
18346 \kern 2.6\p@}
18347 \renewcommand*\maketitle[1][1]{%
18348 \if@titlepage
18349 \begin{titlepage}
18350 \setcounter{page}{%
18351 #1%
18352 }%
18353 \let\footnotesize\small
18354 \let\right@footnoterule\relax
18355 \let\left@footnoterule\relax
18356 \let\textwidth@footnoterule\relax
18357 \let\footnote\thanks
18358 \let\LTRfootnote\LTRthanks
18359 \let\RTLfootnote\RTLthanks
18360 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18361 \let\@oldmakefnmark\@makefnmark
18362 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
18363 \ifx\@extratitle\@empty \else
18364 \noindent\@extratitle\next@tpage\cleardoubleemptypage
18365 \thispagestyle{empty}%
18366 \fi
18367 \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
18368 \ifx\@titlehead\@empty \else
18369 \begin{minipage}[t]{\textwidth}%
18370 \@titlehead
18371 \end{minipage}\par
18372 \fi
18373 \null\vfill
18374 \begin{center}
18375 \ifx\@subject\@empty \else

```



```

18376         {\subject@font \@subject \par}%
18377         \vskip 3em
18378     \fi
18379     {\titlefont\huge \@title\par}%
18380     \vskip 1em
18381     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18382     \vskip 2em
18383     {\Large \lineskip 0.75em
18384       \begin{tabular}[t]{c}
18385         \@author
18386       \end{tabular}\par
18387     }%
18388     \vskip 1.5em
18389     {\Large \@date \par}%
18390     \vskip \z@ \@plus3fill
18391     {\Large \@publishers \par}%
18392     \vskip 3em
18393     \end{center}\par
18394     \@thanks
18395     \vfill\null
18396     \if@twoside\next@tpage
18397       \begin{minipage}[t]{\textwidth}
18398         \@uppertitleback
18399       \end{minipage}\par
18400       \vfill
18401       \begin{minipage}[b]{\textwidth}
18402         \@lowertitleback
18403       \end{minipage}
18404     \fi
18405     \ifx\@dedication\@empty \else
18406       \next@tpage\null\vfill
18407       {\centering \Large \@dedication \par}%
18408       \vskip \z@ \@plus3fill
18409       \if@twoside \next@tpage\cleardoubleemptypage \fi
18410     \fi
18411     \end{titlepage}
18412   \else
18413     \par
18414     \@tempcnta=
18415     #1%
18416     \relax\ifnum\@tempcnta=1\else
18417       \ClassWarning{KOMAClassName}{%
18418         Optional argument of \string\maketitle\space ignored
18419         at\MessageBreak
18420         notitlepage-mode%
18421       }%
18422     \fi
18423     \begingroup
18424       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18425       \let\@oldmakefnmark\makefnmark

```



```

18426 \renewcommand*{\@makefnmark}{\rlap{\oldmakefnmark}}
18427 \if@twocolumn
18428 \ifnum \col@number=\@ne
18429 \maketitle
18430 \else
18431 \twocolumn[\maketitle]%
18432 \fi
18433 \else
18434 \newpage
18435 \global\@topnum\z@
18436 \maketitle
18437 \fi
18438 \thispagestyle{\titlepagestyle}\@thanks
18439 \endgroup
18440 \fi
18441 \setcounter{footnote}{0}%
18442 \let\thanks\relax
18443 \let\LTRthanks\relax
18444 \let\RTLthanks\relax
18445 \let\maketitle\relax
18446 \let\@maketitle\relax
18447 \global\let\@thanks\@empty
18448 \global\let\@author\@empty
18449 \global\let\@date\@empty
18450 \global\let\@title\@empty
18451 \global\let\@subtitle\@empty
18452 \global\let\@extratitle\@empty
18453 \global\let\@titlehead\@empty
18454 \global\let\@subject\@empty
18455 \global\let\@publishers\@empty
18456 \global\let\@uppertitleback\@empty
18457 \global\let\@lowertitleback\@empty
18458 \global\let\@dedication\@empty
18459 \global\let\author\relax
18460 \global\let\title\relax
18461 \global\let\extratitle\relax
18462 \global\let\titlehead\relax
18463 \global\let\subject\relax
18464 \global\let\publishers\relax
18465 \global\let\uppertitleback\relax
18466 \global\let\lowertitleback\relax
18467 \global\let\dedication\relax
18468 \global\let\date\relax
18469 \global\let\and\relax
18470 }%
18471 \renewcommand*{\@maketitle}{%
18472 \clearpage
18473 \let\footnote\thanks
18474 \let\LTRfootnote\LTRthanks
18475 \let\RTLfootnote\RTLthanks

```



```

18476 \ifx\@extratitle\@empty \else
18477 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
18478 \fi
18479 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18480 \ifx\@titlehead\@empty \else
18481 \begin{minipage}[t]{\textwidth}
18482 \@titlehead
18483 \end{minipage}\par
18484 \fi
18485 \null
18486 \vskip 2em%
18487 \begin{center}%
18488 \ifx\@subject\@empty \else
18489 {\subject@font \@subject \par}
18490 \vskip 1.5em
18491 \fi
18492 {\titlefont\huge \@title \par}%
18493 \vskip .5em
18494 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18495 \vskip 1em
18496 {\Large
18497 \lineskip .5em%
18498 \begin{tabular}[t]{c}
18499 \@author
18500 \end{tabular}\par
18501 }%
18502 \vskip 1em%
18503 {\Large \@date \par}%
18504 \vskip \z@ \@plus 1em
18505 {\Large \@publishers \par}
18506 \ifx\@dedication\@empty \else
18507 \vskip 2em
18508 {\Large \@dedication \par}
18509 \fi
18510 \end{center}%
18511 \par
18512 \vskip 2em
18513 }%
18514 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18515 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
18516 \renewcommand*\thesection{%
18517 \thechapter\@SepMark%
18518 \@arabic\c@section
18519 }
18520 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
18521 \renewcommand*{\thesubsubsection}{%
18522 \thesubsection\@SepMark\@arabic\c@subsubsection
18523 }
18524 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18525 \renewcommand*{\thesubparagraph}{%

```



```

18526 \theparagraph\@SepMark\@arabic\c@subparagraph
18527 }
18528 \renewcommand*\thefigure{%
18529 \thechapter\@SepMark%
18530 \@arabic\c@figure
18531 }
18532 \renewcommand*\thetable{%
18533 \thechapter\@SepMark%
18534 \@arabic\c@table
18535 }
18536 \renewcommand*\theequation{%
18537 \thechapter\@SepMark%
18538 \@arabic\c@equation
18539 }
18540 \renewenvironment{thebibliography}[1]{%
18541 \if@bib@break@
18542 \bib@beginhook
18543 \else
18544 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18545 \setchapterpreamble{\bibpreamble}%
18546 \fi\fi
18547 \bib@heading
18548 \bib@beginhook
18549 \bib@before@hook
18550 \fi
18551 \renewcommand{\BreakBibliography}[1]{%
18552 \@bib@break
18553 \end{thebibliography}%
18554 \begingroup ##1\endgroup
18555 \begin{thebibliography}{#1}
18556 }%
18557 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18558 \bidi@thebibliography@font@hook%
18559 \list{%
18560 \@biblabel{\@arabic\c@enumiv}%
18561 }{%
18562 \settowidth\labelwidth{\@biblabel{#1}}%
18563 \leftmargin\labelwidth
18564 \advance\leftmargin\labelsep
18565 \@openbib@code
18566 \if@bib@break@
18567 \edef\@tempa{%
18568 \noexpand\usecounter{enumiv}%
18569 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18570 }\@tempa
18571 \no@bib@break
18572 \else
18573 \usecounter{enumiv}%
18574 \fi
18575 \let\p@enumiv\@empty

```



```

18576 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18577 }%
18578 \sloppy\clubpenalty4000 \widowpenalty4000
18579 \sfcode`\.=\@m
18580 }{%
18581 \if@bib@break@
18582 \def\@noitemerr{%
18583 \@latex@warning{%
18584 \string\BreakBibliography\space at begin of `thebibliography'
18585 environment\MessageBreak
18586 or following \string\BreakBibliography}%
18587 }%
18588 \else
18589 \def\@noitemerr{%
18590 \@latex@warning{%
18591 Empty `thebibliography' environment or
18592 \string\BreakBibliography\MessageBreak
18593 before end of `thebibliography' environment}%
18594 }%
18595 \fi
18596 \endlist
18597 \if@bib@break@
18598 \else
18599 \bib@after@hook
18600 \let\bib@before@hook\@empty
18601 \let\bib@after@hook\@empty
18602 \fi
18603 \bib@endhook
18604 }
18605 \renewcommand*\left@footnoterule{%
18606 \kern-3\p@
18607 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18608 \hrule\@width.4\columnwidth
18609 \kern 2.6\p@}
18610 \renewcommand*\right@footnoterule{%
18611 \kern-3\p@
18612 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18613 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18614 \kern2.6\p@}
18615 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
18616 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
18617 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
18618 \renewcommand\marginline[1]{%
18619 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18620 }
18621 \renewcommand{\@makecaption}[3]{%
18622 \cap@margin
18623 \ifonelinecaptions
18624 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18625 \let\scr@tmp@footnotetext=\@footnotetext

```



```

18626 \let\@footnotetext=\@gobble
18627 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18628 \let\@LTRfootnotetext=\@gobble
18629 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18630 \let\@RTLfootnotetext=\@gobble
18631 \sbox\@tempboxa{%
18632   {\capfont{\strut\ignorespaces
18633     #1{\caplabelfont{#2\captionformat}}}%
18634     #3\unskip\strut}}%
18635 }%
18636 \let\@footnotetext=\scr@tmp@footnotetext
18637 \let\scr@tmp@footnotetext=\undefined
18638 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18639 \let\scr@tmp@LTRfootnotetext=\undefined
18640 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18641 \let\scr@tmp@RTLfootnotetext=\undefined
18642 \setcounter{footnote}{\@tempcntb}%
18643 \setcounter{mpfootnote}{\@tempcnta}%
18644 \else
18645   \sbox\@tempboxa{\hspace*{2\cap@width}}%
18646 \fi
18647 \begingroup%
18648   \setlength{\@tempdima}{\cap@width}%
18649   \ifdim \wd\@tempboxa >\@tempdima
18650     \hb@xt@\hsize{%
18651       \setbox\@tempboxa\vbox{\hsize=\cap@width
18652         \ifdofullc@p
18653           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18654             #1{\caplabelfont{#2\captionformat}}}}}%
18655             {#3\unskip\strut\par}}}%
18656         \else%
18657           \ifdim\cap@indent<\z@
18658             {\capfont{\strut\ignorespaces
18659               #1{\caplabelfont{#2\captionformat\par}}}%
18660               \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
18661           \else%
18662             \if@capbreak
18663               {\capfont{\strut\ignorespaces
18664                 #1{\caplabelfont{#2\captionformat\par}}}%
18665                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
18666             \else
18667               {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
18668                 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18669                   {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
18670             \fi
18671           \fi
18672         \fi
18673     }%
18674     \setlength{\@tempdima}{\ht\@tempboxa}%
18675     \addtolength{\@tempdima}{\dp\@tempboxa}%

```





```

18676      \addtolength{\@tempdima}{-\ht\strutbox}%
18677      \ht\@tempboxa\ht\strutbox
18678      \dp\@tempboxa\@tempdima
18679      \strut\cap@left
18680      \box\@tempboxa
18681      \cap@right\strut
18682    }%
18683  \else
18684    \global \@minipagefalse
18685    \sbox\@tempboxa{%
18686      {\capfont{\scr@smashdp{\strut\ignorespaces
18687        #1{\caplabelfont{#2\captionformat}}}}}%
18688        #3}}%
18689    }%
18690    {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
18691  \fi
18692 \endgroup
18693 }
18694 \renewcommand{\@makecaption}[2]{%
18695   \if@captionabove
18696     \vskip\belowcaptionskip
18697   \else
18698     \vskip\abovecaptionskip
18699   \fi
18700   \@@makecaption\@firstofone{#1}{#2}%
18701   \if@captionabove
18702     \vskip\abovecaptionskip
18703   \else
18704     \vskip\belowcaptionskip
18705   \fi
18706 }
18707 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18708   \@ifpackageloaded{caption2}{\@komalongtablefalse
18709     \scr@caption@before@longtable@warning{caption2}}%
18710   }{}%
18711   \if@komalongtable
18712     \renewcommand{\LT@makecaption}[3]{%
18713       \noalign{%
18714         \if@captionabove
18715           \vskip\belowcaptionskip
18716         \else
18717           \vskip\abovecaptionskip
18718         \fi
18719       }%
18720       \LT@mcol\LT@cols c{%
18721         \hbox to\z@{\hss\parbox[t]{\linewidth{%
18722           \@@makecaption{#1}{#2}{#3}%
18723         \endgraf
18724         \if@captionabove
18725           \vskip\abovecaptionskip

```



```

18726         \else
18727             \vskip\belowcaptionskip
18728         \fi
18729     }%
18730     \hss
18731 }%
18732 }%
18733 }%
18734 \renewcommand*{\scr@LT@array}{}%
18735 \let\scr@LT@array=\LT@array
18736 \renewcommand*{\LT@array}{%
18737     \let\scr@caption=\LT@caption
18738     \def\captionabove{\noalign{\global\@captionabovetrue}%
18739         \scr@caption}%
18740     \def\captionbelow{\noalign{\global\@captionabovefalse}%
18741         \scr@caption}%
18742     \if@tablecaptionabove
18743         \let\LT@caption=\captionabove
18744     \else
18745         \let\LT@caption=\captionbelow
18746     \fi
18747     \scr@LT@array
18748 }%
18749 \ClassInfo{\KOMAClassName}{%
18750     longtable captions redefined%
18751 }%
18752 \fi
18753 }
18754
18755 \CloneTOCEntryStyle{tocline}{part}
18756 \TOCEntryStyleStartInitCode{part}{%
18757     \expandafter\renewcommand%
18758     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18759     \expandafter\renewcommand%
18760     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18761     \expandafter\renewcommand%
18762     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18763         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18764     \expandafter\renewcommand\expandafter*%
18765     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18766 }
18767
18768 \CloneTOCEntryStyle{tocline}{chapter}
18769 \TOCEntryStyleStartInitCode{chapter}{%
18770     \expandafter\renewcommand%
18771     \csname scr@tso@#1@linefill\endcsname{%
18772         \if@chapterentrywithdots
18773             \TOCLineLeaderFill\relax
18774         \else
18775             \hfill

```



