



# The *bidi Package*

Source documentation for version 35.7

to my Master, **Ferdowsi The Great**

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<https://github.com/vafa-ac/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 *bidi Package*

## Bidirectional typesetting in plain $\TeX$ and $\LaTeX$ , using Xe $\TeX$ engine

Source documentation for version 35.7

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



```

49 \insert\footins{%
50   \@RTLtrue%
51   \reset@font%
52   \bidi@RTLfootnotetext@font% \normalfont\footnotesize
53   \interlinepenalty\interfootnotelinepenalty
54   \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
55   \floatingpenalty\@MM \hsize\columnwidth
56   \@parboxrestore \parindent\normalparindent \sloppy
57   \protected@edef\@currentlabel{%
58     \csname p@footnote\endcsname\@thefnmark}%
59   \@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\on\math\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[\@ajmult@cols{\@ajmult@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\advspace{#2}%
201 \begingroup \hyphenpenalty\@M
202 \@ifempty{#4}{%
203 \@tempdima\c@tocindent\@number#1\endcsname\relax
204 }{%
205 \@tempdima#4\relax
206 }%
207 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip
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{\thenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
293 \leftmargin\labelwidth \advance\leftmargin\labelsep
294 \usecounter{enumiv}}%
295 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
296 \sfcode\.\@m
297 }{%
298 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
299 \endlist
300 }
301 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
302 \begingroup
303 \fontsize{\@xivpt}{18}\bfseries\centering
304 \ifnum\c@secnumdepth>\m@ne
305 \leavevmode \hskip-\ifRTL\rightskip\else\leftskip\fi
306 \rlap{\vbox to\z@{\vss
307 \centerline{\normalsize\mdseries
308 \uppercase\@xp{\chaptername}\enspace\thechapter}
309 \vskip 3pc}}\hskip\ifRTL\rightskip\else\leftskip\fi\fi
310 #1\par \endgroup
311 \skip@34\p@ \advance\skip@-\normalbaselineskip
312 \vskip\skip@ }
313 \def\maketitle{\par
314 \@topnum\z@ % this prevents figures from falling at the top of page 1
315 \begingroup
316 \@maketitle
317 \endgroup
318 \c@footnote\z@
319 \def\do##1{\let##1\relax}%
320 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
321 \do\author \do\@xauthor \do\address \do\@xaddress
322 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
323 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
324 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
325 }

```

## 5 File amsmath-xetex-bidi.def

```

326 \ProvidesFile{amsmath-xetex-bidi.def}[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 \@ne \@chnum \@ne \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\@ne \else
356 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
357 \z@ \@chclass
358 \if \@nextchar |\@ne \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\beginR
373 \let\d@llarend\endR
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\@hboxRc
398 \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
399 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@pream
400 \def\array{\colsep\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\righskip\else\leftskip\fi\@tempdima
527     \hskip -\if@RTL\righskip\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\righ@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 {
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\@makefn#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##1{\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 \iftwocolumn
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{\thesubsection\@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}\@revelabeltrue
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 \if@RTLtab r\else l\fi\@ne \else
1381 \if \@nextchar \if@RTLtab 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@class@start{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 \@ne \else
1419             \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1420             \@chclass
1421             \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1422             \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1423             \if #1;\@ne \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 \@firstampfalse \@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 \@firstampfalse \@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{2019/03/03}
1496 \def\bidi@version{35.7}
1497 \ProvidesPackage{bidi}[\bididate\space v\bidi@version\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--2019 Vafa Khalighi^^J%
1510 * ^^J%

```



```

1511 * v\bidiversion, \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/vafa-ac/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{bidiutils}
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 March 3, 2019.
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\ bidi@digits
1768 \XeTeXinterchartokenstate=\@ne
1769 \newXeTeXintercharclass\ bidi@digits@charclass
1770 \newXeTeXintercharclass\ bidi@sepmark@charclass
1771 \XeTeXcharclass `\. \ bidi@sepmark@charclass
1772 \XeTeXcharclass `\- \ bidi@sepmark@charclass
1773 \ bidi@digits=\0 \loop \XeTeXcharclass \ bidi@digits \ bidi@digits@charclass \ifnum\ bidi@digits<
1774 \ bidi@digits=\ \loop \XeTeXcharclass \ bidi@digits \ bidi@digits@charclass \ifnum\ bidi@digits<
1775 \XeTeXinterchartoks \ bidi@sepmark@charclass \ bidi@digits@charclass = {\DigitsDotDashInterChar
1776 \newcommand*{\DigitsDotDashInterCharToks}{\if@nonlatin\char"200F \fi}
1777 \ bidi@AtEndPreamble{%
1778 \if@ bidi@perpage@footnote
1779 \RequirePackage{ bidi-perpage}%
1780 \ResetCounterPerPage{footnote}%
1781 \fi
1782 \ifx\ bidi@pdfencrypt@ownerpassword\ bidi@empty
1783 \ifx\ bidi@pdfencrypt@userpassword\ bidi@empty
1784 \@ bidi@pdfencryptfalse
1785 \else
1786 \@ bidi@pdfencrypttrue
1787 \fi
1788 \else
1789 \@ bidi@pdfencrypttrue
1790 \fi
1791 \if@ bidi@pdfencrypt
1792 \special{pdf:encrypt
1793 userpw (\ bidi@pdfencrypt@userpassword)
1794 ownerpw (\ bidi@pdfencrypt@ownerpassword)
1795 length \ bidi@pdfencrypt@keylength
1796 perm \ bidi@pdfencrypt@permissionflags
1797 }%
1798 \fi
1799 }
1800 \AtEndDocument{%
1801 \special{pdf:%
1802 docinfo<<%
1803 \if@ bidi@pdfm@mark
1804 /Creator(\@ bidi@pdfcreator)%
1805 /Producer(\@ bidi@pdfproducer)%
1806 \fi
1807 /BIDI.Fullbanner(\@ bidi@pdfcustomproperties)%
1808 \if@ bidi@csdef{\@ xepersian@pdfcustomproperties}{%
1809 /XEPERSIAN.Fullbanner(\@ xepersian@pdfcustomproperties)%
1810 }{}%

```



```

1811     >>%
1812   }%
1813 }

```

## 15 File `bidi.tex`

```

1814 \def\bididate{2019/03/03}
1815 \catcode`@=11
1816 \def\bidi@version{35.7}
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--2019 Vafa Khalighi^^J%
1830 * ^^J%
1831 * v\bidi@version, \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/vafa-ac/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\bidi@version{%
1845   \relax
1846   \ifmmode
1847     \bidi@version
1848   \else
1849     $\bidi@version$
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@\@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, \bididate
1907 }

```



```

1908 \def\@bidi@pdfproducer{%
1909   The bidi package, v\@bidi@version, \bididate
1910 }
1911 \def\@bidi@pdfcustomproperties{%
1912   This is the bidi package, Version \@bidi@version,
1913   Released March 3, 2019.
1914 }
1915 \def\bidi@pdfm@mark{%
1916   \special{pdf:
1917     docinfo<<%
1918     \if@bidi@pdfm@mark
1919       /Creator(\@bidi@pdfcreator)%
1920       /Producer(\@bidi@pdfproducer)%
1921     \fi
1922     /BIDI.Fullbanner(\@bidi@pdfcustomproperties)%
1923     >>%
1924   }%
1925 }
1926 \def\bidipdfinfoon{\@bidi@pdfm@marktrue}
1927 \def\bidipdfinfooff{\@bidi@pdfm@markfalse}
1928 \input plain-xetex-bidi.def
1929 \@bidi@inslogo@
1930 \outer\def\bye{\par\vfill\supereject\bidi@pdfm@mark\end}
1931 \catcode`@=12
1932 \bidipdfinfoon

```

## 16 File bidi2in1.sty

```

1933 \NeedsTeXFormat{LaTeX2e}
1934 \ProvidesPackage{bidi2in1}
1935 \pagestyle{plain}
1936 \newcount\evenpage
1937 \newcount\oddpge
1938 \twocolumn
1939 \def\@oddfot{\evenpage=\thepage%
1940 \multiply\evenpage by 2%
1941 \oddpge=\the\evenpage%
1942 \advance\oddpge by -1%
1943 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1944 \def\@evenfoot{\evenpage=\thepage%
1945 \multiply\evenpage by 2%
1946 \oddpge=\the\evenpage%
1947 \advance\oddpge by -1%
1948 \hfil\the\oddpge\hfil\hfil\the\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]{\normalfont\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}$}
2059 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2060 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
2061 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2062 \def\CAny{\Coordx{}}
2063 \def\CIIAny{\Coordx{}}
2064 \def\coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
2065 \def\coordin{\Coordx{n},\kern 1pt\Coordy{n}}
2066 \def\coordi#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
2067 \def\coordx#1{\$x_{#1}$}
2068 \def\coordy#1{\$y_{#1}$}
2069 \def\coordz#1{\$z_{#1}$}
2070 \def\cAny{\Coordx{}}
2071 \def\ciiAny{\Coordx{}}
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   \fbxsep3pt
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@sf@@footnote\footnote
2126 \let\FN@sf@@LTRfootnote\LTRfootnote
2127 \let\FN@sf@@RTLfootnote\RTLfootnote
2128 \def\footnote{\ifx\protect\@typeset@protect
2129   \expandafter\FN@sf@@footnote
2130   \else
2131     \expandafter\FN@sf@gobble@opt
2132   \fi
2133 }
2134 \def\LTRfootnote{\ifx\protect\@typeset@protect
2135   \expandafter\FN@sf@@LTRfootnote
2136   \else
2137     \expandafter\FN@sf@gobble@opt
2138   \fi
2139 }
2140 \def\RTLfootnote{\ifx\protect\@typeset@protect
2141   \expandafter\FN@sf@@RTLfootnote
2142   \else
2143     \expandafter\FN@sf@gobble@opt
2144   \fi
2145 }
2146 \edef\FN@sf@gobble@opt{\noexpand\protect
2147   \expandafter\noexpand\csname FN@sf@gobble@opt \endcsname}
2148 \expandafter\def\csname FN@sf@gobble@opt \endcsname{%

```





```

2149 \@ifnextchar [%]
2150   \FN@sf@gobble@twobrace
2151   \gobble
2152 }
2153 \def\FN@sf@gobble@twobrace[#1]#2{
2154 \let\FN@sf@footnotemark\footnotemark
2155 \def\footnotemark{\ifx\protect\@typeset@protect
2156   \expandafter\FN@sf@footnotemark
2157   \else
2158     \expandafter\FN@sf@gobble@optonly
2159   \fi
2160 }
2161 \edef\FN@sf@gobble@optonly{\noexpand\protect
2162   \expandafter\noexpand\csname FN@sf@gobble@optonly \endcsname}
2163 \expandafter\def\csname FN@sf@gobble@optonly \endcsname{%
2164   \@ifnextchar [%]
2165     \FN@sf@gobble@brace
2166     }%
2167 }
2168 \def\FN@sf@gobble@brace[#1]{
2169 \def\@tabular{%
2170   \leavevmode \hbox \bgroup
2171   \let\@footnotetext\@bidi@p@ftntext
2172   \let\@LTRfootnotetext\@bidi@p@LTRftntext
2173   \let\@RTLfootnotetext\@bidi@p@RTLftntext
2174   \let\@xfootnotenext\@bidi@p@xftntext
2175   \let\@xfootnote\@bidi@p@xfootnote
2176   \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
2177   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2178   \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
2179   \let\@xRTLfootnote\@bidi@p@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\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi}
2188 \long\def\@bidi@p@ftntext#1{%
2189   \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}%
2190   \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
2191 \long\def\@bidi@p@LTRftntext#1{%
2192   \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2193   \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
2194 \long\def\@bidi@p@RTLftntext#1{%
2195   \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}%
2196   \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
2197
2198