```

18776 \fi
18777 }%
18778 \expandafter\renewcommand%
18779 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18780 \expandafter\renewcommand%
18781 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18782 \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18783 \expandafter\renewcommand\expandafter*%
18784 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18785 }
18786
18787 \CloneTOCEntryStyle{tocline}{section}
18788 \TOCEntryStyleStartInitCode{section}{%
18789 \expandafter\renewcommand%
18790 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18791 }
18792
18793 \CloneTOCEntryStyle{section}{default}
18794
18795 \DeclareSectionCommand[%
18796 style=part,%
18797 level=\m@ne,%
18798 pagestyle=plain,%
18799 tocstyle=part,%
18800 toplevel=\m@ne,%
18801 tocindent=\z@,%
18802 tocnumwidth=2em%
18803 ]{part}
18804 \DeclareSectionCommand[%
18805 style=chapter,%
18806 level=\z@,%
18807 pagestyle=plain,%
18808 tocstyle=chapter,%
18809 tocindent=\z@,%
18810 tocnumwidth=1.5em%
18811 ]{chapter}
18812 \DeclareSectionCommand[%
18813 style=section,%
18814 level=1,%
18815 indent=\z@,%
18816 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
18817 afterskip=2.3ex \@plus.2ex,%
18818 tocstyle=section,%
18819 tocindent=1.5em,%
18820 tocnumwidth=2.3em%
18821 ]{section}
18822 \DeclareSectionCommand[%
18823 style=section,%
18824 level=2,%
18825 indent=\z@,%

```



```

18826 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
18827 afterskip=1.5ex \@plus .2ex,%
18828 tocstyle=section,%
18829 tocindent=3.8em,%
18830 tocnumwidth=3.2em%
18831]{subsection}
18832\DeclareSectionCommand[%
18833 style=section,%
18834 level=3,%
18835 indent=\z@,%
18836 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
18837 afterskip=1.5ex \@plus .2ex,%
18838 tocstyle=section,%
18839 tocindent=7.0em,%
18840 tocnumwidth=4.1em%
18841]{subsubsection}
18842\DeclareSectionCommand[%
18843 style=section,%
18844 level=4,%
18845 indent=\z@,%
18846 beforeskip=3.25ex \@plus1ex \@minus.2ex,%
18847 afterskip=-1em,%
18848 tocstyle=section,%
18849 tocindent=10em,%
18850 tocnumwidth=5em%
18851]{paragraph}
18852\DeclareSectionCommand[%
18853 style=section,%
18854 level=5,%
18855 indent=\scr@parindent,%
18856 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
18857 afterskip=-1em,%
18858 tocstyle=section,%
18859 tocindent=12em,%
18860 tocnumwidth=6em%
18861]{subparagraph}
18862
18863

```

## 109 File sidecap-xetex-bidi.def

```

18864\ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18865\renewcommand*\SC@FLOAT}[2]{\if@RTL%
18866 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18867 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18868 \renewcommand*\SC@justify@caption{\if@RTL%
18869 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\else%
18870 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\fi}

```



## 110 File soul-xetex-bidi.def

```

18871 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18872 \long\def\SOUL@start#1{%
18873   \let\bid@RTL@everypar\@empty
18874   \let\<\SOUL@lowerthan
18875   \let\>\empty
18876   \def\soulomit{\noexpand\soulomit}%
18877   \gdef\SOUL@eventuallyexhyphen##1{%
18878     \let\SOUL@soeventuallyskip\relax
18879     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18880       \@minus\fontdimen4\font
18881     \SOUL@ignorespacesfalse
18882     \leavevmode
18883     \SOUL@preamble
18884     \SOUL@lasttoken={}%
18885     \SOUL@word={}%
18886     \SOUL@minus\z@
18887     \SOUL@comma\z@
18888     \SOUL@apo\z@
18889     \SOUL@grave\z@
18890     \SOUL@do{#1}%
18891     \SOUL@postamble
18892   }}
18893 \def\SOUL@ulunderline#1{%
18894   \setbox\z@\hbox{#1}%
18895   \dimen@=\wd\z@
18896   \dimen@i=\SOUL@uloverlap
18897   \advance\dimen@2\dimen@i
18898   \if@RTL
18899     \unhcopy\z@
18900     \llap{%
18901       \null
18902       \kern-\dimen@i
18903       \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18904     }%
18905   \else
18906     \rlap{%
18907       \null
18908       \kern-\dimen@i
18909       \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18910     }%
18911     \unhcopy\z@
18912   \fi
18913 }
18914 \def\bid@SOUL@ulleaders{%
18915   \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\relax
18916 }
18917 \def\SOUL@uleveryspace#1{%
18918   \if@RTL

```



```

18919      #1%
18920      \bidi@SOUL@ulleaders
18921      \hskip\spaceskip
18922      \else
18923      \SOUL@ulcolor{%
18924      #1%
18925      \SOUL@ulleaders
18926      \hskip\spaceskip
18927      }%
18928      \fi
18929      \null
18930 }

```

## 111 File stabular-xetex-bidi.def

```

18931 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package]
18932 \def\@stabular{%
18933   \leavevmode \bgroup \if@RTLtab\beginR \fi
18934   \let\@acol\@tabacol
18935   \let\@classz\@tabclassz
18936   \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18937 \def\endstabular{\crr\egroup\if@RTLtab\endR\fi\egroup}
18938 \egroup \if@RTLtab\endR\fi\egroup}
18939 \expandafter \let \csname endstabular*\endcsname = \endstabular
18940 \def\@sarray[#1]#2{%
18941   \bgroup
18942   \setbox\@arstrutbox\hbox{%
18943     \vrule \@height\arraystretch\ht\strutbox
18944     \@depth\arraystretch \dp\strutbox
18945     \@width\z@}%
18946   \@mkpream{#2}%
18947   \edef\@preamble{%
18948     \ialign \noexpand\@halignto
18949     \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18950   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18951   \let\@tabularnewline\\%
18952   \let\@sharp##%
18953   \set@typeset@protect
18954   \lineskip\z@skip\baselineskip\z@skip
18955   \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\top \else \vbox \fi\bgroup\fi
18956   \@preamble}

```

## 112 File subfigure-xetex-bidi.def

```

18957 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18958 \AtBeginDocument{%
18959   \let\p@subfigure=\thefigure
18960   \let\p@subtable=\thetable%
18961 }

```



## 113 File `tabls-xetex-bidi.def`

```

18962 \ProvidesFile{tabls-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabls package for Xe
18963 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18964
18965 \expandafter\let\csname endtabular*\endcsname=\endtabular
18966
18967 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
18968 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18969 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18970
18971 \def\@array[#1]#2{% remember global variables to allow recursion:
18972 \edef\@unrecurse{\global\@skip@above\the\@skip@above
18973 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18974 \let\@otarlinesep\@tarlinesep \global\@skip@above-\@otarlinesep
18975 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18976 \else \let\@tarlinesep\tablinesep \fi
18977 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18978 \let\@seesize\relax \let\@rememsize\relax \mkpream{#2}%
18979 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18980 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18981 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
18982 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18983 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18984 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18985 \let\protect\noexpand
18986 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18987 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18988 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18989 \if#1t\top \else \if#1b\bottom \else \vcenter \fi\fi
18990 \bgroup \let\par\empty
18991 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18992 \advance\extrarulesep.5\arrayrulewidth
18993 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18994 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\top \else \bottom \fi\bgroup\fi
18995 \@preamble}

```

## 114 File `tabularx-xetex-bidi.def`

```

18996 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package
18997 \def\TX@endtabularx{%
18998 \expandafter\expandafter\expandafter
18999 \TX@find@endtabularxa\csname end\TX@\endcsname
19000 \endtabularx\TX@\endtabularx\TX@find@endtabularxa
19001 \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
19002 \let\verb\TX@verb
19003 \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
19004 \edef\TX@ckpt{\cl@ckpt}%
19005 \let\@elt\relax
19006 \TX@old@table\maxdimen

```



```

19007 \TX@col@width\TX@target
19008 \global\TX@cols@one
19009 \TX@typeout@
19010 {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
19011 \TX@trial{\def\NC@rewriteX{%
19012 \global\advance\TX@cols@one\NC@find p{\TX@col@width}}}%
19013 \loop
19014 \TX@arith
19015 \ifTX@
19016 \TX@trial{%
19017 \repeat
19018 {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
19019 \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
19020 \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
19021 \csname tabular*\expandafter\endcsname\expandafter\TX@target
19022 \the\toks@
19023 \csname endtabular*\endcsname}%
19024 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
19025 \ifnum0=\fi}%
19026 \expandafter\expandafter\expandafter
19027 \TX@find@endtabularxbb
19028 \expandafter\end\expandafter{\TX@}%
19029 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
19030 }
19031
19032 \def\TX@trial#1{%
19033 \setbox\@tempboxa\hbox{%
19034 #1\relax
19035 \let\@footnotetext\TX@trial@ftn
19036 \let\@LTRfootnotetext\TX@trial@ftn
19037 \let\@RTLfootnotetext\TX@trial@ftn
19038 \let\TX@vwarn\@empty
19039 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
19040 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
19041 \def\write{\begingroup
19042 \let\afterassignment\endgroup\toks@}%
19043 \afterassignment\let\count@}%
19044 \hbadness\@M
19045 \hfuzz\maxdimen
19046 \let\hbadness\@tempcnta
19047 \let\hfuzz\@tempdima
19048 \expandafter\tabular\the\toks@
19049 \endtabular}%
19050 \TX@ckpt
19051 \TX@typeout@{\@spaces
19052 \expandafter\TX@align
19053 \the\wd\@tempboxa\space\space\space\space\space@@
19054 \expandafter\TX@align
19055 \the\TX@col@width\space\space\space\space\space@@
19056 \@spaces\the\TX@cols}}

```





```

19057
19058 \long\def\TX@LTrftntext#1{%
19059   \edef\@tempa{\the\TX@ftn\noexpand\LTrfootnotetext
19060     [\the\csname c@{\mpfn\endcsname}]}%
19061   \global\TX@ftn\expandafter{\@tempa{#1}}}%
19062 \long\def\TX@xLTrftntext[#1]#2{%
19063   \global\TX@ftn\expandafter{\the\TX@ftn\LTrfootnotetext[#1]{#2}}}%
19064
19065 \long\def\TX@RTLftntext#1{%
19066   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
19067     [\the\csname c@{\mpfn\endcsname}]}%
19068   \global\TX@ftn\expandafter{\@tempa{#1}}}%
19069 \long\def\TX@xRTLftntext[#1]#2{%
19070   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}%

```

```

19071 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
19072 \def\@testpach{\@chclass
19073   \ifnum \@lastchclass=6 \One \@cnum \One \else
19074     \ifnum \@lastchclass=7 5 \else
19075       \ifnum \@lastchclass=8 \tw@ \else
19076         \ifnum \@lastchclass=9 \thr@@
19077           \else \z@
19078             \ifnum \@lastchclass = 10 \else
19079               \edef\@nextchar{\expandafter\string\@nextchar}%
19080               \@cnum
19081               \if \@nextchar c\z@ \else
19082                 \if \@nextchar \ifRTLTAB r\else l\fi\@ne \else
19083                   \if \@nextchar \ifRTLTAB l\else r\fi\tw@ \else
19084                     \if \@nextchar C7 \else
19085                       \if \@nextchar L8 \else
19086                         \if \@nextchar R9 \else
19087                           \if \@nextchar J10 \else
19088                             \z@ \@chclass
19089                             \if\@nextchar |\@ne \else
19090                               \if \@nextchar !6 \else
19091                                 \if \@nextchar @7 \else
19092                                   \if \@nextchar <8 \else
19093                                     \if \@nextchar >9 \else
19094                                       10
19095                                       \@cnum
19096                                       \if \@nextchar m\thr@@\else
19097                                         \if \@nextchar p4 \else
19098                                           \if \@nextchar b5 \else
19099                                             \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
19100                                             \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}

```

```

19101 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
19102 \def\@cliptoboxdim#1{%
19103     \setbox#1=\hbox{%
19104         \Gin@defaultbp\WIDTH{\wd#1}%
19105         \Gin@defaultbp\DEPTH{\dp#1}%
19106         \@tempdima\ht#1%
19107         \advance\@tempdima\dp#1%
19108         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
19109         \beginL\special{pdf:bcontent }%
19110         \special{%
19111             pdf:literal direct
19112             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
19113         }%
19114         \special{pdf:literal direct W }%
19115         \special{pdf:literal direct n }%
19116         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
19117         \special{pdf:econtent }\endL%
19118     }%
19119 }

```

## 117 File tcolorbox-xetex-bidi.def

```

19120 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox package]
19121 \let\endtcbox@lrbox=\endminipage
19122 \let\endtcbox@savebox=\endtcbox@lrbox
19123
19124 \bidi@patchcmd{\tcb@vbox}{%
19125     \let\@footnotetext\@mpfootnotetext%
19126 }{%
19127     \let\@footnotetext\@mpfootnotetext%
19128     \let\@LTRfootnotetext\@mpLTRfootnotetext%
19129     \let\@RTLfootnotetext\@mpRTLfootnotetext%
19130 }{}{}
19131
19132 \bidi@patchcmd{\endtcbox@vbox}{%
19133     \footnoterule%
19134 }{%
19135     \bidi@mpfootnoterule%
19136 }{}{}
19137 \bidi@apptocmd\tcb@icolorbox{%
19138     \@bidi@list@minipage@parboxfalse
19139 }{}{}

```

## 118 File titlesec-xetex-bidi.def

```

19140 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
19141 \renewcommand\filright{%
19142     \gdef\ttl@filleft##1{\hskip##1}%
19143     \gdef\ttl@filright##1{\hfill}%
19144     \let\\\@centercr

```



```

19145 \advance\rightskip\z@ \@plus 1fil
19146 \parfillskip\z@}
19147 \def\ttlhang#1#2#3#4#5#6#7#8{%
19148 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
19149 \setlength\leftskip{#6}%
19150 \setlength\rightskip{#7}%
19151 \interlinepenalty\@M
19152 \ttl@changecentercr
19153 \ttl@beginlongest
19154 #1{\ifhmode\ttl@hmode@error\fi
19155 \ttl@glcmds
19156 \parindent\z@
19157 \leavevmode
19158 \begingroup
19159 \ifttl@label
19160 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
19161 \ifRTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
19162 \llap{\box\z@}%
19163 \fi
19164 #4{#8}%
19165 \kern\z@\strut\@@par
19166 \endgroup
19167 \nobreak\ttl@midlongest#5\@@par}%
19168 \ttl@endlongest}

```

## 119 File `titletoc-xetex-bidi.def`

```

19169 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
19170 \renewcommand\filright{%
19171 \gdef\ttl@filleft##1{\hskip##1}%
19172 \gdef\ttl@filright##1{\hfill}%
19173 \let\@centercr
19174 \advance\rightskip\z@ \@plus 1fil
19175 \parfillskip\z@}
19176 \renewcommand\contentspush[1]{%
19177 \sbox\z@{#1}%
19178 \xdef\ttl@b{\advance\ifRTL\rightskip\else\leftskip\fi\the\wd\z@}%
19179 \aftergroup\ttl@b
19180 \leavevmode\llap{\box\z@}}
19181 \def\ttl@outnoblock#1#2#3{%
19182 \begingroup
19183 \ifnum\ttl@b>\ttl@a
19184 \nobreak
19185 \else\ifnum\ttl@b<\ttl@a
19186 \addpenalty{\@secpenalty}%
19187 \else
19188 \addpenalty{\z@}%
19189 \fi\fi
19190 \ttl@contentsstretch
19191 \nobreak

```



```

19192 \ifcase#1\relax\else\interlinepenalty\@M\fi
19193 \parindent\z@
19194 \ifx\@nil#2%
19195   \PackageError{titletoc}{Unimplemented}%
19196   {The optional argument is currently mandatory}%
19197 \else
19198   \if@RTL\setlength\rightskip{#2}\else
19199   \setlength\leftskip{#2}\fi%
19200 \fi
19201 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
19202 \let\contentsmargin\ttl@margin
19203 \def\ttl@makeline##1{##1}%
19204 #3%
19205 \addtolength{\parfillskip}{-\ttl@corr}%
19206 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
19207 \let\ttl@leaders\leaders}
19208 \renewcommand\ttl@margin[2][\z@]{%
19209   \def\ttl@corr{#1}%
19210   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
19211   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
19212   \def\@pnumwidth{#2}}
19213 \let\ttl@savel@part\l@part
19214 \def\l@part{\ttl@lselect{part}}
19215
19216 \let\ttl@savel@chapter\l@chapter
19217 \def\l@chapter{\ttl@lselect{chapter}}

```

## 120 File tocbibind-xetex-bidi.def

```

19218 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
19219 \if@dotocbib
19220   \@ifpackageloaded{natbib}{\% natbib not loaded
19221     \renewcommand{\bibsection}{\tcb@bchapsec}
19222     \renewenvironment{thebibliography}[1]{%
19223       \bibsection
19224       \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
19225   \renewenvironment{thebibitemlist}[1]{
19226     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19227     \bidi@thebibliography@font@hook%
19228     \list{\@biblabel{\@arabic{c@enumiv}}}%
19229       {\settowidth\labelwidth{\@biblabel{#1}}%
19230        \leftmargin\labelwidth
19231        \advance\leftmargin\labelsep
19232        \@openbib@code
19233        \usecounter{enumiv}%
19234        \let\p@enumiv\@empty
19235        \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
19236     \sloppy
19237     \clubpenalty4000
19238     \@clubpenalty \clubpenalty

```



```

19239 \widowpenalty4000%
19240 \sfcode`.\@m}
19241 {\def\@noitemerr
19242 {\@latex@warning{Empty `thebibliography' environment}}}%
19243 \endlist}
19244
19245 \@ifpackagewith{chapterbib}{sectionbib}%
19246 {\renewcommand{\sectionbib}[2]{}}%
19247 {}
19248
19249 \fi
19250 \if@inltxdoc\else
19251 \renewenvironment{theindex}%
19252 {\if@twocolumn
19253 \@restonecolfalse
19254 \else
19255 \@restonecoltrue
19256 \fi
19257 \if@bibchapter
19258 \if@donumindex
19259 \refstepcounter{chapter}
19260 \twocolumn[\vspace*{2\topskip}%
19261 \makechapterhead{\indexname}}%
19262 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
19263 \chaptermark{\indexname}
19264 \else
19265 \if@dotocind
19266 \twocolumn[\vspace*{2\topskip}%
19267 \makechapterhead{\indexname}}%
19268 \prw@mkboth{\indexname}
19269 \addcontentsline{toc}{chapter}{\indexname}
19270 \else
19271 \twocolumn[\vspace*{2\topskip}%
19272 \makechapterhead{\indexname}}%
19273 \prw@mkboth{\indexname}
19274 \fi
19275 \fi
19276 \else
19277 \if@donumindex
19278 \twocolumn[\vspace*{-1.5\topskip}%
19279 \nameuse{\@tocextra}{\indexname}}%
19280 \csname \@tocextra mark\endcsname{\indexname}
19281 \else
19282 \if@dotocind
19283 \twocolumn[\vspace*{-1.5\topskip}%
19284 \toc@headstar{\@tocextra}{\indexname}}%
19285 \prw@mkboth{\indexname}
19286 \addcontentsline{toc}{\@tocextra}{\indexname}
19287 \else
19288 \twocolumn[\vspace*{-1.5\topskip}%

```



```

19289             \toc@headstar{\@tocextra}{\indexname}}%
19290             \prw@mkboth{\indexname}
19291         \fi
19292     \fi
19293 \fi
19294 \thispagestyle{plain}\parindent\z@
19295 \parskip\z@ \@plus .3\p@\relax
19296 \let\item\@idxitem}
19297 {\if@restonecol\onecolumn\else\clearpage\fi}
19298 \fi

```

## 121 File tocloft-xetex-bidi.def

```

19299 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
19300 \let\cftdot\@SepMark
19301 \if@cfthaspart
19302 \renewcommand*{\l@part}[2]{
19303     \@cftdopartfalse
19304     \ifnum \c@tocdepth >-2\relax
19305         \if@cfthaschapter
19306             \@cftdoparttrue
19307         \fi
19308         \ifnum \c@tocdepth >\m@ne
19309             \if@cfthaschapter\else
19310                 \@cftdoparttrue
19311             \fi
19312         \fi
19313     \fi
19314     \if@cftdopart
19315         \if@cfthaschapter
19316             \addpenalty{-\@highpenalty}
19317         \else
19318             \addpenalty\@secpenalty
19319         \fi
19320     \addvspace{\cftbeforepartskip}
19321     \begingroup
19322     {\if@RTL\rightskip\else\leftskip\fi \cftpartindent\relax
19323     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19324     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19325     \parindent \cftpartindent\relax\@afterindenttrue
19326     \interlinepenalty\@M
19327     \leavevmode
19328     \@tempdima \cftpartnumwidth\relax
19329     \let\@cftbsnum \cftpartpresnum
19330     \let\@cftasnum \cftpartaftersnum
19331     \let\@cftasnumb \cftpartaftersnumb
19332     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19333     {\cftpartfont \cftpartpresnum #1}
19334     \cftpartfillnum{#2}}
19335     \nobreak

```



```

19336 \if@cfthaschapter
19337 \global\@nobreaktrue
19338 \everypar{\global\@nobreakfalse\everypar{}}
19339 \else
19340 \if@compatibility
19341 \global\@nobreaktrue
19342 \everypar{\global\@nobreakfalse\everypar{}}
19343 \fi
19344 \fi
19345 \endgroup
19346 \fi}
19347 \fi
19348 \if@cfthaschapter
19349 \renewcommand*{\l@chapter}[2]{
19350 \ifnum \c@tocdepth >\m@ne
19351 \addpenalty{-\@highpenalty}
19352 \vskip \cftbeforechapskip
19353 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19354 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19355 \parfillskip -\if@RTL\leftskip\else\righskip\fi
19356 \parindent \cftchapindent\relax\@afterindenttrue
19357 \interlinepenalty\@M
19358 \leavevmode
19359 \@tempdima \cftchapnumwidth\relax
19360 \let\@cftbsnum \cftchappresnum
19361 \let\@cftasnum \cftchapaftersnum
19362 \let\@cftasnumb \cftchapaftersnumb
19363 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
19364 {\cftchapfont #1}\nobreak
19365 \cftchapfillnum{#2}}
19366 \fi}
19367 \fi
19368 \renewcommand*{\l@section}[2]{%
19369 \ifnum \c@tocdepth >\z@
19370 \if@cfthaschapter
19371 \vskip \cftbeforeseccskip
19372 \else
19373 \addpenalty\@secpenalty
19374 \addvspace{\cftbeforeseccskip}
19375 \fi
19376 {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
19377 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
19378 \parfillskip -\if@RTL\leftskip\else\righskip\fi
19379 \parindent \cftsecindent\relax\@afterindenttrue
19380 \interlinepenalty\@M
19381 \leavevmode
19382 \@tempdima \cftsecnumwidth\relax
19383 \let\@cftbsnum \cftsecpresnum
19384 \let\@cftasnum \cftsecaftersnum
19385 \let\@cftasnumb \cftsecaftersnumb

```



```

19386 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
19387 {\cftsecfont #1}\nobreak
19388 \cftsecfillnum{#2}}
19389 \fi}
19390 \renewcommand*{\l@section}[2]{%
19391 \ifnum \c@tocdepth >\@ne
19392 \vskip \cftbeforesubsecskip
19393 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsecindent\relax
19394 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19395 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19396 \parindent \cftsubsecindent\relax\@afterindenttrue
19397 \interlinepenalty\@M
19398 \leavevmode
19399 \@tempdima \cftsubsecnumwidth\relax
19400 \let\@cftbsnum \cftsubsecpresnum
19401 \let\@cftasnum \cftsubsecftersnum
19402 \let\@cftasnumb \cftsubsecftersnumb
19403 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
19404 {\cftsubsecfont #1}\nobreak
19405 \cftsubsecfillnum{#2}}
19406 \fi}
19407 \renewcommand*{\l@subsection}[2]{%
19408 \ifnum \c@tocdepth >\tw@
19409 \vskip \cftbeforesubsubsecskip
19410 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsubsecindent\relax
19411 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19412 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19413 \parindent \cftsubsubsecindent\relax\@afterindenttrue
19414 \interlinepenalty\@M
19415 \leavevmode
19416 \@tempdima \cftsubsubsecnumwidth\relax
19417 \let\@cftbsnum \cftsubsubsecpresnum
19418 \let\@cftasnum \cftsubsubsecftersnum
19419 \let\@cftasnumb \cftsubsubsecftersnumb
19420 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
19421 {\cftsubsubsecfont #1}\nobreak
19422 \cftsubsubsecfillnum{#2}}
19423 \fi}
19424 \renewcommand*{\l@paragraph}[2]{%
19425 \ifnum \c@tocdepth >3\relax
19426 \vskip \cftbeforeparaskip
19427 {\if@RTL\rightrightskip\else\leftskip\fi \cftparaindent\relax
19428 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19429 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19430 \parindent \cftparaindent\relax\@afterindenttrue
19431 \interlinepenalty\@M
19432 \leavevmode
19433 \@tempdima \cftparanumwidth\relax
19434 \let\@cftbsnum \cftparapresnum
19435 \let\@cftasnum \cftparaftersnum

```





```

19436 \let\cftasnumb \cftparaaftersnumb
19437 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
19438 {\cftparafont #1}\nobreak
19439 \cftparafillnum{#2}}
19440 \fi}
19441 \renewcommand*{\l@subparagraph}[2]{%
19442 \ifnum \c@tocdepth >4\relax
19443 \vskip \cftbeforesubparaskip
19444 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
19445 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19446 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19447 \parindent \cftsubparaindent\relax\@afterindenttrue
19448 \interlinepenalty\@M
19449 \leavevmode
19450 \@tempdima \cftsubparanumwidth\relax
19451 \let\cftbsnum \cftsubparapresnum
19452 \let\cftasnum \cftsubparaaftersnum
19453 \let\cftasnumb \cftsubparaaftersnumb
19454 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
19455 {\cftsubparafont #1}\nobreak
19456 \cftsubparafillnum{#2}}
19457 \fi}
19458 \renewcommand*{\l@figure}[2]{%
19459 \ifnum \c@lofdepth >\z@
19460 \vskip \cftbeforefigskip
19461 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
19462 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19463 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19464 \parindent \cftfigindent\relax\@afterindenttrue
19465 \interlinepenalty\@M
19466 \leavevmode
19467 \@tempdima \cftfignumwidth\relax
19468 \let\cftbsnum \cftfigpresnum
19469 \let\cftasnum \cftfigaftersnum
19470 \let\cftasnumb \cftfigaftersnumb
19471 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
19472 {\cftfigfont #1}\nobreak
19473 \cftfigfillnum{#2}}
19474 \fi
19475 }
19476 \renewcommand*{\l@table}[2]{%
19477 \ifnum \c@lotdepth >\z@
19478 \vskip \cftbeforetabskip
19479 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
19480 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19481 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19482 \parindent \cfttabindent\relax\@afterindenttrue
19483 \interlinepenalty\@M
19484 \leavevmode
19485 \@tempdima \cfttabnumwidth\relax

```



```

19486 \let\@cftbsnum \cfttabpresnum
19487 \let\@cftasnum \cfttabaftersnum
19488 \let\@cftasnumb \cfttabaftersnumb
19489 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19490 {\cfttabfont #1}\nobreak
19491 \cfttabfillnum{#2}}
19492 \fi
19493 }
19494 \renewcommand{\@cftl@subfig}{
19495 \renewcommand*{\l@subfigure}[2]{%
19496 \ifnum \c@lofdepth > \toclevel@subfigure
19497 \vskip \cftbeforesubfigskip
19498 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
19499 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19500 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19501 \parindent \cftsubfigindent\relax\@afterindenttrue
19502 \interlinepenalty\@M
19503 \leavevmode
19504 \@tempdima \cftsubfignumwidth\relax
19505 \let\@cftbsnum \cftsubfigpresnum
19506 \let\@cftasnum \cftsubfigaftersnum
19507 \let\@cftasnumb \cftsubfigaftersnumb
19508 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19509 {\cftsubfigfont ##1}\nobreak
19510 \cftsubfigfillnum{##2}}
19511 \fi
19512 }
19513 }
19514 \renewcommand{\@cftl@subtab}{
19515 \renewcommand*{\l@subtable}[2]{%
19516 \ifnum \c@lotdepth > \toclevel@subtable
19517 \vskip \cftbeforesubtabskip
19518 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
19519 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19520 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19521 \parindent \cftsubtabindent\relax\@afterindenttrue
19522 \interlinepenalty\@M
19523 \leavevmode
19524 \@tempdima \cftsubtabnumwidth\relax
19525 \let\@cftbsnum \cftsubtabpresnum
19526 \let\@cftasnum \cftsubtabaftersnum
19527 \let\@cftasnumb \cftsubtabaftersnumb
19528 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19529 {\cftsubtabfont ##1}\nobreak
19530 \cftsubtabfillnum{##2}}
19531 \fi
19532 }
19533 }
19534 \renewcommand{\newlistentry}[4][\@empty]{%
19535 \@ifundefined{c#2}{% check & set the counter

```