```



```

2199 \long\def\bidi@p@xftntext[#1]#2{%
2200   \global\bidi@p@ftn\expandafter{\the\bidi@p@ftn\footnotetext[#1]{#2}}
2201
2202 \long\def\bidi@p@xLTRftntext[#1]#2{%
2203   \global\bidi@p@ftn\expandafter{\the\bidi@p@ftn\LTRfootnotetext[#1]{#2}}
2204
2205 \long\def\bidi@p@xRTLftntext[#1]#2{%
2206   \global\bidi@p@ftn\expandafter{\the\bidi@p@ftn\RTLfootnotetext[#1]{#2}}
2207
2208
2209 \def\bidi@p@xfootnote[#1]{%
2210   \begingroup
2211     \csname c@\mpfn\endcsname #1\relax
2212     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2213   \endgroup
2214   \@footnotemark\bidi@p@xftntext[#1]}
2215
2216
2217 \def\bidi@p@xLTRfootnote[#1]{%
2218   \begingroup
2219     \csname c@\mpfn\endcsname #1\relax
2220     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2221   \endgroup
2222   \@footnotemark\bidi@p@xLTRftntext[#1]}
2223
2224
2225 \def\bidi@p@xRTLfootnote[#1]{%
2226   \begingroup
2227     \csname c@\mpfn\endcsname #1\relax
2228     \unrestored@protected@xdef\@thefnmark{\thempfn}%
2229   \endgroup
2230   \@footnotemark\bidi@p@xRTLftntext[#1]}
2231
2232 \def\@xfloat #1[#2]{%
2233   \@nodocument
2234   \def \@capttype {#1}%
2235   \def \@fps {#2}%
2236   \@onelevel@sanitize \@fps
2237   \def \reserved@b {!}%
2238   \ifx \reserved@b \@fps
2239     \@fpsaddefault
2240   \else
2241     \ifx \@fps \@empty
2242       \@fpsaddefault
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\@xFTN\@xFTN\@xFTN\@xFTN\@xFTN\@xFTN\@xFTN\@xFTN\@xFTN\@xFTN
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\@ptsizet{}
2340 \DeclareOption{10pt}{\renewcommand\@ptsizet{10}}
2341 \DeclareOption{11pt}{\renewcommand\@ptsizet{11}}
2342 \DeclareOption{12pt}{\renewcommand\@ptsizet{12}}
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*\emailsymbol{\Letter}
2399 \definecolor{firstnamecolor}{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*\quoteftfont{}
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*\addressstyle[1]{\addressfont\@addresscolour#1}
2421 \providecommand*\quotestyle[1]{\quoteftfont\@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{sectionrectangle}
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*{\s
2491 \newcommand*\cvlistitem}[2][\listitemsymbol]{%
2492 \cvline[Opt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}
2493 \newcommand*\cvlistdoubleitem}[3][\listitemsymbol]{%
2494 \cvline[Opt]{\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{
2510 \newcommand*\cvcomputer}[4]{%
2511   \cvdoubleitem{#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\pagen
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\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@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}[2018/12/11 v1.9 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{\@currentenv}}}%
2651 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2652 \begingroup
2653 \expandafter\let\csname\@currentenv\endcsname\bidi@collect@body
2654 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentenv\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{\@currentenv}}}%
2675 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2676 \begingroup
2677 \expandafter\let\csname\@currentenv\endcsname\bidi@collect@long@@body
2678 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currentenv\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\@currenenv\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{@tempwa\@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{@tempwa\@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{@tempwa\@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{@tempwa\@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   \if@RTL
2783     \expandafter\@firstoftwo
2784   \else
2785     \expandafter\@secondoftwo
2786   \fi}
2787 \newcommand*\ifLtoR{%
2788   \if@RTL
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 #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
2926 \newcommand*{\setbaselineskip}[1]{%
2927 \linespread{\strip@pt\dimexpr\numexpr\dimexpr#1\relax*65536/\dimexpr\baselineskip\relax}
2928 \selectfont
2929 }
2930
2931
2932 \newcommand*{\bidi@newrobustcmd}{-}
2933 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2934
2935 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2936
2937 \def\bidi@newcommand#1[#2]{%
2938 \@ifnextchar[%
2939 {\bidi@xargdef#1[#2]}

```





```

2940   {\ifx\l@ngrel@x\relax
2941     \let\l@ngrel@x\protected
2942     \else
2943       \protected\def\l@ngrel@x{\protected\long}%
2944     \fi
2945     \@argdef#1[#2]}}
2946
2947 \long\def\bidi@xargdef#1[#2][#3]#4{%
2948   \ifdefinable#1{%
2949     \expandafter\protected
2950     \expandafter\def
2951     \expandafter#1%
2952     \expandafter{%
2953       \expandafter\@testopt
2954       \csname\string#1\endcsname{#3}}%
2955     \expandafter\@yargdef\csname\string#1\endcsname\tw#{2}#{4}}}}
2956
2957 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2958
2959 \def\bidi@renew@command#1{%
2960   \if@bidi@undef{#1}
2961     {\bidi@error{\string#1 undefined}\@ehc}
2962     {}%
2963   \let\@ifdefinable\@rc@ifdefinable
2964   \bidi@new@command#1}
2965
2966
2967
2968 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2969
2970 \def\bidi@provide@command#1{%
2971   \if@bidi@undef{#1}
2972     {\def\reserved@a{\bidi@new@command#1}}
2973     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2974   \reserved@a}
2975
2976 \newcommand*{\bidi@csuse}[1]{%
2977   \ifcsname#1\endcsname
2978     \csname#1\expandafter\endcsname
2979   \fi}
2980
2981 \newcommand{\bidi@expandonce}[1]{%
2982   \unexpanded\expandafter{#1}}
2983
2984 \def\bidi@protected{%
2985   \let\@@protect\protect
2986   \let\protect\@unexpandable@protect
2987   \afterassignment\restore@protect}
2988
2989 \bidi@newrobustcmd{\bidi@appto}[2]{%

```



```

2990 \if@bidi@undef{#1}
2991   {\edef#1{\unexpanded{#2}}}
2992   {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2993 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2994 \if@bidi@undef{#1}
2995   {\edef#1{#2}}
2996   {\edef#1{\bidi@expandonce#1#2}}}
2997 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2998 \if@bidi@undef{#1}
2999   {\xdef#1{\unexpanded{#2}}}
3000   {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
3001 \bidi@newrobustcmd{\bidi@xappto}[2]{%
3002 \if@bidi@undef{#1}
3003   {\xdef#1{#2}}
3004   {\xdef#1{\bidi@expandonce#1#2}}}
3005
3006 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
3007 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
3008
3009
3010
3011 \bidi@newrobustcmd{\bidi@preto}[2]{%
3012 \if@bidi@undef{#1}
3013   {\edef#1{\unexpanded{#2}}}
3014   {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
3015 \bidi@newrobustcmd{\bidi@epreto}[2]{%
3016 \if@bidi@undef{#1}
3017   {\edef#1{#2}}
3018   {\edef#1{#2\bidi@expandonce#1}}}
3019 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
3020 \if@bidi@undef{#1}
3021   {\xdef#1{\unexpanded{#2}}}
3022   {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}}
3023 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
3024 \if@bidi@undef{#1}
3025   {\xdef#1{#2}}
3026   {\xdef#1{#2\bidi@expandonce#1}}}
3027
3028 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
3029 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
3030
3031
3032
3033 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
3034 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
3035 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
3036 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
3037 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
3038 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
3039

```



```

3040
3041
3042 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
3043 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
3044 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
3045 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
3046 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
3047 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
3048
3049
3050
3051 \bidi@newrobustcmd{\if@bidi@patchable}{%
3052 \bidi@dbg@trce\if@bidi@patchable
3053 \begingroup
3054 \@makeother\#%
3055 \@ifstar\bidi@ifpatchable@i\bidi@ifpatchable}
3056
3057 \long\def\bidi@ifpatchable#1#2{%
3058 \endgroup
3059 \bidi@dbg@init#1%
3060 \if@bidi@undef{#1}
3061 {\bidi@dbg@fail{def}\@secondoftwo}
3062 {\bidi@dbg@info{def}%
3063 \if@bidi@defmacro{#1}
3064 {\bidi@dbg@info{mac}%
3065 \bidi@ifscanable{#1}
3066 {\bidi@ifhashcheck{#2}
3067 {\bidi@dbg@info{tok}%
3068 \bidi@ifpattern#1{#2}
3069 {\bidi@dbg@info{pat}%
3070 \bidi@dbg@info{pos}\@firstoftwo}
3071 {\bidi@dbg@fail{pat}\@secondoftwo}}
3072 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3073 {\bidi@dbg@fail{tok}\@secondoftwo}}
3074 {\bidi@dbg@fail{mac}\@secondoftwo}}}}
3075
3076 \long\def\bidi@ifpatchable@i#1{%
3077 \endgroup
3078 \bidi@dbg@init#1%
3079 \if@bidi@undef{#1}
3080 {\bidi@dbg@fail{def}\@secondoftwo}
3081 {\bidi@dbg@info{def}%
3082 \if@bidi@defmacro{#1}
3083 {\bidi@dbg@info{mac}%
3084 \if@bidi@defparam{#1}
3085 {\bidi@dbg@info{prm}%
3086 \bidi@ifscanable{#1}
3087 {\bidi@dbg@info{tok}%
3088 \bidi@dbg@info{pos}\@firstoftwo}
3089 {\bidi@dbg@fail{tok}\@secondoftwo}}

```



```

3090         {\bidi@dbg@info{prl}}%
3091         \if@bidi@defprotected{#1}
3092         {\bidi@dbg@info{pro}}
3093         }%
3094         \bidi@dbg@info{pos}\@firstoftwo}}
3095     {\bidi@dbg@fail{mac}\@secondoftwo}}
3096
3097 \bidi@newrobustcmd*{\bidi@patchcmd}{%
3098   \bidi@dbg@trce\bidi@patchcmd
3099   \begingroup
3100   \@makeother\#%
3101   \bidi@@patchcmd}
3102
3103 \newcommand{\bidi@@patchcmd}[4][#####1]{%
3104   \bidi@ifpatchable#2{#3}
3105   {\bidi@dbg@succ{ret}}%
3106   \begingroup
3107   \edef\bidi@resrvda{%
3108     \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
3109       #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
3110     \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
3111       ####1\detokenize{#4}####2}%
3112     \edef\noexpand\bidi@resrvda{%
3113       \noexpand\bidi@resrvda\meaning#2&}}%
3114   \bidi@resrvda
3115   \bidi@patchcmd@scantoks\bidi@resrvda
3116   \let#2\bidi@resrvda
3117   \bidi@undef\bidi@resrvda
3118   \@firstoftwo}
3119   {\@secondoftwo}}
3120
3121 \def\bidi@patchcmd@scantoks#1{%
3122   \edef\bidi@resrvda{\endgroup
3123     \unexpanded{\makeatletter\scantokens}{#1}%
3124     \catcode\number`\@=\the\catcode`\@ \relax}%
3125   \bidi@resrvda}
3126
3127 \newcommand\bidi@isloaded[2][ ]{
3128   \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
3129   \expandafter\newif\csname if@bidi@#2loaded@\endcsname
3130   \fi
3131   \@ifpackageloaded{#2}
3132   {\csname @bidi@#2loaded@true\endcsname #1}
3133   {\csname @bidi@#2loaded@false\endcsname}}
3134
3135 \protected\def\bidi@ifscanable#1{%
3136   \begingroup
3137   \edef\bidi@resrvda{%
3138     \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
3139       ####1\def\string\bidi@resrvda####2{####3}}%