```

19536 \ifx \@empty#1\relax
19537 \newcounter{#2}
19538 \else
19539 \ifundefined{c@#1}{\PackageWarning{tocloft}%
19540 \#1 has no counter for use as a `within'}
19541 \newcounter{#2}}%
19542 {\newcounter{#2}[#1]%
19543 \expandafter\edef\csname the#2\endcsname{%
19544 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
19545 \fi
19546 \setcounter{#2}{0}
19547 }
19548 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19549
19550 \@namedef{l@#2}##1##2{%
19551 \ifnum \@nameuse{c@#3depth} > #4\relax
19552 \vskip \@nameuse{cftbefore#2skip}
19553 {\if@RTL\rightright\else\leftskip\fi \@nameuse{cft#2indent}\relax
19554 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
19555 \parfillskip -\if@RTL\leftskip\else\rightright\fi
19556 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19557 \interlinepenalty\@M
19558 \leavevmode
19559 \@tempdima \@nameuse{cft#2numwidth}\relax
19560 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
19561 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19562 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19563 \advance\if@RTL\rightright\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rightright
19564 {\@nameuse{cft#2font}##1}\nobreak
19565 \@nameuse{cft#2fillnum}{##2}}
19566 \fi
19567 } % end of l@#2
19568
19569 \expandafter\newlength\csname cftbefore#2skip\endcsname
19570 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2p@}
19571 \expandafter\newlength\csname cft#2indent\endcsname
19572 \expandafter\newlength\csname cft#2numwidth\endcsname
19573 \ifcase #4\relax % 0
19574 \setlength{\@nameuse{cft#2indent}}{0em}
19575 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19576 \or % 1
19577 \setlength{\@nameuse{cft#2indent}}{1.5em}
19578 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19579 \or % 2
19580 \setlength{\@nameuse{cft#2indent}}{3.8em}
19581 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19582 \or % 3
19583 \setlength{\@nameuse{cft#2indent}}{7.0em}
19584 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19585 \else % anything else

```



```

19586 \setlength{\@nameuse{cft#2indent}}{10.0em}
19587 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19588 \fi
19589 \@namedef{cft#2font}{\normalfont}
19590 \@namedef{cft#2presnum}{}
19591 \@namedef{cft#2aftersnum}{}
19592 \@namedef{cft#2aftersnumb}{}
19593 \@namedef{cft#2dotsep}{\cftdotsep}
19594 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19595 \@namedef{cft#2pagefont}{\normalfont}
19596 \@namedef{cft#2afterpnum}{}
19597 \@namedef{toclevel@#2}{#4}
19598 \@namedef{cft#2fillnum}##1{%
19599   {\@nameuse{cft#2leader}}\nobreak
19600   \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
19601 } % end \newlistentry
19602 \renewcommand{cftchapterprecistoc}[1]{\addtocontents{toc}{%
19603   {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19604   \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19605   \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
19606   \textit{#1}\protect\par}}}

```

## 122 File tocbasic-xetex-bidi.def

```

19607 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
19608 \bidi@undef\scr@dte@def@l@undottedtocline
19609 \bidi@undef\scr@dte@undottedtocline@init
19610 \DeclareTOCEntryStyle{undottedtocline}[%
19611   \DefineTOCEntryLengthOption{indent}%
19612   {scr@tso@}{@indent}{entry indent}%
19613   \DefineTOCEntryLengthOption{numwidth}%
19614   {scr@tso@}{@numwidth}{entry number width}%
19615   \@ifundefined{#1tocdepth}{%
19616     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19617       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19618         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19619           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19620             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19621               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19622                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19623                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19624                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19625                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
19626                       \csname #1numdepth\endcsname
19627                     }%
19628                   }%
19629                 }%
19630               }%
19631             }%
19632           }%

```



```

19633     }%
19634   }%
19635 }%
19636 }{}%
19637 \ifundefined{scr@tso@#1@indent}{%
19638   \@ifundefined{scr@#1@tocindent}{%
19639     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19640       \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19641         \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19642           \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19643             \scr@ifundefinedorrelax{1@chapter}{%
19644               \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19645                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19646                   \ifstr{#1}{subsubsection}{%
19647                     \@namedef{scr@tso@#1@indent}{3.8em}%
19648                   }{%
19649                     \ifstr{#1}{paragraph}{%
19650                       \@namedef{scr@tso@#1@indent}{7em}%
19651                     }{%
19652                       \ifstr{#1}{subparagraph}{%
19653                         \@namedef{scr@tso@#1@indent}{10em}%
19654                       }{%
19655                         }%
19656                       }%
19657                     }%
19658                   }%
19659                 }%
19660               }{%
19661                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19662                   \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19663                     \ifstr{#1}{subsubsection}{%
19664                       \@namedef{scr@tso@#1@indent}{7.0em}%
19665                     }{%
19666                       \ifstr{#1}{paragraph}{%
19667                         \@namedef{scr@tso@#1@indent}{10em}%
19668                       }{%
19669                         \ifstr{#1}{subparagraph}{%
19670                           \@namedef{scr@tso@#1@indent}{12em}%
19671                         }{%
19672                           }%
19673                         }%
19674                       }%
19675                     }%
19676                   }%
19677                 }%
19678               }%
19679             }%
19680           }%
19681         }%
19682       }{%

```



```

19683     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19684   }%
19685 }{}%
19686 \@ifundefined{scr@tso@#1@numwidth}{%
19687   \@ifundefined{scr@#1@tocnumwidth}{%
19688     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19689       \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19690         \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19691           \scr@ifundefinedorrelax{chapter}{%
19692             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19693               \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19694                 \ifstr{#1}{subsubsection}{%
19695                   \@namedef{scr@tso@#1@numwidth}{3.2em}%
19696                 }{%
19697                   \ifstr{#1}{paragraph}{%
19698                     \@namedef{scr@tso@#1@numwidth}{4.1em}%
19699                   }{%
19700                     \ifstr{#1}{subparagraph}{%
19701                       \@namedef{scr@tso@#1@numwidth}{5m}%
19702                     }{%
19703                       }%
19704                     }%
19705                   }%
19706                 }%
19707               }%
19708             }{}%
19709           \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19710             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19711               \ifstr{#1}{subsubsection}{%
19712                 \@namedef{scr@tso@#1@numwidth}{3.1em}%
19713               }{%
19714                 \ifstr{#1}{paragraph}{%
19715                   \@namedef{scr@tso@#1@numwidth}{5em}%
19716                 }{%
19717                   \ifstr{#1}{subparagraph}{%
19718                     \@namedef{scr@tso@#1@numwidth}{6em}%
19719                   }{%
19720                     }%
19721                   }%
19722                 }%
19723               }%
19724             }%
19725           }%
19726         }%
19727       }%
19728     }%
19729   }{}%
19730   \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19731 }{}%
19732 }{}%

```



```

19733 }}{%
19734 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19735 \ifnum \@nameuse{#1tocdepth}<\@ne
19736 \scr@ifundefinedorrelax{chapter}{%
19737 \addpenalty\@secpenalty
19738 \addvspace{1.0em \@plus\p@}%
19739 }{%
19740 \addpenalty{-\@highpenalty}%
19741 \vskip 1.0em \@plus\p@
19742 }%
19743 \else
19744 \addpenalty\@secpenalty
19745 \addvspace{1.0em \@plus\p@}%
19746 \fi
19747 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19748 \begingroup
19749 \parindent \z@ \bidi@rightskip \@pnumwidth
19750 \parfillskip -\@pnumwidth
19751 \leavevmode
19752 \bfseries
19753 \advance\bidi@leftskip\@tempdima
19754 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19755 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19756 ##1%
19757 \nobreak
19758 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19759 \par
19760 \penalty\@highpenalty
19761 \endgroup
19762 \fi
19763 }
19764
19765 \bidi@undef\scr@dte@def@l@targetocline
19766 \bidi@undef\scr@dte@largetocline@init
19767 \DeclareTOCEntryStyle{largetocline}[{%
19768 \DefineTOCEntryLengthOption{indent}%
19769 {scr@tso@}{@indent}{entry indent}%
19770 \@ifundefined{#1tocdepth}{%
19771 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19772 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19773 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19774 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19775 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19776 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19777 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19778 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19779 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19780 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19781 \csname #1numdepth\endcsname
19782 }%

```



```

19783         }%
19784     }%
19785 }%
19786 }%
19787 }%
19788 }%
19789 }%
19790 }%
19791 }{}%
19792 \@ifundefined{scr@tso@#1@indent}{%
19793     \@ifundefined{scr@#1@tocindent}{%
19794         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19795             \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19796                 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19797                     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19798                         \scr@ifundefinedorrelax{1@chapter}{%
19799                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19800                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19801                                     \ifstr{#1}{subsubsection}{%
19802                                         \@namedef{scr@tso@#1@indent}{3.8em}%
19803                                     }%
19804                                     \ifstr{#1}{paragraph}{%
19805                                         \@namedef{scr@tso@#1@indent}{7em}%
19806                                     }{%
19807                                         \ifstr{#1}{subparagraph}{%
19808                                             \@namedef{scr@tso@#1@indent}{10em}%
19809                                         }%
19810                                         }%
19811                                     }%
19812                                 }%
19813                             }%
19814                         }%
19815                     }{%
19816                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19817                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19818                                 \ifstr{#1}{subsubsection}{%
19819                                     \@namedef{scr@tso@#1@indent}{7.0em}%
19820                                 }%
19821                                 \ifstr{#1}{paragraph}{%
19822                                     \@namedef{scr@tso@#1@indent}{10em}%
19823                                 }{%
19824                                     \ifstr{#1}{subparagraph}{%
19825                                         \@namedef{scr@tso@#1@indent}{12em}%
19826                                     }%
19827                                     }%
19828                                 }%
19829                             }%
19830                         }%
19831                     }%
19832                 }%

```





```

19833         }%
19834     }%
19835 }%
19836 }%
19837 }{%
19838     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19839 }%
19840 }{}%
19841 }]{%
19842 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19843     \ifnum \@nameuse{#1tocdepth}<\@ne
19844         \scr@ifundefinedorrelax{chapter}{%
19845             \addpenalty\@secpenalty
19846             \addvspace{2.25em \@plus\p@}%
19847         }{%
19848             \addpenalty{-\@highpenalty}%
19849             \addvspace{2.25em \@plus\p@}%
19850         }%
19851     \else
19852         \addpenalty\@secpenalty
19853         \addvspace{2.25em \@plus\p@}%
19854     \fi
19855     \setlength\@tempdima{3em}%
19856     \begingroup
19857         \parindent \z@ \bidi@rightskip \@pnumwidth
19858         \parfillskip -\@pnumwidth
19859         \leavevmode
19860         \large
19861         \bfseries
19862         \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19863         ##1%
19864         \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19865         \par
19866         \nobreak
19867         \ifnum 0=
19868             \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19869             \global\@nobreaktrue
19870             \everypar{\global\@nobreakfalse\everypar{}}%
19871         \fi
19872     \endgroup
19873 \fi
19874 }
19875
19876 \renewcommand*{\scr@dte@tocline}[3]{%
19877     \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19878     \else
19879         \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19880         \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19881         {%
19882             \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax

```



```

19883 \bidi@rightskip \@tocrmarg
19884 \parfillskip -\bidi@rightskip
19885 \@nameuse{Ifscr@tso@#1@raggedpage}{%
19886 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19887 }{}%
19888 \parindent \@nameuse{scr@tso@#1@indent}\relax
19889 \@afterindenttrue
19890 \interlinepenalty\@M
19891 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19892 \addtolength\bidi@rightskip\@flushglue
19893 \else
19894 \def\reserved@a{\raggedright}%
19895 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19896 \addtolength\bidi@rightskip\@flushglue
19897 \else
19898 \renewcommand\reserved@a{\raggedright}%
19899 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19900 \addtolength\bidi@rightskip\@flushglue
19901 \fi
19902 \fi
19903 \fi
19904 \leavevmode
19905 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19906 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19907 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{}%
19908 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19909 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19910 \fi
19911 }%
19912 }{}%
19913 \advance\bidi@leftskip \@tempdima
19914 \null\nobreak\hskip -\bidi@leftskip
19915 {%
19916 \usetocbasicnumberline
19917 \let\scr@dte@numberline@box\numberline@box
19918 \def\numberline@box##1{%
19919 \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}%
19920 \global\scr@dte@tocline@numberwidth
19921 \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19922 \ifdim \scr@dte@tocline@numberwidth
19923 >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19924 \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19925 \fi
19926 \@nameuse{Ifscr@tso@#1@dynnumwidth}{}%
19927 \ifdim \scr@dte@tocline@numberwidth
19928 >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19929 +\@nameuse{scr@tso@#1@numsep}\relax
19930 \PackageWarning{tocbasic}%
19931 }{%
19932 number width of #1 toc entries should be

```



```

19933         increased!\MessageBreak
19934         Currently used number width =
19935         \the\wd\scr@dte@tocline@numbox,\MessageBreak
19936         Wanted number separation
19937         \space\space\space =
19938         \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19939         Reserved number width \space\space\space\space\space\space =
19940         \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19941     }%
19942 \fi
19943 }%
19944 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19945 \@nameuse{Ifscr@tso@#1@breakafternumber}}{%
19946     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
19947 }{}%
19948 }%
19949 \@nameuse{scr@tso@#1@entryformat}}{%
19950     #2%
19951     \nobreak
19952     {%
19953         \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
19954     \nobreak
19955     \@nameuse{scr@tso@#1@pagenumberbox}}{%
19956     \@nameuse{scr@tso@#1@pagenumberformat}}{#3}%
19957 }%
19958 }%
19959 \@par
19960 }%
19961 }%
19962 }%
19963 \tocbasic@SetPenaltyByTOCLevel{#1}%
19964 \fi
19965 }
19966
19967 \bidi@undef\scr@dte@def@l@tocline
19968 \bidi@undef\scr@dte@tocline@init
19969 \DeclareTOCEntryStyle{tocline}{[%
19970     \DefineTOCEntryLengthOption{beforeskip}%
19971     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19972     \DefineTOCEntryIfOption{breakafternumber}%
19973     {scr@tso@}{@breakafternumber}{line break after number flag}%
19974     \DefineTOCEntryIfOption{dynnumwidth}%
19975     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19976     \DefineTOCEntryCommandOption{entryformat}%
19977     {scr@tso@}{@entryformat}[1]{entry format}%
19978     \DefineTOCEntryCommandOption{entrynumberformat}%
19979     {scr@tso@}{@numberformat}[1]{entry number format}%
19980     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19981     {scr@tso@}{@linefill}{filling between text and page number}%
19982     \DefineTOCEntryLengthOption{numsep}%

```



```

19983 {scr@tso@}{@numsep}{entry number separation}%
19984 \DefineTOCEntryCommandOption{onstarthigherlevel}%
19985 {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19986 \DefineTOCEntryCommandOption{onstartlowerlevel}%
19987 {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19988 \DefineTOCEntryCommandOption{onstartsamelevel}%
19989 {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19990 \DefineTOCEntryCommandOption{pagenumberbox}%
19991 {scr@tso@}{@pagenumberbox}[1]{page number box}%
19992 \DefineTOCEntryCommandOption{pagenumberformat}%
19993 {scr@tso@}{@pagenumberformat}[1]{page number format}%
19994 \DefineTOCEntryOption{raggedentrytext}[true]{%
19995 \FamilySetBool{KOMAArg}{raggedentrytext}{@tempswa}{##1}%
19996 \ifx\FamilyKeyState\FamilyKeyStateProcessed
19997 \if@tempswa
19998 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19999 \raggedright
20000 \else
20001 \expandafter\let\csname ragged\scr@dte@current entry\endcsname
20002 \relax
20003 \fi
20004 \fi
20005 }%
20006 \DefineTOCEntryIfOption{raggedpagenumber}%
20007 {scr@tso@}{@raggedpage}{page number ragged flag}%
20008 \DefineTOCEntryLengthOption{indent}%
20009 {scr@tso@}{@indent}{entry indent}%
20010 \DefineTOCEntryLengthOption{numwidth}%
20011 {scr@tso@}{@numwidth}{entry number width}%
20012 \scr@ifundefinedorrelax{#1tocdepth}{%
20013 \ifstrstart{#1}{sub}{%
20014 \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
20015 \expandafter\edef\csname #1tocdepth\endcsname{%
20016 \the\numexpr \noexpand@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
20017 }%
20018 }%
20019 }{%
20020 }{%
20021 \@ifundefined{#1tocdepth}{%
20022 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
20023 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
20024 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
20025 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
20026 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
20027 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
20028 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
20029 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{11}}{%
20030 \ifstr{#1}{table}{\@namedef{#1tocdepth}{11}}{%
20031 \expandafter\let\csname #1tocdepth\expandafter\endcsname
20032 \csname #1numdepth\endcsname

```



```

20033         }%
20034     }%
20035 }%
20036 }%
20037 }%
20038 }%
20039 }%
20040 }%
20041 }%
20042 }{}%
20043 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
20044     \@ifundefined{scr@#1@tocindent}{%
20045         \ifstrstart{#1}{sub}{%
20046             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
20047                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%}{%
20048                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
20049                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
20050                         \relax
20051                     }%
20052                 }%
20053             }{%
20054                 \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%
20055                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
20056                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
20057                         \relax
20058                     }%
20059                 }{%
20060                     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
20061                         \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
20062                         +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
20063                     \relax
20064                 }%
20065             }%
20066         }%
20067     }{}%
20068 }{%
20069     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
20070 }%
20071 }{}%
20072 \@ifundefined{scr@tso@#1@indent}{%
20073     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
20074     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
20075     \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
20076     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
20077     \scr@ifundefinedorrelax{l@chapter}{%
20078     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
20079     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
20080     \ifstr{#1}{subsubsection}{%
20081         \@namedef{scr@tso@#1@indent}{3.8em}%
20082     }{%

```



```

20083         \ifstr{#1}{paragraph}{%
20084             \@namedef{scr@tso@#1@indent}{7em}%
20085         }{%
20086             \ifstr{#1}{subparagraph}{%
20087                 \@namedef{scr@tso@#1@indent}{10em}%
20088             }{%
20089                 }%
20090             }%
20091         }%
20092     }%
20093 }{%
20094 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
20095     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
20096         \ifstr{#1}{subsubsection}{%
20097             \@namedef{scr@tso@#1@indent}{7.0em}%
20098         }{%
20099             \ifstr{#1}{paragraph}{%
20100                 \@namedef{scr@tso@#1@indent}{10em}%
20101             }{%
20102                 \ifstr{#1}{subparagraph}{%
20103                     \@namedef{scr@tso@#1@indent}{12em}%
20104                 }{%
20105                     }%
20106                 }%
20107             }%
20108         }%
20109     }%
20110 }%
20111 }%
20112 }%
20113 }%
20114 }%
20115 }%
20116 }{}%
20117 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
20118     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
20119         \ifstrstart{#1}{sub}{%
20120             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
20121             \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
20122                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
20123                     +.9em%
20124             }%
20125             \relax
20126         }%
20127     }{}%
20128 }{%
20129     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
20130 }%
20131 }{}%
20132 \@ifundefined{scr@tso@#1@numwidth}{%

```



```

20133 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
20134 \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
20135 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
20136 \scr@ifundefinedorrelax{chapter}{%
20137 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
20138 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
20139 \ifstr{#1}{subsubsection}{%
20140 \@namedef{scr@tso@#1@numwidth}{3.2em}%
20141 }{%
20142 \ifstr{#1}{paragraph}{%
20143 \@namedef{scr@tso@#1@numwidth}{4.1em}%
20144 }{%
20145 \ifstr{#1}{subparagraph}{%
20146 \@namedef{scr@tso@#1@numwidth}{5em}%
20147 }{%
20148 }%
20149 }%
20150 }%
20151 }%
20152 }%
20153 }{%
20154 \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
20155 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
20156 \ifstr{#1}{subsubsection}{%
20157 \@namedef{scr@tso@#1@numwidth}{3.1em}%
20158 }{%
20159 \ifstr{#1}{paragraph}{%
20160 \@namedef{scr@tso@#1@numwidth}{5em}%
20161 }{%
20162 \ifstr{#1}{subparagraph}{%
20163 \@namedef{scr@tso@#1@numwidth}{6em}%
20164 }{%
20165 }%
20166 }%
20167 }%
20168 }%
20169 }%
20170 }%
20171 }%
20172 }%
20173 }%
20174 }{}%
20175 \expandafter\renewcommand%
20176 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
20177 \expandafter\renewcommand%
20178 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
20179 \expandafter\renewcommand%
20180 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
20181 \@ifundefined{scr@tso@#1@beforeskip}{%
20182 \ifstr{#1}{part}{%

```



```

20183 \namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
20184 }{%
20185 \ifstr{#1}{chapter}{%
20186 \namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
20187 }{%
20188 \ifstr{#1}{section}{%
20189 \scr@ifundefinedorrelax{1@chapter}{%
20190 \namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
20191 }{}%
20192 }{}%
20193 }%
20194 }%
20195 \expandafter\renewcommand\expandafter*%
20196 \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
20197 }{}%
20198 \@ifundefined{scr@dte@#1@maxnumwidth}{%
20199 \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
20200 \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
20201 }{}%
20202 \renewcommand*{\scr@dte@donumwidth}{}%
20203 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
20204 \expandafter\renewcommand\expandafter*%
20205 \csname scr@tso@#1@numsep\endcsname{.4em}%
20206 \expandafter\renewcommand%
20207 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
20208 \ifstr{#1}{part}{%
20209 \expandafter\renewcommand%
20210 \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
20211 }{%
20212 \ifstr{#1}{chapter}{%
20213 \expandafter\renewcommand%
20214 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20215 }{%
20216 \scr@ifundefinedorrelax{1@chapter}{%
20217 \ifstr{#1}{section}{%
20218 \expandafter\renewcommand%
20219 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20220 }{}%
20221 }{}%
20222 \expandafter\renewcommand%
20223 \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
20224 }%
20225 }%
20226 \expandafter\renewcommand
20227 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
20228 \@ifundefined{scr@tso@#1@linefill}{%
20229 \ifstr{#1}{part}{%
20230 \namedef{scr@tso@#1@linefill}{\hfill}%
20231 }{%
20232 \ifstr{#1}{chapter}{%

```





```

20233         \@namedef{scr@tso@#1@linefill}{\hfill}%
20234     }{%
20235         \scr@ifundefinedorrelax{1@chapter}{%
20236             \ifstr{#1}{section}{%
20237                 \@namedef{scr@tso@#1@linefill}{\hfill}%
20238             }{}
20239         }{}
20240         \expandafter\renewcommand%
20241         \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20242     }%
20243 }%
20244 }{}%
20245 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
20246 \ifstr{#1}{part}{%
20247     \expandafter\renewcommand%
20248     \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
20249 }{%
20250     \expandafter\renewcommand%
20251     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20252         {\normalfont\normalcolor ##1}}%
20253 }%
20254 \expandafter\renewcommand%
20255 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
20256     \hb@xt@{\pnumwidth}{\hfil ##1}}%
20257 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
20258 }]{%
20259     \scr@dte@tocline{#1}{##1}{##2}%
20260 }
20261

```

## 123 File tocstyle-xetex-bidi.def

```

20262 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
20263 \renewcommand*{\tocstyle@dottedtocline}[5]{%
20264     \let\numberline\tocstyle@numberline
20265     \ifnum #1>\c@tocdepth \else
20266         \if@tocstyle@penalties
20267             \begingroup
20268                 \@tempcnta 20010
20269                 \advance \@tempcnta by -#1
20270                 \ifnum \@tempcnta>\lastpenalty
20271                     \aftergroup\penalty\aftergroup\@lowpenalty
20272                 \fi
20273             \endgroup
20274         \fi
20275         \edef\tocstyledepth{#1}%
20276         \tocstyle@activate@features
20277         \ifx\tocstyle@feature@entryvskip\relax
20278             \vskip \z@ \@plus.2\p@
20279         \else

```



```

20280     \addvspace{\tocstyle@feature@entryvskip}%
20281 \fi
20282 {%
20283     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
20284     \tocstyle@feature@raggedhook
20285     \@tempdima #3\relax
20286     \@tempdimb #2\relax
20287     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20288     \ifnum #1>\z@\relax
20289         \@tempcnta #1\relax \advance\@tempcnta \m@ne
20290         \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20291             \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20292                 \@tempdimb
20293                 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20294                 \advance\@tempdimb
20295                 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20296             \fi
20297         \fi
20298     \fi
20299     \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20300     \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
20301         \ifdim \@tempdimb>
20302             \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
20303             \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20304             @#1\endcsname{\the\@tempdimb}%
20305         \fi
20306     \else
20307         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20308         @#1\endcsname{\the\@tempdimb}%
20309     \fi
20310     \iftocstyle@autolength
20311         \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20312             \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20313             \relax
20314         \fi
20315         \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20316             \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20317             \relax
20318         \fi
20319         \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20320         \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20321     \else
20322         \@tempdimb #2\relax
20323         \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20324     \fi
20325     \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
20326         \ifdim \@tempdima>
20327             \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
20328             \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20329             @\endcsname{\the\@tempdima}%

```



```

20330     \fi
20331   \else
20332     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20333       @\endcsname{\the\@tempdima}%
20334   \fi
20335   \ifcase\tocstyle@indentstyle\relax\else
20336     \@tempdimb \z@
20337     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20338       \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20339       \relax
20340     \fi
20341     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20342     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20343   \fi
20344   \advance\parindent \@tempdimb\@afterindenttrue
20345   \advance\if@RTL\rightskip\else\leftskip\fi \parindent
20346   \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
20347   \parfillskip -\if@RTL\leftskip\else\rightskip\fi
20348   \ifx\tocstyle@feature@parfillskip\relax\else
20349     \advance\parfillskip \tocstyle@feature@parfillskip\relax
20350   \fi
20351   \interlinepenalty\@M
20352   \leavevmode
20353   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
20354   \null\nobreak
20355   \iftocstyle@indentnotnumbered\else
20356     \hskip -\if@RTL\rightskip\else\leftskip\fi
20357   \fi
20358   \tocstyle@feature@entryhook
20359   {#4}\nobreak
20360   \ifx\tocstyle@feature@leaders\relax
20361     \leaders\hbox{$\m@th
20362       \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
20363       \mkern \@dotsep mu$}\hfill
20364   \else
20365     \tocstyle@feature@leaders
20366   \fi
20367   \nobreak
20368   \ifx\tocstyle@feature@pagenumberbox\relax
20369     \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
20370   \else
20371     \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
20372   \fi
20373   \par
20374 }%
20375 \if@tocstyle@penalties
20376   \bgroup
20377   \@tempcnta 20009
20378   \advance\@tempcnta by -#1
20379   \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%

```



```

20380     \reserved@a
20381     \fi
20382 \fi}
20383 \renewcommand*{\tocstyle@numberline}[1]{%
20384 \begingroup
20385   \ifx\tocstyle@feature@spaceafternumber\relax
20386     \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
20387   \else
20388     \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
20389     \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
20390   \fi
20391   \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
20392     \ifdim \@tempdima >
20393       \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
20394       \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20395         @\tocstyledepth\endcsname{\the\@tempdima}%
20396     \fi
20397   \else
20398     \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20399       @\tocstyledepth\endcsname{\the\@tempdima}%
20400   \fi
20401 \endgroup
20402 \iftocstyle@indentnotnumbered
20403   \hskip -\if@RTL\rightskip\else\leftskip\fi
20404 \fi
20405 \ifcase \tocstyle@indentstyle
20406   \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20407 \or
20408   \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20409 \else
20410   \ifx\tocstyle@feature@spaceafternumber\relax
20411     \hbox{\tocstyle@@numberline{#1}\enskip}%
20412   \else
20413     \hbox{\tocstyle@@numberline{#1}\hskip
20414       \tocstyle@feature@spaceafternumber\relax}%
20415   \fi
20416 \fi
20417 }
20418 \AtBeginDocument{%
20419   \ifcsname l@part\endcsname
20420     \ifcsname l@chapter\endcsname
20421       \setbox\@tempboxa\vbox{\hsize\maxdimen
20422         \l@part{\tocstyle@l@define{part}{-1}}{}}%
20423     \else
20424       \setbox\@tempboxa\vbox{\hsize\maxdimen
20425         \l@part{\tocstyle@l@define{part}{0}}{}}%
20426     \fi
20427   \fi
20428   \ifcsname l@chapter\endcsname
20429     \setbox\@tempboxa\vbox{\hsize\maxdimen

```