```



```

3140 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
3141 \bidi@resrvda
3142 \makeatletter
3143 \scantokens\expandafter{\bidi@resrvda}%
3144 \expandafter\endgroup\ifx#1\bidi@resrvda
3145 \expandafter\@firstoftwo
3146 \else
3147 \expandafter\@secondoftwo
3148 \fi}
3149
3150
3151 \protected\long\def\bidi@ifhashcheck#1{%
3152 \begingroup
3153 \edef\bidi@resrvda{\detokenize{#1}}%
3154 \expandafter\endgroup
3155 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
3156
3157 \edef\bidi@ifhashcheck@i#1&{%
3158 \noexpand\expandafter
3159 \noexpand\bidi@ifhashcheck@ii
3160 \noexpand\strip@prefix#1\string#\string#&}
3161
3162 \edef\bidi@ifhashcheck@ii{%
3163 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&%
3164 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
3165
3166
3167 \protected\long\def\bidi@ifpattern#1#2{%
3168 \begingroup
3169 \edef\bidi@resrvda{%
3170 \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
3171 \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{####2}}%
3172 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda
3173 \expandafter\strip@prefix\meaning#1\detokenize{#2}&%
3174 \noexpand\bidi@resrvda}
3175 \bidi@resrvda\@secondoftwo\@firstoftwo}
3176
3177
3178 \newcommand{\if@bidi@defparam}{%
3179 \long\edef\if@bidi@defparam#1{%
3180 \noexpand\expandafter\noexpand\bidi@ifdefparam
3181 \noexpand\meaning#1\detokenize{macro}:->&}
3182 \edef\bidi@ifdefparam{%
3183 \def\noexpand\bidi@ifdefparam##1\detokenize{macro}:##2->##3&}
3184 \bidi@ifdefparam{\bidi@notblank{#2}}
3185
3186
3187 \newcommand{\if@bidi@defprotected}{%
3188 \long\edef\if@bidi@defprotected#1{%
3189 \noexpand\expandafter\noexpand\bidi@ifdefprotected

```



```

3190 \noexpand\meaning#1\string\protected&}
3191 \edef\bidi@ifdefprotected{%
3192 \def\noexpand\bidi@ifdefprotected##1\string\protected##2&}
3193 \bidi@ifdefprotected{\bidi@notblank{#2}}
3194
3195
3196 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
3197
3198 \let\bidi@dbg@trce@gobble
3199 \let\bidi@dbg@init@gobble
3200 \let\bidi@dbg@info@gobble
3201 \let\bidi@dbg@succ@gobble
3202 \let\bidi@dbg@fail@gobble
3203
3204
3205
3206 \bidi@newrobustcmd*{\bidi@apptocmd}{%
3207 \bidi@dbg@trce\bidi@apptocmd
3208 \begingroup
3209 \@makeother\#%
3210 \bidi@hooktocmd\bidi@append}
3211
3212
3213
3214 \bidi@newrobustcmd*{\bidi@pretocmd}{%
3215 \bidi@dbg@trce\bidi@pretocmd
3216 \begingroup
3217 \@makeother\#%
3218 \bidi@hooktocmd\bidi@prepend}
3219
3220 \long\def\bidi@hooktocmd#1#2#3{%
3221 \endgroup
3222 \bidi@dbg@init#2%
3223 \if\bidi@undef{#2}
3224 {\bidi@dbg@fail{def}\@secondoftwo}
3225 {\bidi@dbg@info{def}%
3226 \if\bidi@defmacro{#2}
3227 {\bidi@dbg@info{mac}%
3228 \if\bidi@defparam{#2}
3229 {\bidi@dbg@info{prm}%
3230 \bidi@ifscanable{#2}
3231 {\bidi@ifhashcheck{#3}
3232 {\bidi@dbg@info{tok}%
3233 \bidi@dbg@succ{ret}%
3234 \bidi@hooktocmd@i#1#2{#3}%
3235 \@firstoftwo}
3236 {\bidi@dbg@fail{hsh}\@secondoftwo}}
3237 {\bidi@dbg@fail{tok}\@secondoftwo}}
3238 {\bidi@dbg@info{prl}%
3239 \if\bidi@defprotected{#2}

```



```

3240         {\bidi@dbg@info{pro}%
3241          \bidi@dbg@succ{red}%
3242          \protected}
3243         {\bidi@dbg@succ{red}}%
3244         \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
3245         \@firstoftwo}}
3246     {\bidi@dbg@fail{mac}\@secondoftwo}}
3247
3248 \long\def\bidi@hooktocmd@i#1#2#3{%
3249   \begingroup
3250   \edef\bidi@resrvda{%
3251     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3{%
3252       ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}%
3253     \edef\noexpand\bidi@resrvda{%
3254       \noexpand\bidi@resrvda\meaning#2&}}%
3255     \bidi@resrvda
3256     \bidi@patchcmd@scantoks\bidi@resrvda
3257     \let#2\bidi@resrvda
3258     \bidi@undef\bidi@resrvda}
3259
3260 \long\def\bidi@append#1#2{#1#2}
3261 \long\def\bidi@prepend#1#2{#2#1}
3262
3263 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3264 \newcommand*{\bidi@endpreamblehook}{}
3265
3266 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipouthook}
3267 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
3268
3269 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
3270 \newcommand*{\bidi@beforeheaderhook}{}
3271
3272 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutputpagehook}
3273 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
3274
3275 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpagehook}
3276 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
3277
3278 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
3279 \newcommand*{\bidi@beforefooterhook}{}
3280
3281 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
3282 \newcommand*{\bidi@afterfooterhook}{}
3283
3284
3285 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
3286 \newcommand*{\bidi@afteroutputpageshipouthook}{}
3287
3288 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
3289 \newcommand*{\bidi@atendoutputpagehook}{}

```



```

3290
3291 \bidi@preto\document{%
3292   \endgroup
3293   \let\bidi@AtEndPreamble\@firstofone
3294   \bidi@endpreamblehook
3295   \protected\def\bidi@AtEndPreamble{\@notprerr@gobble}%
3296   \bidi@undef\bidi@endpreamblehook
3297   \begingroup}
3298
3299 \bidi@newrobustcmd*\bidi@AfterPreamble{\AtBeginDocument}
3300 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3301
3302 \bidi@newrobustcmd*\bidi@AfterEndPreamble{\bidi@gappto\bidi@afterendpreamblehook}
3303 \newcommand*\bidi@afterendpreamblehook{}
3304
3305 \bidi@appto\document{%
3306   \let\bidi@AfterEndPreamble\@firstofone
3307   \bidi@afterendpreamblehook
3308   \protected\def\bidi@AfterEndPreamble{\@notprerr@gobble}%
3309   \bidi@undef\bidi@afterendpreamblehook
3310   \ignorespaces}
3311
3312 \bidi@newrobustcmd*\bidi@AfterEndDocumentCheckLabelsRerun{\bidi@gappto\bidi@afterenddocument}
3313 \newcommand*\bidi@afterenddocumentchecklabelsrerunhook{}
3314
3315 \bidi@patchcmd\enddocument
3316   {\fi\endgroup}
3317   {\let\bidi@AfterEndDocumentCheckLabelsRerun\@firstofone
3318    \bidi@afterenddocumentchecklabelsrerunhook
3319    \fi\endgroup}
3320   {}
3321   {\PackageWarning{biditools}{Patching `string\enddocument' failed}}
3322
3323 \AtEndDocument{\let\bidi@AfterEndPreamble@gobble}
3324
3325 \bidi@newrobustcmd*\bidi@AfterLastShipout{\bidi@gappto\bidi@afterlastshipouthook}
3326 \newcommand*\bidi@afterlastshipouthook{}
3327
3328 \bidi@patchcmd\enddocument
3329   {\clearpage}
3330   {\clearpage
3331    \let\bidi@AfterLastShipout\@firstofone
3332    \bidi@afterlastshipouthook}
3333   {}
3334   {\let\bidi@clearpage\clearpage
3335    \def\clearpage{%
3336     \bidi@clearpage
3337     \let\bidi@AfterLastShipout\@firstofone
3338     \bidi@afterlastshipouthook}}
3339

```





```

3340 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterrendefdocumenthook}
3341 \newcommand*{\bidi@afterrendefdocumenthook}{\bidi@afterrendefdocumenthook}
3342
3343 \bidi@patchcmd\enddocument
3344   {\deadcycles}
3345   {\let\bidi@AfterEndDocument\@firstofone
3346     \bidi@afterrendefdocumenthook
3347     \deadcycles}
3348   {}
3349   {\let\bidi@@end\@end
3350     \def\@end{%
3351       \let\bidi@AfterEndDocument\@firstofone
3352       \bidi@afterrendefdocumenthook
3353       \bidi@@end}}
3354
3355 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3356   \bidi@csgappto{\bidi@begin@#1@hook}}
3357
3358 \bidi@patchcmd\begin
3359   {\csname #1\endcsname}
3360   {\bidi@csuse{\bidi@begin@#1@hook}%
3361     \csname #1\endcsname}
3362   {}
3363   {\bidi@warning{%
3364     Patching '\string\begin' failed!\MessageBreak
3365     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3366
3367
3368
3369 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3370   \bidi@csgappto{\bidi@end@#1@hook}}
3371
3372 \bidi@patchcmd\end
3373   {\csname end#1\endcsname}
3374   {\bidi@csuse{\bidi@end@#1@hook}%
3375     \csname end#1\endcsname}
3376   {}
3377   {\bidi@warning{%
3378     Patching '\string\end' failed!\MessageBreak
3379     '\string\bidi@AtEndEnvironment' will not work\@gobble}}
3380
3381
3382
3383 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3384   \bidi@csgappto{\bidi@beforebegin@#1@hook}}
3385
3386 \bidi@pretocmd\begin
3387   {\bidi@csuse{\bidi@beforebegin@#1@hook}}
3388   {}
3389   {\bidi@warning{%

```



```

3390     Patching '\string\begin' failed!\MessageBreak
3391     '\string\@bidi@BeforeBeginEnvironment' will not work\@gobble}}
3392
3393
3394
3395 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3396   \bidi@csgappto{@bidi@afterend@#1@hook}}
3397
3398 \bidi@patchcmd\end
3399   {\if@ignore}
3400   {\bidi@csuse{@bidi@afterend@#1@hook}%
3401     \if@ignore}
3402   {}
3403   {\bidi@warning{%
3404     Patching '\string\end' failed!\MessageBreak
3405     '\string\@bidi@AfterEndEnvironment' will not work\@gobble}}
3406
3407 \def\bidi@namedef#1{\expandafter\def\csname #1\endcsname}
3408 \def\bidi@namedef#1{\expandafter\gdef\csname #1\endcsname}
3409 \def\bidi@namedef#1{\expandafter\edef\csname #1\endcsname}
3410 \def\bidi@namedef#1{\expandafter\xdef\csname #1\endcsname}
3411
3412 % From David Carlisle:
3413 % The \@stpelt redefinition below belongs to Heiko Oberdiek
3414 % See also https://github.com/ho-tex/oberdiek/issues/26
3415
3416 \let\@bidi@stepcounter\stepcounter
3417 \let\@bidi@@stpelt\@stpelt
3418
3419 \def\@stpelt#1{%
3420   \ifcsname bidi@reset@#1@perpage\endcsname
3421     \begingroup
3422       \let\stepcounter\@bidi@stepcounter
3423       \@bidi@@stpelt{#1}%
3424     \endgroup
3425     \expandafter\@gobbletwo
3426   \fi
3427   \@bidi@@stpelt{#1}%
3428 }
3429
3430 \bidi@pretocmd\stepcounter
3431   {%
3432     \ifbidi@csundef{bidi@stepcounterhook@#1}{-}{%
3433       \csname bidi@stepcounterhook@#1\endcsname
3434     }%
3435   }%
3436   {\PackageWarning{biditools}{Patching '\string\stepcounter' failed}}
3437
3438 \chardef\bidi@backslash`\\
3439 \def\bidi@#1{\texttt{\char\bidi@backslash#1}}