```

20430     \l@chapter{\tocstyle@l@define{chapter}{0}}{}}}%
20431 \fi
20432 \ifcsname l@section\endcsname
20433     \setbox\@tempboxa\vbox{\hsize\maxdimen
20434     \l@section{\tocstyle@l@define{section}{1}}{}}}%
20435 \fi
20436 \ifcsname l@subsection\endcsname
20437     \setbox\@tempboxa\vbox{\hsize\maxdimen
20438     \l@subsection{\tocstyle@l@define{subsection}{2}}{}}}%
20439 \fi
20440 \ifcsname l@subsubsection\endcsname
20441     \setbox\@tempboxa\vbox{\hsize\maxdimen
20442     \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}}%
20443 \fi
20444 \ifcsname l@paragraph\endcsname
20445     \setbox\@tempboxa\vbox{\hsize\maxdimen
20446     \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}}%
20447 \fi
20448 \ifcsname l@subparagraph\endcsname
20449     \setbox\@tempboxa\vbox{\hsize\maxdimen
20450     \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}}%
20451 \fi
20452 \ifcsname l@table\endcsname
20453     \setbox\@tempboxa\vbox{\hsize\maxdimen
20454     \l@table{\tocstyle@l@define{table}{1}}{}}}%
20455 \fi
20456 \ifcsname l@figure\endcsname
20457     \setbox\@tempboxa\vbox{\hsize\maxdimen
20458     \l@figure{\tocstyle@l@define{figure}{1}}{}}}%
20459 \fi
20460 \def\@tempa#1#2#3#4#5{%
20461     \ifnum #1>\c@tocdepth \else
20462         \vskip \z@ \@plus.2\p@
20463         {\if@RTL\rightrightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightrightskip\fi \@tocrm
20464         \parindent #2\relax\@afterindenttrue
20465         \interlinepenalty\@M
20466         \leavevmode
20467         \@tempdima #3\relax
20468         \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
20469         {#4}\nobreak
20470         \leaders\hbox{$\m@th
20471             \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20472             mu$}\hfill
20473         \nobreak
20474         \hb@xt@\@pnumwidth{{\hfil \normalfont \normalcolor #5}}}%
20475         \par}%
20476 \fi}%
20477 \ifx\@dottedtocline\@tempa\else
20478     \tocstyle@macrochangewarning\@dottedtocline
20479 \fi

```



```

20480 \let\tocstyle@saved@dottedtocline\@dottedtocline
20481 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
20482 \ifx\numberline\@tempa\else
20483   \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
20484   \ifx\numberline\@tempa\else
20485     \tocstyle@macrochangewarning\numberline
20486   \fi
20487 \fi
20488 \let\tocstyle@saved@numberline\numberline
20489 }
20490 \renewcommand*{\tocstyle@l@define}[2]{%
20491   \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
20492   \edef\@tempa{%
20493     \noexpand\global\noexpand\let
20494     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
20495     \expandafter\noexpand\csname l@#1\endcsname
20496     \noexpand\gdef
20497     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
20498       \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
20499     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
20500       \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
20501       \expandafter\noexpand\csname tocstyle@l@#1\endcsname
20502     }%
20503   }%
20504   \PackageInfo{tocstyle}{prepare \expandafter\string
20505     \csname l@#1\endcsname\space for redefinition}%
20506   \@tempa
20507 }

```

## 124 File todonotes-xetex-bidi.def

```

20508 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
20509 \newif\if@bidi@todonotes@textdirection@RTL
20510 \newif\if@bidi@todonotes@figposition@right
20511 \newcommand{\@bidi@todonotes@align}{}%
20512 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
20513 \newcommand{\@bidi@todonotes@textdirection}{}%
20514 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,1}
20515 \ifcase\@bidi@todonotes@tempb\relax
20516   \@bidi@todonotes@textdirection@RTLtrue
20517   \let\@bidi@todonotes@textdirection\RLE
20518 \or
20519   \@bidi@todonotes@textdirection@RTLfalse
20520   \let\@bidi@todonotes@textdirection\LRE
20521 \fi}
20522 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,1}
20523 \ifcase\@bidi@todonotes@tempb\relax
20524   \@bidi@todonotes@figposition@righttrue
20525 \or
20526   \@bidi@todonotes@figposition@rightfalse

```



```

20527 \fi}
20528 \if@todonotes@disabled%
20529 \else % \if@todonotes@disabled
20530 \renewcommand{\@todonotes@drawInlineNote}{%
20531   \if@todonotes@dviStyle%
20532     {\par\noindent\begin{tikzpicture}[remember picture]%
20533       \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20534     \if@todonotes@authorgiven%
20535       {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20536     \else%
20537       {\noindent \@todonotes@sizecommand \@todonotes@text}%
20538     \fi
20539     {\par\noindent\begin{tikzpicture}[remember picture]%
20540       \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20541   \else%
20542     {\par\noindent\begin{tikzpicture}[remember picture]%
20543       \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20544       \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al.%
20545         \if@todonotes@authorgiven%
20546           {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20547         \else%
20548           {\noindent \@todonotes@sizecommand \@todonotes@text}%
20549         \fi;%
20550       \end{tikzpicture}\par}%
20551   \fi}%
20552 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20553 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20554   \node [coordinate] (inText) {};%
20555 \end{tikzpicture}%
20556 \marginpar[{\% Draw note in left margin
20557   \@todonotes@drawMarginNote%
20558   \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20559 }]{\% Draw note in right margin
20560   \@todonotes@drawMarginNote%
20561   \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20562 }%
20563 }%
20564 \renewcommand{\@todonotes@drawMarginNote}{%
20565 \if@todonotes@dviStyle%
20566   \begin{tikzpicture}[remember picture]%
20567     \draw node[notestyle] {};%
20568   \end{tikzpicture}\\%
20569   \begin{minipage}{\@todonotes@textwidth}%
20570     \if@todonotes@authorgiven%
20571       \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20572     \else%
20573       \@todonotes@sizecommand \@todonotes@text%
20574     \fi%
20575   \end{minipage}\\%
20576   \begin{tikzpicture}[remember picture]%

```



```

20577         \draw node[notestyle] (inNote) {};%
20578     \end{tikzpicture}%
20579 \else%
20580     \let\originalHbadness\hbadness%
20581     \hbadness 100000%
20582     \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20583         \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20584         \node(X){\vphantom{X}};%
20585         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20586         \if@todonotes@authorgiven%
20587             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@sizecommand\@todonotes@author};%
20588             \node(Y)[below=of X]{};%
20589             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20590         \else%
20591             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20592         \fi%
20593     \end{tikzpicture}%
20594     \hbadness \originalHbadness%
20595 \fi%
20596 \renewcommand{\missingfigure}[2][]{%
20597 \setkeys{todonotes}{#1}%
20598 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20599 \par
20600 \noindent
20601 \begin{tikzpicture}
20602 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20603 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20604 \if@bidi@todonotes@figposition@right%
20605 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20606 \fi%
20607 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20608 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20609 \if@bidi@todonotes@figposition@right%
20610 \end{scope}
20611 \begin{scope}[xshift=-3.8cm]
20612 \fi%
20613 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20614 \draw (2, -0.3) node[right, text
20615 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
20616 \if@bidi@todonotes@figposition@right%
20617 \end{scope}
20618 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20619 \fi%
20620 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20621 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20622 \if@bidi@todonotes@figposition@right%

```





```

20627 \end{scope}
20628 \fi%
20629 \end{tikzpicture}\hfill
20630 }% Ending \missingfigure command
20631 \fi % Ending \@todonotes@ifdisabled
20632 \presetkeys%
20633     {todonotes}%
20634     {align=left,%
20635     textdirection=lefttoright,%
20636     figposition=left}{}%

```

## 125 File wrapfig-xetex-bidi.def

```

20637 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
20638 \let\WF@@everypar\ bidi@n@everypar
20639 \def\WF@putfigmaybef%
20640 \ifinner
20641     \vskip-\parskip \global\WF@floatfalse
20642     \let\pagetotal\maxdimen % kludge flag for "not top of page"
20643 \else % outer page
20644     \@tempdima\pagedepth % save page depth
20645     {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20646     \penalty\interlinepenalty % update pg. parameters
20647     \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20648     \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20649         \global\WF@floatfalse
20650         \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20651     \else
20652         \ifdim\WF@size>\@tempdimb
20653             \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20654             \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20655             \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20656             \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20657             \advance\dimen@.5\baselineskip
20658             \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20659                 \global\WF@floatfalse \pagebreak
20660             \fi
20661         \else % \WF@info{Fits in \the\@tempdimb;}%
20662             \global\WF@floatfalse
20663         \fi\fi
20664     \vskip\@tempdima\relax % (return erased page depth)
20665 \fi
20666 \noindent
20667 \ifWF@float
20668     \WF@fltmes
20669 \else % putting here;
20670     \WF@info{Put \WF@wfname here;}%
20671     {\ifodd\if@twoside\c@page\else\one\fi % assign l/r to i/o placement
20672     \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20673     \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r

```



```

20674 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20675 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20676 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20677 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20678 \xdef\WF@adjlw{\the\@tempdima}%
20679 \ifnum `l=\WF@place % fig on left
20680 \ifRTL%
20681 \kern\@tempdimb \kern\columnsep
20682 \def\@tempa{\hss}% position to left of the gap
20683 \else%
20684 \hss % figure overlaps space to the left
20685 \def\@tempa{\kern\columnsep}% position to left of the gap
20686 \fi%
20687 \else % fig on right
20688 \ifRTL%
20689 \hss
20690 \@tempdima\z@
20691 \def\@tempa{\kern\columnsep}
20692 \else%
20693 \@tempdima\z@ % no left indentation
20694 \kern\@tempdimb \kern\columnsep
20695 \def\@tempa{\hss}% figure overlaps space to the right
20696 \fi%
20697 \fi
20698 \ifdim\@tempdimb<\hsize
20699 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20700 \xdef\WF@adjtlm{\the\@tempdima}%
20701 \else
20702 \xdef\WF@wrapil{\z@ \the\hsize}%
20703 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
20704 \fi
20705 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20706 \global\advance\WF@size-\intextsep
20707 \else % \WF@info{Putting \WF@wfname in middle of page}%
20708 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20709 \fi \dp\WF@box\z@ \box\WF@box \@tempa
20710 }% end \hbox to Opt
20711 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20712 \fi}

```

## 126 File xcolor-xetex-bidi.def

```

20713 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for X
20714 \long\def\color@b@x#1#2#3%
20715 {\leavevmode\ifmmode\else\ifRTL\beginL\fi\fi
20716 \setbox\z@\hbox{\kern\fbboxsep\set@color\ifRTL\beginR\fi#3\ifRTL\endR\fi}\kern\fbboxsep}%
20717 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20718 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20719 {\ifx#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}\ifmmode\else\ifRTL\endL\fi\fi}
20720 \def\normalcolor{\let\current@color\default@color\ifmmode\ifRTL\beginL\aftergroup\endR\fi\fi}

```



```

20721 \DeclareRobustCommand\color
20722 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}
20723 \def\@undeclaredcolor[#1]#2%
20724 {\begingroup
20725 \let\@cls\@empty
20726 \XC@getmodclr12{#1}{#2}{}%
20727 {\ifblendcolors
20728 \ifx\colorblend\@empty\else
20729 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20730 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
20731 \fi
20732 \fi
20733 \ifconvertcolorsU
20734 \edef\@tmp{\XC@tgtmod{\@mod}}%
20735 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20736 \fi
20737 \ifmaskcolors
20738 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20739 \let\@mod\XC@mmod
20740 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20741 \expandafter\XC@mul\@tmp,\@clr
20742 \fi
20743 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20744 \expandafter\endgroup\@tmp}}
20745 \def\@declaredcolor#1%
20746 {\XC@edef\XC@tmp{#1}\XC@@tstfalse
20747 \ifcase\XC@type\XC@tmp\relax \XC@@tsttrue\or \relax\else
20748 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
20749 \ifconvertcolorsU\XC@@tsttrue\fi
20750 \fi
20751 \ifXC@@tst
20752 \expandafter\XC@declaredcolor\else
20753 \expandafter\XC@declaredc@lor\fi}
20754 \def\XC@undeclaredcolor#1#2%
20755 {\@ifundefinedmodel{#1}%
20756 {\c@lor@error{model `#1'}}%
20757 {\@nameuse{color@#1}\current@color{#2}%
20758 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
20759 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20760 \def\XC@declaredc@lor
20761 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
20762 \edef\current@color{\XC@current@color}%
20763 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20764 \DeclareRobustCommand\bidicolor
20765 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20766 \def\@bidiundeclaredcolor[#1]#2%
20767 {\begingroup
20768 \let\@cls\@empty
20769 \XC@getmodclr12{#1}{#2}{}%
20770 {\ifblendcolors

```



```

20771 \ifx\colorblend\@empty\else
20772 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20773 \XC@coremodel\@mod\@clr\@xcolor@{\}\@mod\@clr
20774 \fi
20775 \fi
20776 \ifconvertcolorsU
20777 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20778 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20779 \fi
20780 \ifmaskcolors
20781 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20782 \let\@mod\XC@mmod
20783 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20784 \expandafter\XC@mul\@tmp,\@clr
20785 \fi
20786 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20787 \expandafter\endgroup\@tmp}}
20788 \def\XC@bidiundeclaredcolor#1#2%
20789 {\@ifundefinedmodel{#1}%
20790 {\color@error{model `#1'}}%
20791 {\@nameuse{color@#1}\current@color{#2}%
20792 \edef\XC@current@color{\noexpand\xcolor@{\}\current@color}{#1}{#2}}%
20793 \XC@display}}
20794 \def\@bidideclaredcolor#1%
20795 {\XC@edef\XC@tmp{#1}\XC@tstfalse
20796 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
20797 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20798 \ifconvertcolorsU\XC@tsttrue\fi
20799 \fi
20800 \ifXC@tst
20801 \expandafter\XC@bidideclaredcolor\else
20802 \expandafter\XC@bidideclaredcolor\fi}
20803 \def\XC@bidideclaredcolor
20804 {\XC@split\XC@tmp
20805 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
20806 \expandafter\endgroup\@tmp}
20807 \def\XC@bidideclaredcolor
20808 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
20809 \edef\current@color{\XC@current@color}%
20810 \XC@display}
20811 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20812 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20813 \def\color@fb@x#1#2#3#4%
20814 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
20815 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20816 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

## 127 File latex-xetex-bidi.def

```

20817 \ProvidesFile{latex-xetex-bidi.def}[2019/03/03 v1.3.7 bidi adaptations for `latex.ltx' for Xe