```



```

3440
3441 % anonymous control sequences
3442 \newcount\ bidi@tempcountb
3443 \newtoks\ bidi@temptoksa
3444 \newtoks\ bidi@temptoksb
3445
3446 % Catcode (re)storing
3447 %
3448 \def\ bidi@storecatcode#1%
3449   {\escapechar\m@ne
3450    \bidi@csarg\edef{bidi@restorecatcode\string#1}%
3451     {\catcode`\string#1=
3452      \the\catcode\expandafter`\string#1}%
3453    \catcode\expandafter`\string#1=12\relax
3454    \escapechar`\relax}
3455 \def\ bidi@restorecatcode#1%
3456   {\escapechar\m@ne
3457    \csname bidi@restorecatcode\string#1\endcsname
3458    \escapechar`\relax}
3459
3460 % Construct a control sequence inside \edef
3461 %
3462 \def\ bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3463
3464 % Construct a control sequence out of #2, and give it to #1
3465 %
3466 \def\ bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
3467
3468 % Pick an escapecharacter
3469 % this presumes that its argument is a character.
3470 %
3471 \def\ bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3472
3473 % Equality of strings.
3474 % the fast approach: does not work in expansion-only environment.
3475 %
3476 \def\ bidi@EqualString#1#2{00\fi\def\ bidi@eqs@a{#1}\def\ bidi@eqs@b{#2}%
3477   \ifx\ bidi@eqs@a\ bidi@eqs@b}
3478
3479 % Test by expansion only
3480 %
3481 \def\ bidi@EqualStringX#1#2{00\fi
3482   \csname if@bidi@EqualStringX#1&#2&\endcsname}
3483 \def\@bidi@EqualStringX#1#2#3#4$\ifx#1#3%
3484   \ifx#1&true\else\ bidi@hop@ES\@bidi@EqualStringX#2#4$\fi
3485   \else false\fi}
3486 \def\ bidi@hop@ES#1\fi#2\fi{\fi\fi#1}
3487
3488 % Lexicographic ordering
3489 % note the use of \def

```



```

3490% also note the characters 0,127,255 that are used,
3491% these are not supposed to appear in the strings
3492%
3493 {\catcode0=12 \catcode255=12 \catcode127=12
3494 \gdef\bid@StringBeforeNC#1#2{00\fi
3495 \bid@CharsBefore#1^^@^^?#2^^ff^^?}
3496 \gdef\bid@CharsBeforeNC#1#2^^?#3#4^^?{%
3497 \ifcat#1\relax\def\bid@next{\bid@CharsBefore#2^^@^^?#3#4^^ff^^?}%
3498 \else\ifcat#3\relax\def\bid@next{\bid@CharsBefore#1#2^^@^^?#4^^ff^^?}%
3499 \else\ifnum\lccode`#1<\lccode`#3
3500 \def\bid@next{\csname iftrue\endcsname}%
3501 \else\ifnum\lccode`#1>\lccode`#3
3502 \def\bid@next{\csname iffalse\endcsname}%
3503 \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
3504 \fi \fi \fi \fi
3505 \bid@next}
3506 \gdef\bid@StringBefore#1#2{00\fi
3507 \bid@CharsBefore#1^^@^^?#2^^ff^^?}
3508 \gdef\bid@CharsBefore#1#2^^?#3#4^^?{%
3509 \ifnum`#1<`#3
3510 \def\bid@next{\csname iftrue\endcsname}%
3511 \else\ifnum`#1>`#3
3512 \def\bid@next{\csname iffalse\endcsname}%
3513 \else\def\bid@next{\bid@CharsBefore#2^^?#4^^?}%
3514 \fi\fi
3515 \bid@next}
3516 }
3517
3518% Null argument test
3519%
3520 \def\bid@empty{}
3521 \def\bid@ifempty#1{00\fi\expandafter\ifx\csname bidi@#1null\endcsname\bid@@null}
3522 \def\bid@ifEmptyX#1{\expandafter\ifx\csname bidi@#1null\endcsname\bid@@null}
3523 %\def\bid@ifEmpty#1{\def\bid@cs@a{#1}\ifx\bid@cs@a\bid@empty}
3524 \def\bid@IsEmptyList#1{00\fi\def\bid@cs@a{#1}\ifx\cs@a\bid@empty}
3525
3526% Next character test
3527%
3528 \def\bid@NextChar#1#2#3{00\fi
3529 \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
3530 \futurelet\bid@nxt@c@\bid@ifnxtc}
3531 \def\bid@ifNextChar#1#2#3{%
3532 \let\bid@nxt@ch#1\def\bid@nxt@a{#2}\def\bid@nxt@b{#3}%
3533 \futurelet\bid@nxt@c@\bid@ifnxtc}
3534 \def@bid@ifnxtc{\ifx\bid@nxt@ch\bid@nxt@c \expandafter\bid@nxt@a
3535 \else \expandafter\bid@nxt@b \fi}
3536
3537% Test for defined-ness of string as control sequence.
3538% works inside \edef
3539%

```



```

3540 \def\bididefcs#1{00\fi\bidicsarg\ifx{#1}\relax}
3541
3542 % Define uniquely defined dummy macros,
3543 % usually to serve as bumper blocks at the end of a list
3544 %
3545 \newcount\bididummies
3546 \def\DefNewDummy#1{
3547   \if\bididefcs{#1}\bidicsarg\edef{#1}{\bididum\the\bididummies}
3548   \advance\bididummies\@ne
3549   \else
3550     \bidieerror{Attempt at second definition of `#1'}
3551   \fi}
3552
3553 % string case statement
3554 % use: \bidiswitch \iftest{...} in:
3555 %   item1 action1
3556 %   ...
3557 %   itemn actionn
3558 %   default defaultaction [optional]
3559 %   \endbidiswitch
3560 % inspired by Jonathan Fine: Some Basic Control Macros
3561 % Tugboat 12 #4
3562 %
3563 \let\@bidifi\fi \let\endbidiswitch\relax \DefNewDummy{\bididef}
3564 \def\bidiswitch@exit #1 \@bidifi #2 \endbidiswitch {\fi #1}
3565 \def\bidiswitch #1#2#3{\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3566 #1{#2}\bidiswitch@exit #3 \@bidifi
3567 \bidiswitch {#1}
3568 }
3569 % this version puts the test object in {}
3570 \def\bidioswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3571 #1{#2}\bidiswitch@exit #3 \@bidifi
3572 \bidiswitch #1 in:
3573 }
3574 % this version assumes that the test object is just one character
3575 \def\bidicswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3576 #1#2\bidiswitch@exit #3 \@bidifi
3577 \bidicswitch #1 in:
3578 }
3579 % this version assumes that the test object can have an optional space
3580 \def\bidibswitch #1 in: #2 #3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3581 #1#2 \bidiswitch@exit #3 \@bidifi
3582 \bidibswitch #1 in:
3583 }
3584 % this version can cope with significant spaces at the start of #3;
3585 % #2 is macro argument
3586 \def\bidimswitch #1 in: #2:#3; {\bidicsarg\ifx{#2}\bididef\bidiswitch@exit #3 \@bidifi
3587 #1{#2}\bidiswitch@exit #3 \@bidifi
3588 \bidimswitch #1 in:
3589 }

```



```

3590 % idem; #2 does not have to be enclosed in braces
3591 \def\bidifswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \bidi@
3592 #1#2 \bidi@switch@exit #3 \@bidi@fi
3593 \bidi@fswitch #1 in:
3594 }
3595
3596 % Routines for taking the value of a string:
3597 % if the string is defined as control sequence
3598 % take the value of that, otherwise take the string itself
3599
3600 % String or value of control sequence
3601 %
3602 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3603
3604 % String or control sequence
3605 %
3606 \def\bidi@ww#1{\if\bidi@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3607
3608 % String or \noexpand-ed control sequence;
3609 % for use in \edef
3610 %
3611 \newif\ifbidi@in@label
3612 \def\bidi@w@w#1{\if\bidi@undefinedcs{#1}#1\else
3613 \ifbidi@in@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3614 \newtoks\bidi@are@these@correct
3615 \def\bidi@t@w@w#1{%
3616 \if\bidi@undefinedcs{#1}#1%
3617 \ifdefining\bidi@append@to@list\bidi@are@these@correct{#1 } \fi
3618 \else
3619 \ifin@label\noexpand\protect\fi \bidi@csname{#1}\fi}
3620
3621 % List Manipulation .....
3622 % this assumes that #1 is a list of tokens, #2 is the name of a list
3623 %
3624 % Names of lists (and of items to pop into) are given as strings;
3625 % not as control sequences.
3626 %
3627 \newtoks\bidi@toks@lista \newtoks\bidi@toks@listb
3628 % basic append/prepend macro
3629 \long\def\bidi@append@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3630 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bidi@toks@
3631 \long\def\bidi@prepend@to@cslist#1#2#3{\begingroup\bidi@toks@lista=#2{#3}%
3632 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidi@toks@lista
3633 \def\bidi@append@to@list{\bidi@csarg\bidi@append@to@cslist}
3634 \def\bidi@prepend@to@list{\bidi@csarg\bidi@prepend@to@cslist}
3635 % variations:
3636 \long\def\bidi@append@to@list#1#2{\@bidi@append@to@list{#1}{#2}}
3637 \long\def\bidi@prepend@to@list#1#2{\@bidi@prepend@to@list{#1}{#2}}
3638 \def\bidi@append@list@to@list#1#2{%
3639 \@bidi@append@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\er

```



```

3640 \def\bidiprepend@list@to@list#1#2{%
3641   \@bidi@prepend@to@list{#1}{\expandafter\expandafter\expandafter}{\expandafter\the\csname#2\
3642 \def\bidiprepend@csl@to@csl#1#2{%
3643   \@bidi@prepend@to@csl{#1}\expandafter{\the#2}}
3644 \def\bidiprepend@csl@to@csl#1#2{%
3645   \@bidi@prepend@to@csl{#1}\expandafter{\the#2}}
3646 \def\bidiprepend@toks@csl@to@csl#1#2{\@bidi@prepend@to@csl{#1}\expandafter{\the#2}}
3647 \def\bidiprepend@toks@csl@to@csl#1#2{\@bidi@prepend@to@csl{#1}\expandafter{\the#2}}
3648
3649 \let\bidiprepend@unhskip\unhskip
3650
3651 % A few list macros for the user
3652 \def\NewTokenList:#1 {\bidi@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3653 \def\EmptyTokenList:#1 {\global\csname#1\endcsname{}}
3654 \long\def\AppendToTokenList:#1=#2 {\@bidi@append@to@list{#1}{#2}}
3655 \long\def\PrependToTokenList:#1=#2 {\@bidi@prepend@to@list{#1}{#2}}
3656 \def\TheTokenList:#1 {\let\bidiprepend@oldwbuskip\bidiprepend@unhskip \let\bidiprepend@empty
3657   \if\bidiprepend@oldwbuskip\bidiprepend@error{Token List <#1> undefined}
3658   \else\bidiprepend@oldwbuskip\fi
3659   \let\bidiprepend@oldwbuskip\bidiprepend@unhskip}
3660
3661 \def\bidiprepend@tok@from@list#1#2{\begingroup
3662   \long\def\bidiprepend@tok@from@list#1#2#3\bidiprepend@tok@SM
3663     {\bidiprepend@tok@from@list{#1}{#2}{#3}}
3664     \edef\bidiprepend@tok@from@list#1#2#3\bidiprepend@tok@SM
3665       {\the\bidiprepend@tok@from@list{#1}{#2}{#3}}
3666       \bidiprepend@tok@from@list{#1}{#2}{#3}}
3667   \edef\bidiprepend@tok@from@list#1#2#3\bidiprepend@tok@SM
3668   \bidiprepend@tok@from@list{#1}{#2}{#3} \endgroup}
3669 \def\bidiprepend@in@front@of@list#1{\bidi@csarg{\let\expandafter\bidiprepend@in@front@of@list#1#2#3\bidiprepend@in@front@of@list#1#2#3}}
3670 \bidiprepend@in@front@of@csl\bidiprepend@in@front@of@list#1#2#3\bidiprepend@in@front@of@csl#1#2#3}
3671 \long\def\bidiprepend@in@front@of@csl#1#2#3{\begingroup\bidiprepend@in@front@of@csl#1#2#3#4\bidiprepend@in@front@of@csl#1#2#3#4}
3672 \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bidiprepend@in@front@of@csl#1#2#3#4}
3673 \endgroup}
3674 \long\def\bidiprepend@local@in@front@of@list#1#2#3{\bidiprepend@in@front@of@list#1#2#3#4\bidiprepend@local@in@front@of@list#1#2#3#4}
3675 \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3676   {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3677   \expandafter\the\csname#1\endcsname}%
3678 }
3679 \def\bidiprepend@set@list#1{\bidi@csarg{\let\expandafter\bidiprepend@set@list#1#2#3\bidiprepend@set@list#1#2#3}}
3680 \bidiprepend@set@csl\bidiprepend@set@list#1#2#3\bidiprepend@set@csl#1#2#3}
3681 \long\def\bidiprepend@set@csl#1#2#3{\begingroup\bidiprepend@set@csl#1#2#3#4\bidiprepend@set@csl#1#2#3#4}
3682 \global#1=\expandafter{\the\bidiprepend@set@csl#1#2#3#4} \endgroup}
3683
3684 %%%%%%%%%%%%%%% Stack macros
3685 %
3686 % push in terms of prepending of lists
3687 \def\bidiprepend@push@csl@to@csl#1#2{\@bidi@prepend@to@csl#1\expandafter{\expandafter\bidiprepend@push@csl@to@csl#1#2}}
3688 \def\bidiprepend@push@onto#1{\bidi@csarg\bidiprepend@push@onto#csl{#1}}
3689 \def\bidiprepend@push@onto#csl#1#2{\@bidi@prepend@to@csl#1}{\the#2}}