```



```

20818 \newcommand{\TeXeTOn}{\TeXeTstate\@ne}
20819 \newcommand{\TeXeTOff}{\TeXeTstate\z@}
20820 \TeXeTOn
20821 \def\ bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20822 \let\ bidi@o@everypar=\everypar
20823 \newtoks\ bidi@n@everypar
20824 \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
20825 \ bidi@o@everypar{\ bidi@RTL@everypar\the\ bidi@n@everypar}
20826 \let\ everypar=\ bidi@n@everypar
20827 \def\ moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20828 \def\ moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20829 \protected\def\ hboxR{\hbox\bgroup
20830 \everyhbox{%
20831 \aftergroup\egroup
20832 \everyhbox{}}%
20833 \beginR
20834 \@hboxRconstructtrue
20835 \bgroup
20836 \aftergroup\endR
20837 \aftergroup\egroup
20838 }\hbox}
20839 \protected\def\ hboxL{\hbox\bgroup
20840 \everyhbox{%
20841 \aftergroup\egroup
20842 \everyhbox{}}%
20843 \beginL
20844 \@hboxRconstructfalse
20845 \bgroup
20846 \aftergroup\endL
20847 \aftergroup\egroup
20848 }\hbox}
20849 \protected\def\ vboxR{\vbox\bgroup
20850 \everyvbox{%
20851 \aftergroup\egroup
20852 \everyvbox{}}%
20853 \@RTLtrue
20854 \@RTLtabtrue
20855 \bgroup
20856 \aftergroup\egroup
20857 }\vbox}
20858 \protected\def\ vboxL{\vbox\bgroup
20859 \everyvbox{%
20860 \aftergroup\egroup
20861 \everyvbox{}}%
20862 \@RTLfalse
20863 \@RTLtabfalse
20864 \bgroup
20865 \aftergroup\egroup
20866 }\vbox}
20867 \newcommand*{\ bidi@leftskip}{\if@RTL\rightskip\else\leftskip\fi}

```



```

20868 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\rightskip\fi}
20869 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20870 \def\endLTR{\par}
20871 \newenvironment{LTR*}{\LTR
20872   \everypar{%
20873     {\setbox\z@\lastbox
20874       \ifvoid\z@
20875         \kern-\parindent
20876       \fi}%
20877   }%
20878 }{\endLTR\@endpetrue}
20879 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20880 \def\endRTL{\par}
20881 \newenvironment{RTL*}{\RTL
20882   \everypar{%
20883     {\setbox\z@\lastbox
20884       \ifvoid\z@
20885         \kern-\parindent
20886       \fi}%
20887   }%
20888 }{\endRTL\@endpetrue}
20889 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
20890 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
20891 \let\unsetRTL=\setLTR
20892 \let\unsetLTR=\setRTL
20893 \let\LR=\LRE
20894 \let\RL=\RLE
20895 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20896 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20897 \let\@ensure@RL=\@ensure@RTL
20898 \let\@ensure@LR=\@ensure@LTR
20899 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20900 \let\@ensure@maindir=\@ensure@dir
20901 \def\@RTL{RTL}
20902 \def\@LTR{LTR}
20903 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20904 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
20905 \let\@TeX\TeX
20906 \def\TeX{\@ensure@LTR{\@TeX}}
20907 \let\@LaTeX\LaTeX
20908 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
20909 \let\@LaTeXe\LaTeXe
20910 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
20911 \long\def\bidi@reflect@box#1{%
20912   \leavevmode
20913   \setbox\z@\hbox{#1}%
20914   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20915   \hbxt@wd\z@{\kern\wd\z@\box\tw@\hss}%
20916 }
20917 \bidi@newrobustcmd*\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex

```



```

20918 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
20919 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20920 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
20921 \let\setRL=\setRTL
20922 \let\setLR=\setLTR
20923 \let\unsetRL=\setLTR
20924 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
20925 \@ifpackageloaded{array}{%
20926 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20927 \leavevmode
20928 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
20929 \let\dollarend\endgroup
20930 \tabarray}
20931 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20932 }{%
20933 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20934 \leavevmode \hbox \bgroup
20935 $\left.\let\@acol\@tabacol
20936 \let\@classz\@tabclassz
20937 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20938
20939 \def\endbidi@tabular@RTLcases{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
20940 \egroup\right\rbrace $\egroup}}
20941 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20942 \ialign{##\hfil$&\quad{##}\hfil\crrc#1\crrc}}\,\right\}}
20943 \renewenvironment{RTLcases}{%
20944 \bidi@matrix@check\RTLcases\env@RTLcases
20945 }{%
20946 \endbidi@tabular@RTLcases%
20947 }
20948 \def\env@RTLcases{%
20949 \let\@ifnextchar\bidi@new@ifnextchar
20950 \def\arraystretch{1.2}%
20951 \bidi@tabular@RTLcases{@{}r@{\quad}r@{}}%
20952 }
20953 \def\SepMark#1{\gdef\@SepMark{#1}}
20954 \SepMark{.}
20955 \def\@thmcountersep{\@SepMark}
20956 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20957 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20958 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20959 \newcommand*{\bidi@thebibliography@font@hook}{}
20960 \def\list#1#2{%
20961 \ifnum \@listdepth >5\relax
20962 \toodeep
20963 \else
20964 \global\advance\@listdepth\@ne
20965 \fi
20966 \rightmargin\z@
20967 \listparindent\z@

```



```

20968 \itemindent\z@
20969 \csname @list\romannumeral\the\@listdepth\endcsname
20970 \def\@itemlabel{#1}%
20971 \let\makelabel\@mklab
20972 \@nmbrrlistfalse
20973 #2\relax
20974 \@trivlist
20975 \parskip\parsep
20976 \parindent\listparindent
20977 \advance\linewidth -\rightmargin
20978 \advance\linewidth -\leftmargin
20979 \if@bidi@list@minipage@parbox
20980 \if@RTL
20981 \advance\@totalleftmargin \leftmargin
20982 \else
20983 \advance\@totalleftmargin \rightmargin
20984 \fi
20985 \else
20986 \if@hboxRconstruct
20987 \if@bidi@list@minipage@parbox@not@nob
20988 \if@RTL
20989 \advance\@totalleftmargin \rightmargin
20990 \else
20991 \advance\@totalleftmargin \leftmargin
20992 \fi
20993 \else
20994 \if@RTL
20995 \advance\@totalleftmargin \leftmargin
20996 \else
20997 \advance\@totalleftmargin \rightmargin
20998 \fi\fi
20999 \else
21000 \if@RTL
21001 \advance\@totalleftmargin \rightmargin
21002 \else
21003 \advance\@totalleftmargin \leftmargin
21004 \fi\fi\fi
21005 \parshape \@ne \@totalleftmargin \linewidth
21006 \ignorespaces}
21007 \long\def\@iiiiparbox#1#2[#3]#4#5{%
21008 \leavevmode
21009 \@pboxswfalse
21010 \if@hboxRconstruct
21011 \@bidi@list@minipage@parbox@not@nobtrue
21012 \fi
21013 \if@RTL
21014 \ifx#1t%
21015 \@bidi@list@minipage@parboxtrue
21016 \else
21017 \ifx#1b%

```





```

21018         \@bidi@list@minipage@parboxtrue
21019         \fi
21020     \fi
21021 \fi
21022 \setlength\@tempdima{#4}%
21023 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
21024     \ifx\relax#2\else
21025         \setlength\@tempdima{#2}%
21026         \edef\@parboxto{to\the\@tempdima}%
21027     \fi
21028     \if#1b\vbox
21029     \else\if #1t\top
21030     \else\ifmode\center
21031     \else\@pboxswtrue $\vcenter
21032     \fi\fi\fi
21033     \@parboxto{\let\hss\vss\let\unhbox\unvbox
21034         \csname bm#3\endcsname}%
21035     \if@pboxsw \m@th$\fi
21036 \end@tempboxa}
21037 \newenvironment{LTRitems}
21038     {\par\@RTLfalse\@RTLtabfalse
21039     \if@bidi@list@minipage@parbox
21040     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
21041     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
21042     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
21043     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
21044     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\ignorespaces}{\vskip\z@}
21045 \newenvironment{RTLitems}
21046     {\par\@RTLtrue\@RTLtabtrue
21047     \if@bidi@list@minipage@parbox
21048     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
21049     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
21050     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
21051     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
21052     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\ignorespaces}{\vskip\z@}
21053 \newenvironment{LTRbibitems}
21054     {\par\@RTLfalse\@RTLtabfalse
21055     \if@bidi@list@minipage@parbox
21056     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
21057     \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
21058     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
21059     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
21060     \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\ignorespaces}{\vskip\z@}
21061 \newenvironment{RTLbibitems}
21062     {\par\@RTLtrue\@RTLtabtrue
21063     \if@bidi@list@minipage@parbox
21064     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth

```



```

21068             \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
21069             \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
21070             \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
21071             \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
21072             \ignorespaces}\{\vskip\z@}
21073 \def\raggedright{%
21074   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
21075   \leftskip\z@skip
21076   \parindent\z@\parfillskip\z@skip}
21077 \let\@bidi@orig@raggedleft\raggedleft
21078 \let\@bidi@orig@raggedright\raggedright
21079 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRcons
21080 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRcons
21081 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
21082 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
21083 \def\centerline#1{%
21084   \if@RTL\@@line{\hss\beginR#1\endR\hss}
21085   \else\@@line{\hss#1\hss}\fi}
21086 \def\leftline#1{%
21087   \if@RTL\@@line{\beginR#1\endR\hss}
21088   \else\@@line{#1\hss}\fi}
21089 \def\rightline#1{%
21090   \if@RTL\@@line{\hss\beginR#1\endR}
21091   \else\@@line{\hss#1}\fi}
21092 \let\@bidi@orig@leftline\leftline
21093 \let\@bidi@orig@rightline\rightline
21094 \def\leftline#1{\ifhmode\if@RTL\@bidi@orig@rightline{#1}\else\@bidi@orig@leftline{#1}\fi\else\i
21095 \def\rightline#1{\ifhmode\if@RTL\@bidi@orig@leftline{#1}\else\@bidi@orig@rightline{#1}\fi\else\
21096 \def\bidirlap#1{\hb@xt@\z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
21097 \def\bidillap#1{\hb@xt@\z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
21098 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
21099   \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
21100 \def\narrower{%
21101   \advance\if@RTL\rightskip\else\leftskip\fi\parindent
21102   \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
21103 \def\underline#1{%
21104   \relax
21105   \ifmmode\@@underline{#1}%
21106   \else
21107   \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
21108   \else
21109   $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
21110 \ifcompatibility
21111   \let\undertext=\underline
21112 \fi
21113 \def\@tabular{%
21114   \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
21115   $\let\@acol\@tabacol
21116   \let\@classz\@tabclassz
21117   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}

```



```

21118 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
21119 \egroup $\if@RTLtab\endR\fi\egroup}
21120 \expandafter \let \csname endtabular*\endcsname = \endtabular
21121 \def\@array[#1]#2{%
21122 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
21123 \bgroup
21124 \setbox\@arstrutbox\hbox{%
21125 \vrule \@height\arraystretch\ht\strutbox
21126 \@depth\arraystretch \dp\strutbox
21127 \@width\z@}%
21128 \@mkpream{#2}%
21129 \edef\@preamble{%
21130 \ialign \noexpand\@halignto
21131 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
21132 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
21133 \let\@tabularnewline\@%
21134 \let\par\@empty
21135 \let\@sharp##%
21136 \set@typeset@protect
21137 \lineskip\z@skip\baselineskip\z@skip
21138 \ifhmode \@preamerr\z@ \@par\fi
21139 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
21140 \@preamble}
21141 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
21142 \let\@classiv\@arrayclassiv
21143 \let\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
21144 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
21145 \ifnum \@lastchclass=3 5 \else
21146 \z@ \if #1c\@chnum \z@ \else
21147 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
21148 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
21149 \@chclass \if #1|\@ne \else
21150 \if #1@\tw@ \else
21151 \if #1p3 \else \z@ \@preamerr 0\fi
21152 \fi \fi \fi \fi \fi \fi
21153 \fi}
21154 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
21155 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
21156 \def\bm@t{\unhbox\@tempboxa\hss}
21157 \def\bm@b{\hss\unhbox\@tempboxa}
21158 \def\@dottedtocline#1#2#3#4#5{%
21159 \ifnum #1>\c@tocdepth \else
21160 \vskip \z@ \@plus.2\p@
21161 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmargin
21162 \parindent #2\relax\@afterindenttrue
21163 \interlinepenalty\@M
21164 \leavevmode
21165 \@tempdima #3\relax
21166 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
21167 \fi\fi\nobreak

```



```

21168 \leaders\hbox{$\m@th
21169 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
21170 mu$}\hfill
21171 \nobreak
21172 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
21173 \par}%
21174 \fi}
21175
21176 \newcount\bidicolumn@check@number
21177
21178 \def\bidicolumn@status#1{\gdef\bidicurrent@column@status{#1}}
21179
21180 \def\bidiset@column@status#1#2{%
21181 \global\expandafter\let\csname #1\endcsname\bidicurrent@column@status}
21182
21183 \if@twocolumn
21184 \newcommand\DetectColumn[3][1]{%
21185 \ifx\bidifirstcolumn@status@write\relax
21186 \PackageError{bidi}%
21187 {Option 'DetectColumn' not selected}%
21188 {\string\DetectColumn\space
21189 requires the use of the 'DetectColumn'
21190 option on the package}%
21191 \fi
21192 \global\advance\bidicolumn@check@number\@ne
21193 \edef\bidicolumn@type{\expandafter\ifx
21194 \csname bidi@column-\the\bidicolumn@check@number\endcsname\relax
21195 0\else
21196 \csname bidi@column-\the\bidicolumn@check@number\endcsname
21197 \fi}%
21198 \ifcase \bidicolumn@type\relax
21199 \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
21200 \or
21201 #2% % 1 First column
21202 \or
21203 #3% % 2 Second (Last column)
21204 \else
21205 \ERROR
21206 \fi
21207 \edef\next{\write\@auxout
21208 {\string\bidiset@column@status{\bidicolumn-\the\bidicolumn@check@number}}%
21209 {\bidicolumn@type}}}%
21210 \next
21211 }
21212
21213 \AtEndDocument{\def\bidiset@column@status#1#2{%
21214 \ifnum #2=\bidicurrent@column@status\else
21215 \@tempwatrue
21216 \fi}%
21217 }