```



```

3690 \def\ bidi@local@push@onto#1#2{\let\=\relax
3691   \bidi@local@in@front@of@list{#1}{\{#2}}
3692 % pop via auxiliary macro: #1 is result, #2 is stack
3693 % two cs arguments
3694 \def\ bidi@pop@cs@into#1#2{\edef\bidi@cs@e
3695   {\noexpand\@bidi@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bidi@pop}\bidi@cs@e}
3696 % two string arguments
3697 \def\ bidi@pop@into#1#2{\edef\bidi@cs@e
3698   {\noexpand\@bidi@popinto\bidi@csname{#1}\bidi@csname{#2}\bidi@csarg\the{#2}\noexpand\@bidi@pop}
3699 \long\def\@bidi@popinto#1#2\#3#4\@bidi@pop{#1{#3}#2{#4}}
3700 \def\ bidi@copy@stacktop#1#2{%
3701   \edef\bidi@cs@e{\noexpand\@bidi@copy@stacktop
3702     {#1}\bidi@csarg\the{#2}\noexpand\@bidi@pop}%
3703   \bidi@cs@e}
3704 \def\@bidi@copy@stacktop#1\#2#3\@bidi@pop{\csname#1\endcsname#2\relax}
3705 \newcount\bidi@stack@length \newtoks\bidi@empty@stack \bidi@empty@stack{\{\}}
3706 \def\ bidi@length@of@stack#1{\bidi@csarg\bidi@length@of@csstack{#1}}
3707 \def\ bidi@length@of@csstack#1{\def\#1{\advance\bidi@stack@length\@ne}%
3708   \bidi@stack@length\m@ne \the#1}
3709 % turn a stack upside down
3710 \def\ bidi@invert@csstack#1{\bidi@length@of@csstack{#1}%
3711   \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@stack
3712   \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3713     \bidi@pop@cs@into\bidi@temptoksb#1\advance\bidi@stack@length\m@ne
3714     \bidi@push@cs@onto@cs\bidi@temptoksa\bidi@temptoksb
3715 %   \bidi@append@csl@to@csl\bidi@temptoksb\bidi@temptoksa% append a to b
3716 %   \bidi@temptoksa\bidi@temptoksb
3717   \repeat% copy b to a
3718   #1\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3719 % invert a stack into a list
3720 \def\ bidi@x@stack@to@list#1{\bidi@length@of@stack{#1}%
3721   \bidi@tempcountb\z@ \bidi@temptoksa\bidi@empty@toks
3722   \loop\ifnum\bidi@tempcountb<\bidi@stack@length
3723     \bidi@pop@into{bidi@temptoksb}{#1}\advance\bidi@stack@length\m@ne
3724     \bidi@append@list@to@list{bidi@temptoksb}{bidi@temptoksa}\repeat
3725   \csname#1\endcsname\bidi@temptoksa \bidi@temptoksa\bidi@empty@toks}
3726
3727
3728 % General loop macro:
3729 % \looprepeat
3730 %   \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3731 %   \untilcondition{<cond>} \whilecondition{<cond>}
3732 %   \doloopbody { <loop body> }
3733 % where all control sequences in between \looprepeat and \doloopbody are optional.
3734 %
3735 % var: characters to form a control sequence;
3736 %   after \forvariable{index} you can access the loop counter as \index.
3737 %   This is a count register; to print it use \number\index.
3738 % start,step,end: integers with obvious relations to the loop counter;
3739 %   start and step have a default value of 1

```





```

3740% cond: (sequence of commands ending in) any TeX \if... test.
3741%
3742% Count down instead of up with \downtovalue; the increment given in \bystep
3743% is always positive, and is added or subtracted accordingly.
3744%
3745% Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3746% at the beginning of the loop body.
3747%
3748% Exit from middle of loop: \breaklooprepeat
3749% use this at any place in the loop; in case of a conditional use
3750% \ifsomething ... \expandafter \breaklooprepeat \fi
3751%
3752% Note that the line ends do not cause spaces in the output.
3753%
3754% Technical details:
3755% The loop body is not executed in a group: the braces are those
3756% of a token list.
3757% The `forvariable' variable is \let to a \count register.
3758
3759
3760
3761% Auxiliary stuff
3762\def\bidilooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3763\def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
3764\def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@depth\endcsname}
3765
3766\newcount\bidilooprepeat@depth
3767\let\endlooprepeat\relax \def\bidicsprotect{}
3768% Trace switches may later be defined by PAC_utils
3769\let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
3770
3771% Main repeatloop macro
3772% - go to next level and allocate unique counter/toks if this is the
3773% first time we visit this level
3774% - setup: gather bounds and termination conditions
3775% - scoop up body in token list; after the assignment define and
3776% execute body
3777\def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
3778 \advance\bidilooprepeat@depth\@ne\relax
3779 \bidilooprepeat@csargromannumeral\ifx{\bidilooprepeat@count}\relax
3780 \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidilooprepeat@depth}
3781 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@count}
3782 \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
3783 \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{} \def\bidilooprepeat@comp{>}\bidilooprepeat@tmp
3784 \edef\bidilooprepeat@tmp
3785 {\def\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}{\bidilooprepeat@depth}
3786 \afterassignment\bidilooprepeat@dxbody\bidilooprepeat@csromannumeral{\bidilooprepeat@toks}
3787
3788
3789% Define and execute loop body

```



```

3790 % This is done with an \edef to construct the actual sequence
3791 \def\ bidi@looprepeat@dxbbody{\ bidi@looprepeat@csargromannumeral\edef{\ bidi@looprepeat@body}{%
3792   \ bidi@looprepeat@csargromannumeral\the{\ bidi@looprepeat@wtest}%
3793   \noexpand\the\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@looprepeat@toks}%
3794   \ bidi@looprepeat@csargromannumeral\the{\ bidi@looprepeat@utest}%
3795   \global\ bidi@looprepeat@csargromannumeral\advance{\ bidi@looprepeat@count} by \ bidi@looprepe
3796   \noexpand\endlooprepeat
3797   \ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@looprepeat@looprepeat}}%
3798 \ bidi@looprepeat@csromannumeral{\ bidi@looprepeat@body}\ignorespaces}
3799
3800 % Stop test
3801 %% In order to stop, issue a
3802 % \breaklooprepeat which scoops up the rest of the body and exits
3803 \def\breaklooprepeat#1\endlooprepeat{\ bidi@looprepeat@zero\ bidi@looprepeat@csargromannumeral\
3804 \advance\ bidi@looprepeat@depth\m@ne \ bidi@looprepeat@traceexit
3805 }
3806
3807
3808 % Setup
3809 % gather bounds and termination conditions
3810 \def\ bidi@looprepeat@setup#1{%
3811   \begingroup
3812   \def\forvariable##1{%
3813     \edef\ bidi@looprepeat@tmp{%
3814       \global\let\ bidi@looprepeat@csarg\noexpand{##1}\ bidi@looprepeat@csromannumeral{\ bidi@l
3815       \ bidi@looprepeat@tmp}%
3816     \def\fromvalue##1{\ bidi@looprepeat@csargromannumeral\global{\ bidi@looprepeat@count}##1\ign
3817     \def\tovalue##1{%
3818       \edef\ bidi@looprepeat@tmp{\global\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@loopre
3819       {\ bidi@looprepeat@csargromannumeral\the{\ bidi@looprepeat@wtest}%
3820       \noexpand\ifnum\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@looprepeat@count}\ bidi
3821       \noexpand\expandafter \noexpand\breaklooprepeat
3822       \noexpand\fi}\ignorespaces}%
3823       \ bidi@looprepeat@tmp}%
3824     \def\downtovalue##1{%
3825       \gdef\ bidi@looprepeat@sign{-}\gdef\ bidi@looprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3826     \def\bystep##1{\ifnum##1<0 \ bidi@error{LOOPREPEAT: increment has to be a positive value}\
3827       \ bidi@looprepeat@csargromannumeral\gdef{\ bidi@looprepeat@inc}{-##1}\else
3828       \ bidi@looprepeat@csargromannumeral\gdef{\ bidi@looprepeat@inc}{##1}\fi\ignorespa
3829     \def\untilcondition##1{%
3830       \edef\ bidi@looprepeat@tmp{\global\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@loopre
3831       {\noexpand##1\relax
3832       \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3833       \ bidi@looprepeat@tmp}%
3834     \def\whilecondition##1{%
3835       \edef\ bidi@looprepeat@tmp{\global\ bidi@looprepeat@csargromannumeral\noexpand{\ bidi@loopre
3836       {\noexpand##1\relax \noexpand\else
3837       \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3838     \ bidi@looprepeat@tmp}%
3839     \fromvalue{\@ne}\bystep{\@ne}#1%

```



```

3840 \endgroup}
3841 \def\bidi@looprepeat@zero
3842   {\bidi@looprepeat@csromannumeral\bidi@looprepeat@toks}{\bidi@looprepeat@csromannumeral\bidi@looprepeat@csargromannumeral\def\bidi@looprepeat@body}{}}
3843   \bidi@looprepeat@csargromannumeral\def\bidi@looprepeat@body}{}}
3844
3845 %\tracingmacros2
3846 %\newcount\tmpcount % used in some examples below
3847
3848 %\looprepeat \forvariable{i}
3849 %   \bystep{2}
3850 %   \doloopbody {%
3851 %     \ifnum{i}=13 \expandafter\breaklooprepeat \fi
3852 %     \number{i}} %
3853 %}%
3854
3855 %\looprepeat \forvariable{iii}
3856 %   \tovalue{8}
3857 %   \doloopbody {}
3858 %After loop: \number{iii}%
3859
3860 %\looprepeat \forvariable{i}
3861 %   \fromvalue{10}
3862 %   \bystep{2}
3863 %   \downtovalue{0}
3864 %   \doloopbody {\number{i}} }
3865
3866 %\looprepeat \forvariable{x} \whilecondition{\ifnum{x}<7}
3867 %   \doloopbody {\number{x}} }
3868
3869 %\looprepeat \tovalue{3} \doloopbody {Hello world! }
3870
3871 %\looprepeat \forvariable{j}
3872 %   \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3873 %   \doloopbody {\number{j}} }
3874
3875 %\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3876 % {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3877 %   \doloopbody {(\number{i}.\number{j}) }
3878 % }
3879
3880 % infinite loop
3881 %\looprepeat \doloopbody {}
3882
3883 \renewcommand{\InputIfFileExists}[2]{%
3884   \begingroup\expandafter\expandafter\expandafter\endgroup
3885   \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3886     \expandafter\@secondoftwo
3887   \else
3888     \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3889     \expandafter\@firstoftwo

```



```

3890 \fi
3891 {%
3892   \expandafter\InputIfFileExists\expandafter{\csname
3893     #1-@bidi@alias\endcsname}{#2}%
3894 }%
3895 {\IfFileExists{#1}{%
3896   \bidi@load@hook{before}{#1}%
3897   #2\@addtofilelist{#1}%
3898   \@input \@file@und
3899   \bidi@load@hook{after}{#1}%
3900 }}%
3901 }
3902
3903 \newcommand*\bidi@loadwithoptions{}
3904 \newcommand*\bidi@loadwithoptions{}
3905 \let\bidi@loadwithoptions\@loadwithoptions
3906
3907 \renewcommand*\@loadwithoptions}[3]{%
3908   \begingroup\expandafter\expandafter\expandafter\endgroup
3909   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3910     \def\bidi@loadwithoptions{\bidi@loadwithoptions{#1}{#2}{#3}}%
3911   \else
3912     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3913     \def\bidi@loadwithoptions{%
3914       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3915     }%
3916   \fi
3917   \bidi@loadwithoptions
3918 }
3919
3920 \newcommand*\bidi@onefilewithoptions{}
3921 \let\bidi@onefilewithoptions\@onefilewithoptions
3922 \def\@onefilewithoptions#1[#2][#3]#4{%
3923   \begingroup\expandafter\expandafter\expandafter\endgroup
3924   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3925     \def\bidi@onefilewithoptions{\bidi@onefilewithoptions{#1}}%
3926   \else
3927     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3928     \edef\bidi@onefilewithoptions{%
3929       \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3930   \fi
3931   \bidi@onefilewithoptions[#{2}][#{3}]{#4}%
3932   \bidi@load@hook{lateafter}{#1.#4}%
3933 }
3934
3935 \newcommand*\bidi@ReplaceInput}[2]{%
3936   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3937 }
3938
3939 \newcommand*\bidi@UnReplaceInput}[1]{%

```



```

3940 \ifcsname #1-@bidi@alias\endcsname
3941   \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3942   \fi
3943 }
3944
3945 \newcommand*{\@bidi@replacefilewithext}[3]{%
3946   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3947 }
3948 \newcommand*{\bidi@ReplacePackage}[2]{%
3949   \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3950 }
3951 \newcommand*{\bidi@ReplaceClass}[2]{%
3952   \@bidi@replacefilewithext{#1}{#2}\@clsextension
3953 }
3954 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3955   \ifcsname #1.#2-@bidi@aliasname\endcsname
3956     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3957   \fi
3958 }
3959 \newcommand*{\bidi@UnReplacePackage}[1]{%
3960   \@bidi@unreplacefilewithext{#1}\@pkgextension
3961 }
3962 \newcommand*{\bidi@UnReplaceClass}[1]{%
3963   \@bidi@unreplacefilewithext{#1}\@clsextension
3964 }
3965 \newcommand*{\bidi@replacefile@msg}[2]{%
3966   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3967 }
3968
3969 \newcommand*{\bidi@load@hook}[2]{%
3970   \@ifundefined{#2-@#1}{-}{%
3971     \@nameuse{#2-@#1}%
3972     \expandafter\let\csname #2-@#1\endcsname=\relax}}
3973 \newcommand*{\bidi@set@load@hook}[2]{%
3974   \@ifundefined{#2-@#1}{\@namedef{#2-@#1}{-}}{%
3975     \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3976 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3977 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3978 \newcommand*{\bidi@BeforeClass}[1]{%
3979   \bidi@set@load@hook{before}{#1.\@clsextension}}
3980 \newcommand*{\bidi@AfterClass}{%
3981   \@ifstar {\@s@bidi@AfterClass}{%
3982     \@ifnextchar +\@@bidi@AfterClass{%
3983       \@ifnextchar !\@@@bidi@AfterClass\@bidi@AfterClass
3984     }%
3985   }%
3986 }
3987
3988 \newcommand*{\@@@bidi@AfterClass}[2]{%
3989   \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax

```



```

3990   \aftergroup\@s@bidi@AfterClass
3991   \else
3992   \aftergroup\@bidi@AfterAtEndOfClass
3993   \fi
3994 \endgroup{#2}%
3995 }
3996
3997 \newcommand*{\@bidi@AfterAtEndOfClass}[1]{%
3998   \@bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3999 \newcommand*{\@@bidi@AfterClass}[2]{%
4000   \begingroup
4001     \expandafter\ifx\csname #2.\@clsextension-h@k\endcsname\relax
4002       \aftergroup\@s@bidi@AfterClass
4003     \else
4004       \aftergroup\@bidi@AfterClass
4005     \fi
4006   \endgroup{#2}%
4007 }
4008
4009 \newcommand*{\@bidi@AfterClass}[1]{%
4010   \@bidi@set@load@hook{after}{#1.\@clsextension}}
4011 \newcommand*{\@s@bidi@AfterClass}[1]{%
4012   \begingroup
4013     \@ifclassloaded{#1}{%
4014       \aftergroup\@secondoftwo
4015     }{%
4016       \aftergroup\@bidi@AfterClass
4017     }%
4018   \endgroup
4019   {#1}%
4020 }
4021
4022
4023 \newcommand*{\@bidi@BeforePackage}[1]{%
4024   \@bidi@set@load@hook{before}{#1.\@pkgextension}}
4025 \newcommand*{\@bidi@AfterPackage}{%
4026   \@ifstar {\@s@bidi@AfterPackage}{%
4027     \@ifnextchar +\@@bidi@AfterPackage{%
4028       \@ifnextchar !\@@@bidi@AfterPackage\@bidi@AfterPackage
4029     }%
4030   }%
4031 }
4032 \newcommand*{\@@@bidi@AfterPackage}[2]{%
4033   \begingroup\ifx\csname #2.\@pkgextension-h@k\endcsname\relax
4034     \aftergroup\@s@bidi@AfterPackage
4035   \else
4036     \aftergroup\@bidi@AfterAtEndOfPackage
4037   \fi
4038   \endgroup{#2}%
4039 }

```



```

4040 \newcommand*{\@bidi@AfterAtEndOfPackage}[1]{%
4041   \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
4042 \newcommand*{\@bidi@AfterPackage}[2]{%
4043   \begingroup
4044     \expandafter\ifx\csname #2.\@pkgextension-h@k@endcsname\relax
4045       \aftergroup\@s@bidi@AfterPackage
4046     \else
4047       \aftergroup\@bidi@AfterPackage
4048     \fi
4049   \endgroup{#2}%
4050 }
4051 \newcommand*{\@bidi@AfterPackage}[1]{%
4052   \bidi@set@load@hook{after}{#1.\@pkgextension}}
4053 \newcommand*{\@s@bidi@AfterPackage}[1]{%
4054   \begingroup
4055     \@ifpackageloaded{#1}{%
4056       \aftergroup\@secondoftwo
4057     }{%
4058       \aftergroup\@bidi@AfterPackage
4059     }%
4060   \endgroup
4061   {#1}%
4062 }
4063
4064 \newcommand*{\bidi@excludedpackages}{}
4065 \let\bidi@excludedpackages\@empty
4066 \newcommand*{\bidi@saved@RequirePackage}{}
4067 \newcommand*{\bidi@PreventPackageFromLoading}{}%
4068 \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
4069           {\@bidi@PreventPackageFromLoading\PackageWarning}%
4070 }
4071 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
4072   \@ifnextchar [%]
4073     {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
4074 }
4075 \newcommand*{\@bidi@PreventPackageFromLoading}{}
4076
4077 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
4078   \edef\reserved@b{\zap@space#3 \@empty}%
4079   \ifx \reserved@b\@empty
4080     #1{biditytools}{%
4081       \string\bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
4082       argument ignored%
4083     }%
4084   \else
4085     \ifx\bidi@excludedpackages\@empty
4086       \let\bidi@saved@RequirePackage\RequirePackage
4087       \let\RequirePackage\bidi@RequirePackage
4088     \def\reserved@a##1##{%
4089       \@latex@error

```



```

4090     {\noexpand \usepackage before \string\documentclass}%
4091     {\noexpand \usepackage may only appear in the document
4092     preamble, i.e.,\MessageBreak
4093     between \noexpand\documentclass and
4094     \string\begin{document}.}%
4095     \@gobble}%
4096   \ifx\reserved@a\usepackage\else
4097     \ifx\usepackage\bidi@saved@RequirePackage\else
4098       \PackageWarning{biditools}{%
4099         Maybe serious problem: unexpected definition of\MessageBreak
4100         \string\usepackage
4101       }%
4102     \fi
4103     \let\usepackage\RequirePackage
4104   \fi
4105 \fi
4106 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
4107 \reserved@b\do {%
4108   \ifx\reserved@a@empty
4109     #1{biditools}{%
4110       empty package argument for
4111       \string\bidi@PreventPackageFromLoading\MessageBreak
4112       ignored%
4113     }%
4114   \else
4115     \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
4116       #1{biditools}{%
4117         package `reserved@a' already loaded.\MessageBreak
4118         Cannot prevent it from being loaded%
4119       }%
4120     }{%
4121       \edef\bidi@excludedpackages{\bidi@excludedpackages,%
4122         \reserved@a}%
4123       \if\relax\detokenize{#2}\relax\else
4124         \@ifundefined{bidi@exclude@package@\reserved@a @do}{%
4125           \namedef{bidi@exclude@package@\reserved@a @do}{%
4126             }{%
4127             \expandafter\def
4128             \csname bidi@exclude@package@\reserved@a
4129             @do\expandafter\expandafter\expandafter\endcsname
4130             \expandafter\expandafter\expandafter{%
4131               \csname bidi@exclude@package@\reserved@a @do\endcsname
4132               #2%
4133             }%
4134           \fi
4135         }%
4136       \fi
4137     }%
4138   \ifx\bidi@excludedpackages@empty
4139     \bidi@ResetPreventPackageFromLoading

```





```

4140   \fi
4141 \fi
4142 }
4143
4144 \@onlypreamble\bidipreventpackagefromloading
4145 \newcommand*\bidiresetpreventpackagefromloading{%
4146   \let\bidiecludedpackages\empty
4147   \ifx\requirepackage\bidirequirepackage
4148     \ifx\usepackage\requirepackage
4149       \let\usepackage\bidisavedrequirepackage
4150     \fi
4151   \let\requirepackage\bidisavedrequirepackage
4152 \fi
4153 }
4154 \@onlypreamble\bidiresetpreventpackagefromloading
4155 \newcommand*\bidistorepreventpackagefromloading}[1]{%
4156   \let#1\bidiecludedpackages
4157 }
4158 \@onlypreamble\bidistorepreventpackagefromloading
4159 \newcommand*\bidipreventpackagefromloading{%
4160   \ifstar {\@tempwatrue\bidipreventpackagefromloading}%
4161     {\@tempwafalse\bidipreventpackagefromloading}%
4162 }
4163
4164 \newcommand*\bidipreventpackagefromloading}[1]{%
4165   \edef\reservedb{\zap@space#1 \empty}%
4166   \if@tempswa
4167     \@for\reserveda:=\reservedb\do {%
4168       \ifx\reserveda\empty \else
4169         \ifcsname bidi@exclude@package@\reserveda @do\endcsname
4170           \expandafter\let
4171           \csname bidi@exclude@package@\reserveda @do\endcsname
4172           \undefined
4173         \fi
4174       \fi
4175     }%
4176 \fi
4177 \ifcsname bidi@excludedpackages\endcsname
4178   \let\reserveda\bidiecludedpackages
4179   \let\bidiecludedpackages\empty
4180   \expandafter\@for\expandafter\reservedc
4181   \expandafter:\expandafter=\reserveda
4182   \do{%
4183     \ifx\reservedc\empty\else
4184       \@expandtwoargs\in{\,\reservedc,}\,\reservedb,}%
4185     \ifin@
4186     \else
4187       \edef\bidiecludedpackages{%
4188         \bidiecludedpackages,\reservedc
4189       }%