```



```

21218 \fi
21219
21220 \def\RTL@outputdblcol{%
21221   \if@firstcolumn
21222     \global\@firstcolumnfalse
21223     \global\setbox\@leftcolumn\copy\@outputbox
21224     \splitmaxdepth\maxdimen
21225     \vbadness\maxdimen
21226     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21227     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21228     \toks@\expandafter{\topmark}%
21229     \xdef\@firstcoltopmark{\the\toks@}%
21230     \toks@\expandafter{\splitfirstmark}%
21231     \xdef\@firstcolfirstmark{\the\toks@}%
21232     \ifx\@firstcolfirstmark\@empty
21233       \global\let\@setmarks\relax
21234     \else
21235       \gdef\@setmarks{%
21236         \let\firstmark\@firstcolfirstmark
21237         \let\topmark\@firstcoltopmark}%
21238     \fi
21239   \else
21240     \global\@firstcolumntrue
21241     \setbox\@outputbox\vbox{%
21242       \hb@xt@\textwidth{%
21243         \hskip \columnwidth
21244         \hfil
21245         {\normalcolor\vrule \@width\columnseprule}%
21246         \hfil
21247         \hb@xt@\columnwidth{%
21248           \bidi@firstcolumn@status@write%
21249           \box\@leftcolumn \hss}%
21250         \hskip -\textwidth
21251         \hb@xt@\columnwidth{%
21252           \bidi@lastcolumn@status@write%
21253           \box\@outputbox \hss}%
21254         \hskip \columnsep
21255         \hskip \columnwidth } }%
21256     \@combinedbfloats
21257     \@setmarks
21258     \@outputpage
21259     \begingroup
21260       \@dblfloatplacement
21261       \@startdblcolumn
21262       \@whilesw\if@fcolmade \fi{\@outputpage
21263         \@startdblcolumn}%
21264     \endgroup
21265   \fi}%
21266
21267 \def\LTR@outputdblcol{%

```



```

21268 \if@firstcolumn
21269   \global\@firstcolumnfalse
21270   \global\setbox\@leftcolumn\copy\@outputbox
21271   \splitmaxdepth\maxdimen
21272   \vbadness\maxdimen
21273   \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21274   \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21275   \toks@\expandafter{\topmark}%
21276   \xdef\@firstcoltopmark{\the\toks@}%
21277   \toks@\expandafter{\splitfirstmark}%
21278   \xdef\@firstcolfirstmark{\the\toks@}%
21279   \ifx\@firstcolfirstmark\@empty
21280     \global\let\@setmarks\relax
21281   \else
21282     \gdef\@setmarks{%
21283       \let\firstmark\@firstcolfirstmark
21284       \let\topmark\@firstcoltopmark}%
21285   \fi
21286 \else
21287   \global\@firstcolumntrue
21288   \setbox\@outputbox\vbox{%
21289     \hb@xt@\textwidth{%
21290       \hb@xt@\columnwidth{%
21291         \bidi@firstcolumn@status@write%
21292         \box\@leftcolumn \hss}%
21293       \hfil
21294       {\normalcolor\vrule \@width\columnseprule}%
21295       \hfil
21296       \hb@xt@\columnwidth{%
21297         \bidi@lastcolumn@status@write%
21298         \box\@outputbox \hss}}}%
21299   \@combinedblfloats
21300   \@setmarks
21301   \@outputpage
21302   \begingroup
21303     \@dblfloatplacement
21304     \@startdblcolumn
21305     \@whiles\if@fcolmade \fi{\@outputpage
21306       \@startdblcolumn}%
21307   \endgroup
21308 \fi}%
21309
21310
21311 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
21312 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
21313 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
21314
21315 \bidi@patchcmd\@makecol{%
21316   \ifvoid\footins
21317     \setbox\@outputbox \box\@cclv

```



```

21318 \else
21319 \setbox\@outputbox \vbox {%
21320 \boxmaxdepth \@maxdepth
21321 \unvbox \@cclv
21322 \vskip \skip\footins
21323 \color@begingroup
21324 \normalcolor
21325 \footnoterule
21326 \unvbox \footins
21327 \color@endgroup
21328 }%
21329 \fi
21330 }{%
21331 \ifvoid\footins
21332 \ifvoid\@bidi@copyins@
21333 \setbox\@outputbox \box\@cclv
21334 \else
21335 \setbox\@outputbox \vbox {%
21336 \boxmaxdepth \@maxdepth
21337 \unvbox \@cclv
21338 \vskip \skip\@bidi@copyins@
21339 \color@begingroup
21340 \normalcolor
21341 \unvbox \@bidi@copyins@
21342 \color@endgroup
21343 }%
21344 \fi
21345 \else
21346 \setbox\@outputbox \vbox {%
21347 \boxmaxdepth \@maxdepth
21348 \unvbox \@cclv
21349 \vskip \skip\footins
21350 \color@begingroup
21351 \normalcolor
21352 \footnoterule
21353 \unvbox \footins
21354 \color@endgroup
21355 \ifvoid\@bidi@copyins@
21356 \else
21357 \vskip \skip\@bidi@copyins@
21358 \color@begingroup
21359 \normalcolor
21360 \unvbox \@bidi@copyins@
21361 \color@endgroup
21362 \fi
21363 }%
21364 \fi
21365 }{}{}
21366
21367 \def\LTRmarginpar{%

```



```

21368 \ifhmode
21369   \@bsphack
21370   \@floatpenalty -\@Mii
21371 \else
21372   \@floatpenalty-\@Miii
21373 \fi
21374 \ifinner
21375   \@parmoderr
21376   \@floatpenalty\z@
21377 \else
21378   \@next\@currbox\@freelist{\}%
21379   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21380   {\@floatpenalty\z@
21381     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21382 \fi
21383 \@ifnextchar [\@LTRxmpar\@LTRympar}
21384 \long\def\@LTRxmpar[#1]#2{%
21385   \@LTRsavemarbox\@marbox{#1}%
21386   \@LTRsavemarbox\@currbox{#2}%
21387   \@xympar}
21388 \long\def\@LTRympar#1{%
21389   \@LTRsavemarbox\@marbox{#1}%
21390   \global\setbox\@currbox\copy\@marbox
21391   \@xympar}
21392 \long\def \@LTRsavemarbox #1#2{%
21393   \global\setbox #1%
21394     \color@vbox
21395     \vtop{%
21396       \hsize\marginparwidth
21397       \@parboxrestore
21398       \@LTRmarginparreset
21399       #2%
21400       \@minipagefalse
21401       \outer@nobreak
21402     }%
21403   \color@endbox
21404 }
21405 \def \@LTRmarginparreset {%
21406   \reset@font
21407   \normalsize
21408   \@minipagetrue
21409   \everypar{\@minipagefalse\everypar{}\beginL}%
21410 }
21411 \def\RTLmarginpar{%
21412   \ifhmode
21413     \@bsphack
21414     \@floatpenalty -\@Mii
21415   \else
21416     \@floatpenalty-\@Miii
21417   \fi

```





```

21418 \ifinner
21419 \@parmoderr
21420 \@floatpenalty\z@
21421 \else
21422 \@next\@currbox\@freelist{}\}%
21423 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21424 {\@floatpenalty\z@
21425 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21426 \fi
21427 \@ifnextchar [\@RTLxmpar\@RTLympar}
21428 \long\def\@RTLxmpar[#1]#2{%
21429 \@RTLSavemarbox\@marbox{#1}%
21430 \@RTLSavemarbox\@currbox{#2}%
21431 \@xympar}
21432 \long\def\@RTLympar#1{%
21433 \@RTLSavemarbox\@marbox{#1}%
21434 \global\setbox\@currbox\copy\@marbox
21435 \@xympar}
21436 \long\def \@RTLSavemarbox #1#2{%
21437 \global\setbox #1%
21438 \color@vbox
21439 \vtop{%
21440 \hsize\marginparwidth
21441 \@parboxrestore
21442 \@RTLmarginparreset
21443 #2%
21444 \@minipagefalse
21445 \outer@nobreak
21446 }%
21447 \color@endbox
21448 }
21449 \def \@RTLmarginparreset {%
21450 \reset@font
21451 \normalsize
21452 \@minipagetrue
21453 \everypar{\@minipagefalse\everypar{}\beginR}%
21454 }
21455 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
21456 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
21457 \if@twocolumn
21458 \if@firstcolumn \@tempcnta\m@ne \fi
21459 \else
21460 \if@mparswitch
21461 \ifodd\c@page \else\@tempcnta\m@ne \fi
21462 \fi
21463 \if@reversemargin \@tempcnta -\@tempcnta \fi
21464 \fi
21465 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
21466 \@tempdima\@mparbottom
21467 \advance\@tempdima -\@pageht

```



```

21468 \advance\@tempdima\ht\@marbox
21469 \ifdim\@tempdima >\z@
21470 \latex@warning@no@line {Marginpar on page \thepage\space moved}%
21471 \else
21472 \@tempdima\z@
21473 \fi
21474 \global\@mparbottom\@pageht
21475 \global\advance\@mparbottom\@tempdima
21476 \global\advance\@mparbottom\dp\@marbox
21477 \global\advance\@mparbottom\marginparpush
21478 \advance\@tempdima -\ht\@marbox
21479 \global\setbox \@marbox
21480 \vbox {\vskip \@tempdima
21481 \box \@marbox}%
21482 \global \ht\@marbox \z@
21483 \global \dp\@marbox \z@
21484 \kern -\@pagedp
21485 \nointerlineskip
21486 \hb@xt@\columnwidth
21487 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
21488 \hskip\columnwidth \hskip\marginparsep
21489 \else
21490 \hskip -\marginparsep \hskip -\marginparwidth
21491 \fi
21492 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
21493 \nointerlineskip
21494 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
21495 \long\def\@ympar#1{%
21496 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
21497 \global\setbox\@currbox\copy\@marbox
21498 \@xympar}
21499 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
21500 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
21501 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
21502 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
21503 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
21504 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
21505 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
21506 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
21507 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%
21508 \fi}
21509
21510 \newcommand*{\bidi@font@outputpage}{}
21511
21512 \def\@outputpage{%
21513 \begingroup % the \endgroup is put in by \aftergroup
21514 \let \protect \noexpand
21515 \@resetactivechars
21516 \global\let\@if@newlist\if@newlist
21517 \global\@newlistfalse

```



```

21518 \@parboxrestore
21519 \global\let\bidibeforeOutputPageShipOut\@firstofone
21520 \bidibeforeoutputpageshipouthook
21521 \shipout \vbox{%
21522   \set@typeset@protect
21523   \aftergroup \endgroup
21524   \aftergroup \set@typeset@protect
21525   % correct? or just restore by ending
21526   % the group?
21527 \if@specialpage
21528   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
21529 \fi
21530 \if@twoside
21531   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
21532   \if@RTLmain
21533     \let\@themargin\evensidemargin
21534   \else
21535     \let\@themargin\oddsidemargin
21536   \fi
21537 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
21538   \if@RTLmain
21539     \let\@themargin\oddsidemargin
21540   \else
21541     \let\@themargin\evensidemargin
21542   \fi
21543 \fi
21544 \ifx\@thehead\@empty \let\@thehead\hfil \fi
21545 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
21546 \else %% not @twoside
21547   \ifx\@oddhead\@empty \let\@thehead\hfil \fi
21548   \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
21549 \fi
21550 \reset@font
21551 \normalsize
21552 \bidi@font@@outputpage
21553 \normalsfcodes
21554 \let\label\@gobble
21555 \let\index\@gobble
21556 \let\glossary\@gobble
21557 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21558 \@begindvi
21559 \vskip \topmargin
21560 \moveright\@themargin \vbox {%
21561   \global\let\bidibeforeHeader\@firstofone
21562   \bidibeforeheaderhook
21563   \setbox\@tempboxa \vbox to\headheight{%
21564     \vfil
21565     \color@hbox
21566     \normalcolor
21567     \hbxt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@

```



```

21568      \color@endbox
21569      }%                               %% 22 Feb 87
21570      \dp\@tempboxa \z@
21571      \box\@tempboxa
21572      \vskip \headsep
21573      \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
21574      \bidi@beforeoutputboxoutputpagehook
21575      \box\@outputbox
21576      \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
21577      \bidi@afteroutputboxoutputpagehook
21578      \global\let\@bidi@BeforeFooter\@firstofone
21579      \bidi@beforefooterhook
21580      \baselineskip \footskip
21581      \color@hbox
21582      \normalcolor
21583      \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
21584      \color@endbox
21585      \global\let\@bidi@AfterFooter\@firstofone
21586      \bidi@afterfooterhook
21587      }%
21588      }%
21589      \global\let\@bidi@AfterOutputPageShipOut\@firstofone
21590      \bidi@afteroutputpageshipouthook
21591      \global\let\if@newlist\@if@newlist
21592      \global \colht \textheight
21593      \stepcounter{page}%
21594      \let\firstmark\botmark
21595      \global\let\@bidi@AtEndOutputPage\@firstofone
21596      \bidi@atendoutputpagehook
21597      }
21598      \long\def\@makecaption#1#2{%
21599      \vskip\abovecaptionskip
21600      \sbox\@tempboxa{#1: #2}%
21601      \ifdim \wd\@tempboxa >\hsize
21602      \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21603      \else
21604      \global \@minipagefalse
21605      \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
21606      \fi
21607      \vskip\belowcaptionskip}
21608      \let\@bidi@saved@eqno=\eqno
21609      \let\@bidi@saved@leqno=\leqno
21610      \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@leqno \else \@bidi@saved@eqno \fi}
21611      \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@saved@eqno \else \@bidi@saved@leqno \fi}
21612      \@ifpackageloaded{amsmath}{-}{-}
21613      \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
21614      }
21615      \input{footnote-xetex-bidi.def}
21616      \if@twocolumn
21617      \let\autofooterrule\relax

```



```

21618 \let\leftfootnoterule\relax
21619 \let\rightfootnoterule\relax
21620 \textwidthfootnoterule
21621 \fi
21622 \if@bidi@csundef{@idxitem}{\}%
21623 \renewcommand{\idxitem}{\par\hangindent \if@RTL-\fi40\p@}%
21624 }
21625 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
21626 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
21627 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
21628 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
21629 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
21630 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
21631 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
21632 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
21633 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
21634 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
21635 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
21636 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
21637 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
21638 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
21639 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
21640 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
21641 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
21642 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
21643 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
21644 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
21645 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
21646 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
21647 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
21648 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
21649 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
21650 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
21651 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21652 \@ifpackageloaded{amsmath}{\}%
21653 \@iftagloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
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## 128 File xltextra-xetex-bidi.def



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21768 \let\XeLaTeX\XeLaTeX
21769 \def\XeLaTeX{\@ensure@LTR{\XeLaTeX}}

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