```



```

4190     \fi
4191   \fi
4192   }%
4193   \ifx\ bidi@excludedpackages\@empty\ bidi@ResetPreventPackageFromLoading\fi
4194 \fi
4195 }
4196
4197
4198 \newcommand*\bidi@RequirePackage}[2] [] {%
4199   \let\reserved@c\@empty
4200   \let\reserved@d\@empty
4201   \edef\reserved@b{\zap@space#2 \@empty}%
4202   \expandafter\@for\expandafter\reserved@b\expandafter:\expandafter=\reserved@b
4203   \do {%
4204     \begingroup
4205       \@tempswatru
4206       \@for\reserved@a:=\bidi@excludedpackages\do {%
4207         \ifx\reserved@a\reserved@b
4208           \@tempswafalse
4209         \fi
4210       }%
4211       \if@tempswa
4212         \xdef\reserved@c{\reserved@c,\reserved@b}%
4213       \else
4214         \ifx\reserved@b\@empty\else
4215           \PackageInfo{biditools}{Excluding package ` \reserved@b'\MessageBreak
4216             from loading}%
4217           \@ifundefined{bidi@exclude@package@\reserved@b @do}{%
4218             }{%
4219               \expandafter\g@addto@macro\expandafter\reserved@d
4220               \csname bidi@exclude@package@\reserved@b @do\endcsname
4221             }%
4222           \fi
4223         \fi
4224       \endgroup
4225     }%
4226     \ifx\reserved@c\@empty
4227       \let\reserved@a\bidi@gobbleopt
4228     \else
4229       \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1] {%
4230         \expandafter\@gobble\reserved@c\@empty}}%
4231     \fi
4232     \expandafter\reserved@d
4233     \reserved@a
4234 }
4235
4236 \newcommand*\bidi@gobbleopt}[1] [] {}
4237 \AtEndDocument{%
4238   \let\ bidi@saved@checkend=\@checkend
4239   \renewcommand*\@checkend}[1] {}

```



```

4240 \def\reserved@a{#1}\def\reserved@b{document}%
4241 \bidi@saved@checkend{#1}%
4242 \ifx\reserved@a\reserved@b
4243   \let\bidi@saved@clearpage=\clearpage
4244   \renewcommand*{\clearpage}{\bidi@saved@clearpage
4245     \bidi@hook@bcma
4246     \bidi@restore@newpage
4247     \let\clearpage=\bidi@saved@clearpage}%
4248   \fi%
4249   \let\bidi@saved@dofilelist\@dofilelist
4250   \def\@dofilelist{%
4251     \bidi@hook@acma
4252     \let\@dofilelist\bidi@saved@dofilelist
4253     \bidi@saved@dofilelist
4254   }%
4255 }%
4256 }
4257
4258
4259 \newcommand*{\bidi@saved@checkend}{ }
4260 \newcommand*{\bidi@saved@dofilelist}{ }
4261 \newcommand*{\bidi@redefine@newpage}{%
4262   \let\bidi@saved@newpage\newpage
4263   \def\bidi@restore@newpage{%
4264     \renewcommand*{\newpage}{%
4265       \PackageWarningNoLine{%
4266         biditools%
4267       }{%
4268         \string\newpage\space at main aux file!\MessageBreak
4269         You have output material at the main aux file.\MessageBreak
4270         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
4271         are processed before the output from aux file%
4272       }%
4273       \let\newpage\bidi@saved@newpage
4274       \newpage
4275     }%
4276   }%
4277   \renewcommand*{\newpage}{%
4278     \PackageError{%
4279       biditools%
4280     }{%
4281       \string\newpage\space at \string\bidi@BeforeClosingMainAux
4282     }{%
4283       You should never use \string\newpage\space or
4284       \string\clear(double)page or other output material at the\MessageBreak
4285       argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
4286       If you'll continue, the \string\newpage\space will be ignored to
4287       avoid corruption of\MessageBreak
4288       every prior use of \string\bidi@BeforeClosingMainAux.
4289     }%

```



```

4290 }%
4291 }
4292
4293 \newcommand*{\bidi@restore@newpage}{}
4294 \newcommand*{\bidi@hook@bcma}{}
4295 \newcommand*{\bidi@hook@acma}{}
4296 \newcommand*{\bidi@BeforeClosingMainAux}{%
4297 \ifx\bidi@hook@bcma\@empty
4298 \gdef\bidi@hook@bcma{%
4299 \renewcommand*{\bidi@BeforeClosingMainAux}[1]{###1}%
4300 \let\protected@write\bidi@protected@immediate@write
4301 \bidi@redefine@newpage
4302 }%
4303 \fi
4304 \g@addto@macro\bidi@hook@bcma%
4305 }
4306
4307 \newcommand*{\bidi@AfterReadingMainAux}{%
4308 \ifx\bidi@hook@acma\@empty
4309 \gdef\bidi@hook@acma{%
4310 \renewcommand*{\bidi@AfterReadingMainAux}[1]{###1}%
4311 \let\protected@write\bidi@protected@immediate@write
4312 }%
4313 \fi
4314 \g@addto@macro\bidi@hook@acma%
4315 }
4316
4317 \long\def\bidi@protected@immediate@write#1#2#3{%
4318 \begingroup
4319 #2%
4320 \let\protect\@unexpandable@protect
4321 \edef\reserved@a{\immediate\write#1{#3}}%
4322 \reserved@a
4323 \endgroup
4324 \if@nobreak\ifvmode\nobreak\fi\fi
4325 }
4326
4327 \def\bidi@patch@counter{0}%
4328 \if@bidi@csundef{numexpr}{%
4329 \def\bidi@patch@stepcounter{%
4330 \begingroup
4331 \count@\bidi@patch@counter\relax
4332 \advance\count@\@one\relax
4333 \edef\x{\endgroup
4334 \noexpand\def\noexpand\bidi@patch@counter{\the\count@}}%
4335 }%
4336 \x
4337 }%
4338 }{%
4339 \def\bidi@patch@stepcounter{%

```



```

4340 \edef\bidipatch@counter{%
4341 \the\numexpr\bidipatch@counter+\@ne\relax
4342 }%
4343 }%
4344 }
4345 \def\bidipatch@list{}
4346 \def\bidipatch@Add{%
4347 \bidipatch@appto\bidipatch@list
4348 }
4349 \def\bidipatch@AfterPackage#1{%
4350 \ifpackageloaded{#1}{%
4351 \@firstofone
4352 }{%
4353 \bidipatch@AfterPackage{#1}%
4354 }%
4355 }
4356 \def\@bidipatch@AfterPackage#1{%
4357 \edef\bidipatch@temp{#1}%
4358 \bidipatch@stepcounter
4359 \expandafter\bidipatch@@AfterPackage
4360 \csname @bidipatch@\bidipatch@counter\expandafter\endcsname{%
4361 \bidipatch@temp
4362 }%
4363 }
4364 \def\bidipatch@@AfterPackage#1#2#3{%
4365 \begingroup
4366 \toks@{#3}%
4367 \xdef\bidipatch@gtemp{%
4368 \noexpand\@ifpackageloaded{#2}{%
4369 \noexpand\let\noexpand#1\noexpand\relax
4370 \the\toks@
4371 }{%
4372 }%
4373 \endgroup
4374 \let#1\bidipatch@gtemp
4375 \bidipatch@Add#1%
4376 \bidipatch@try{\bidipatch@AfterPackage}{#2}#1%
4377 }
4378
4379 \def\bidipatch@try#1#2#3{%
4380 \if@bidipatch@csundef{#1}{%
4381 \csname #1\endcsname{#2}{#3}%
4382 }%
4383 }
4384
4385 \AtBeginDocument{\bidipatch@list}
4386
4387 \bidipatch@AtEndPreamble{\bidipatch@list}%
4388
4389 \bidipatch@AfterEndPreamble{%

```



```

4390 \let\ bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
4391 \let\ bidi@patch@OrgIfPackageLater\@ifpackagelater
4392 \let\ bidi@patch@OrgIfClassLoaded\@ifclassloaded
4393 \let\ bidi@patch@OrgIfClassLater\@ifclasslater
4394 \ bidi@patch@list
4395 \let\@ifpackageloaded\ bidi@patch@OrgIfPackageLoaded
4396 \let\@ifpackagelater\ bidi@patch@OrgIfPackageLater
4397 \let\@ifclassloaded\ bidi@patch@OrgIfClassLoaded
4398 \let\@ifclasslater\ bidi@patch@OrgIfClassLater
4399 }%

```

## 22 File `bidituftefloat.sty`

```

4400 \NeedsTeXFormat{LaTeX2e}
4401 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
4402 bidi implementation of tufte float]
4403 \RequirePackage{xifthen}
4404 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
4405 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
4406 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{@bidituftefloat@debug}}{\bidituftefloatDebugInfoNL}{}}
4407 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
4408 \newboolean{@bidituftefloat@reversegeometry}
4409 \setboolean{@bidituftefloat@reversegeometry}{false}
4410 \DeclareOption{reversegeometry}{\setboolean{@bidituftefloat@reversegeometry}{true}}
4411 \newboolean{@bidituftefloat@a4paper}
4412 \DeclareOption{a4paper}{\setboolean{@bidituftefloat@a4paper}{true}}
4413 \newboolean{@bidituftefloat@b5paper}
4414 \DeclareOption{b5paper}{\setboolean{@bidituftefloat@b5paper}{true}}
4415 \newboolean{@bidituftefloat@symmetric}
4416 \newboolean{@bidituftefloat@twoside}
4417 \DeclareOption{twoside}{%
4418 \@twosidettrue \mparswitchtrue%
4419 \setboolean{@bidituftefloat@twoside}{true}%
4420 \setboolean{@bidituftefloat@symmetric}{true}%
4421 }
4422 \DeclareOption{oneside}{%
4423 \@twosidefalse \mparswitchfalse%
4424 \setboolean{@bidituftefloat@twoside}{false}%
4425 \setboolean{@bidituftefloat@symmetric}{false}%
4426 }
4427 \@ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4428 \newboolean{@bidituftefloat@debug}
4429 \newcommand*\@bidituftefloat@caption@justification{\@bidituftefloat@justification@autodetect}
4430 \ProcessOptions
4431 %% Globally sets the length
4432 \newcommand*\gsetlength[2]{%
4433 \setlength{#1}{#2}%
4434 \global#1=#1\relax%
4435 }
4436

```



```

4437 %% Set the font sizes and baselines to match bdituftefloat's books
4438 \renewcommand\normalsize{%
4439   \@setfontsize\normalsize\@xpt{14}%
4440   \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4441   \abovedisplayshortskip \z@ \@plus3\p@
4442   \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4443   \belowdisplayskip \abovedisplayskip
4444   \let\@listi\@listI}
4445 \normalbaselineskip=14pt
4446 \normalsize
4447 \renewcommand\footnotesize{%
4448   \@setfontsize\footnotesize\@viipt{10}%
4449   \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4450   \abovedisplayshortskip \z@ \@plus\p@
4451   \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4452   \def\@listi{\leftmargin\leftmarginI
4453     \topsep 3\p@ \@plus\p@ \@minus\p@
4454     \parsep 2\p@ \@plus\p@ \@minus\p@
4455     \itemsep \parsep}%
4456   \belowdisplayskip \abovedisplayskip
4457 }
4458 %% Paragraph indentation and separation for marginal text
4459 \newcommand{\@bdiuftefloat@margin@par}{%
4460   \setlength{\RaggedRightParindent}{0.5pc}%
4461   \setlength{\JustifyingParindent}{0.5pc}%
4462   \setlength{\parindent}{0.5pc}%
4463   \setlength{\parskip}{0pt}%
4464 }
4465 \RequirePackage{ragged2e}
4466 \ifthenelse{\boolean{@bdiuftefloat@reversegeometry}}{%
4467 \RequirePackage[letterpaper, right=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginparskip=1in]{ragged2e}
4468 \ifthenelse{\boolean{@bdiuftefloat@afourpaper}}
4469   {\geometry{a4paper, right=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginparskip=1in}}
4470   {}
4471 \ifthenelse{\boolean{@bdiuftefloat@bfivepaper}}
4472   {\geometry{paperwidth=176mm, paperheight=250mm, right=14.66mm, top=13.88mm, textwidth=102.66mm, marginparskip=1in}}
4473   {}}%
4474 \RequirePackage[letterpaper, left=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginparskip=1in]{ragged2e}
4475 \ifthenelse{\boolean{@bdiuftefloat@afourpaper}}
4476   {\geometry{a4paper, left=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginparskip=1in}}
4477   {}
4478 \ifthenelse{\boolean{@bdiuftefloat@bfivepaper}}
4479   {\geometry{paperwidth=176mm, paperheight=250mm, left=14.66mm, top=13.88mm, textwidth=102.66mm, marginparskip=1in}}
4480   {}
4481 \ifthenelse{\boolean{@bdiuftefloat@symmetric}}
4482   {}
4483   {\geometry{asymmetric}}% forces internal LaTeX `twoside'
4484 \setlength\marginparpush{10pt}
4485 %% Font for margin items
4486 \newcommand{\@bdiuftefloat@marginfont}{\normalfont\footnotesize}

```



```

4487 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
4488 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
4489 \newcommand{\@biditytfloat@justification}{\justifying}%
4490 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
4491 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
4492 \newboolean{\@biditytfloat@changepage}
4493 \IfFileExists{changepage.sty}{%
4494   \biditytfloatDebugInfoNL{Found changepage.sty}
4495   \RequirePackage[strict]{changepage}
4496   \setboolean{\@biditytfloat@changepage}{true}
4497 }{%
4498   \biditytfloatDebugInfoNL{Found chngpage.sty}
4499   \RequirePackage[strict]{chngpage}
4500   \setboolean{\@biditytfloat@changepage}{false}
4501 }
4502 \newboolean{\@biditytfloat@odd@page}
4503 \setboolean{\@biditytfloat@odd@page}{true}
4504 \newcommand*{\@biditytfloat@checkoddpage}{%
4505   \checkoddpage%
4506   \ifthenelse{\boolean{\@biditytfloat@changepage}}{%
4507     \ifoddpage%
4508       \setboolean{\@biditytfloat@odd@page}{true}%
4509     \else%
4510       \setboolean{\@biditytfloat@odd@page}{false}%
4511     \fi%
4512   }{%
4513     \ifcpoddpage%
4514       \setboolean{\@biditytfloat@odd@page}{true}%
4515     \else%
4516       \setboolean{\@biditytfloat@odd@page}{false}%
4517     \fi%
4518   }%
4519 }
4520 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
4521 \newlength{\@biditytfloat@fullwidth}
4522 \newlength{\@biditytfloat@caption@fill}
4523 \newcommand{\@biditytfloatRecalculate}{%
4524   \setlength{\@biditytfloat@overhang}{\marginparwidth}
4525   \addtolength{\@biditytfloat@overhang}{\marginparsep}
4526
4527   \setlength{\@biditytfloat@fullwidth}{\textwidth}
4528   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
4529   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
4530
4531   \setlength{\@biditytfloat@caption@fill}{\textwidth}
4532   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
4533 }
4534 \AtBeginDocument{\@biditytfloatRecalculate}
4535 \RequirePackage{optparams}% provides multiple optional arguments for commands
4536 \RequirePackage{placeins}

```





```

4537 \newsavebox{\@biditytfloat@margin@floatbox}
4538 \newenvironment{@biditytfloat@margin@float}[2] [-1.2ex]%
4539   {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order}
4540   \begin{lrbox}{\@biditytfloat@margin@floatbox}%
4541   \begin{minipage}{\marginparwidth}%
4542     \@biditytfloat@caption@font%
4543     \def\@capttype{#2}%
4544     \hbox{\vspace*{#1}%
4545     \@biditytfloat@caption@justification%
4546     \@biditytfloat@margin@par%
4547     \noindent%
4548     }
4549   {\end{minipage}%
4550   \end{lrbox}%
4551   \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
4552   }
4553 \newenvironment{marginfigure}[1] [-1.2ex]%
4554   {\begin{@biditytfloat@margin@float}[#1]{figure}}
4555   {\end{@biditytfloat@margin@float}}
4556 \newenvironment{margintable}[1] [-1.2ex]%
4557   {\begin{@biditytfloat@margin@float}[#1]{table}}
4558   {\end{@biditytfloat@margin@float}}
4559 \newcommand*\@biditytfloat@justification@autodetect{\justifying}%
4560
4561 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is processed
4562 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
4563   \ifthenelse{equal{\@biditytfloat@float@debug@info}{}}%
4564     {\def\@biditytfloat@float@debug@info{#1}}%
4565     {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
4566 }
4567 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4568 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug@info{#1}}
4569 \newboolean{@biditytfloat@float@recto}
4570 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug@info{#1}}
4571 \newcommand{\forceeversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug@info{#1}}
4572 \newsavebox{\@biditytfloat@figure@box}
4573 \newsavebox{\@biditytfloat@caption@box}
4574 \let\@biditytfloat@orig@float\@float
4575 \let\@biditytfloat@orig@endfloat\endfloat
4576 \newlength{\@biditytfloat@caption@vertical@offset}
4577 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
4578 \newcommand{\@biditytfloat@stored@shortcaption}{%
4579 \newcommand{\@biditytfloat@stored@caption}{%
4580 \newcommand{\@biditytfloat@stored@label}{%
4581 \long\def\@biditytfloat@caption[#1][#2]#3{%
4582   \ifthenelse{isempty{#1}}%
4583     {\gdef\@biditytfloat@stored@shortcaption{#3}}%
4584     {\gdef\@biditytfloat@stored@caption{#1}}%
4585   \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to lower the caption
4586   \gdef\@biditytfloat@stored@caption{#3}%

```



```

4587 }
4588 \newcommand{\@biditytfloat@label}[1]{%
4589   \gdef\@biditytfloat@stored@label{#1}%
4590 }
4591 \newcommand{\@biditytfloat@fps}{%
4592 \newboolean{\@biditytfloat@float@star}
4593 \newlength{\@biditytfloat@float@contents@width}
4594 \newenvironment{\@biditytfloat@float}[3][htbp]{%
4595   {% begin \@biditytfloat@float
4596     % Should this float be full-width or just text-width?
4597     \ifthenelse{\equal{#3}{star}}{%
4598       {\GlobalSetBoolean{\@biditytfloat@float@star}{true}}%
4599       {\GlobalSetBoolean{\@biditytfloat@float@star}{false}}%
4600     }% Check page side (recto/verso) and store detected value -- can be overridden in environment
4601     \@biditytfloat@checkoddpage%
4602     \ifthenelse{\boolean{\@biditytfloat@odd@page}}{%
4603       {\GlobalSetBoolean{\@biditytfloat@float@recto}{true}}\@biditytfloat@float@debug{Detect
4604       {\GlobalSetBoolean{\@biditytfloat@float@recto}{false}}\@biditytfloat@float@debug{Detect
4605     }% If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4606     \renewcommand{\@biditytfloat@fps}{#1}%
4607     \@biditytfloat@float@debug{Allowed positions: [#1]}%
4608     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}{%
4609       {\renewcommand{\floatalignment}{b}}\@biditytfloat@float@debug{Presumed position: [bottom]}%
4610       {\renewcommand{\floatalignment}{t}}\@biditytfloat@float@debug{Presumed position: [top]}%
4611     }% Capture the contents of the \caption and \label commands to use later
4612     \global\let\@biditytfloat@orig@caption\caption%
4613     \global\let\@biditytfloat@orig@label\label%
4614     \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[0pt]}}%
4615     \renewcommand{\label}[1]{\@biditytfloat@label{#1}}%
4616     % Handle subfigure package compatibility
4617     \ifthenelse{\boolean{\@biditytfloat@packages@subfigure}}{%
4618       \bidi@patchcmd{\subfigure}{%
4619         \let\subfig@oldlabel=\label
4620       }{%
4621         \let\subfig@oldlabel=\@biditytfloat@orig@label
4622       }%
4623     }%
4624     \let\subtable=\subfigure
4625   }% subfigure package is not loaded
4626   \@biditytfloat@orig@float{#2}[#1]%
4627   \ifthenelse{\boolean{\@biditytfloat@float@star}}{%
4628     {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
4629     {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
4630   }%
4631   \begin{lrbox}{\@biditytfloat@figure@box}%
4632     \begin{minipage}[floatalignment]{\@biditytfloat@float@contents@width}\hbox{%
4633   }% end \@biditytfloat@float
4634     \par\hbox{\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}}% align
4635     \end{minipage}%
4636   \end{lrbox}%

```



```

4637 % build the caption box
4638 \begin{lrbox}{\@biditytfloat@caption@box}%
4639   \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4640     \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@capti
4641     \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label{
4642     \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4643   \end{minipage}%
4644 \end{lrbox}%
4645 % now typeset the stored boxes
4646 \begin{fullwidth}%
4647   \begin{minipage}[\floatalignment]{\linewidth}%
4648     \ifthenelse{\boolean{@biditytfloat@float@star}}%
4649       {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4650       {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidity
4651     \end{minipage}%
4652 \end{fullwidth}%
4653 \@biditytfloat@orig@endfloat% end original LaTeX float environment
4654 % output debug info
4655 \ifthenelse{\boolean{@biditytfloat@debug}}{%
4656   \typeout{^^J^^J----- biditytfloat package float information -----}%
4657   \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
4658     {\typeout{Warning: Float unlabeled!}}%
4659     {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4660   \typeout{Page number: [\thepage]}%
4661   \def\MessageBreak{^^J}%
4662   \typeout{\@biditytfloat@float@debug@info}%
4663   \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4664     {\typeout{Symmetric: [true]}}%
4665     {\typeout{Symmetric: [false]}}%
4666   \typeout{-----^^J^^J}%
4667 }%
4668 % reset commands and temp boxes and captions
4669 \gdef\@biditytfloat@float@debug@info{%
4670 \let\caption\@biditytfloat@orig@caption%
4671 \let\label\@biditytfloat@orig@label%
4672 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4673 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4674 \gdef\@biditytfloat@stored@shortcaption{%
4675 \gdef\@biditytfloat@stored@caption{%
4676 \gdef\@biditytfloat@stored@label{%
4677 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4678 }
4679 \newcommand{\@biditytfloat@float@textwidth}[3][0pt]{%
4680 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@recto}}
4681 % asymmetric or page is odd, so caption is on the right
4682 \hbox{%
4683   \usebox{#2}%
4684   \hspace{\marginparsep}%
4685   \smash{\raisebox{#1}{\usebox{#3}}}%
4686 }

```



```

4687 \@biditytfloat@float@debug{Caption position: [right]}%
4688 }{% symmetric pages and page is even, so caption is on the left
4689 \hbox{%
4690 \smash{\raisebox{#1}{\usebox{#3}}}%
4691 \hspace{\marginparsep}%
4692 \usebox{#2}%
4693 }
4694 \@biditytfloat@float@debug{Caption position: [left]}%
4695 }%
4696 }
4697 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
4698 \ifthenelse{equal{\floatalignment}{b}}%
4699   {% place caption above figure
4700   \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@cre
4701     {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{
4702     {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{
4703   }{% place caption below figure
4704   \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}\OR\boolean{@biditytfloat@float@cre
4705     {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{
4706     {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{
4707   }%
4708 }
4709 \renewenvironment{figure}[1][htbp]%
4710 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4711 {\end{@biditytfloat@float}}
4712 \renewenvironment{table}[1][htbp]
4713 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4714 {\end{@biditytfloat@float}}
4715 \renewenvironment{figure*}[1][htbp]%
4716 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4717 {\end{@biditytfloat@float}}
4718 \renewenvironment{table*}[1][htbp]%
4719 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4720 {\end{@biditytfloat@float}}
4721 \newenvironment{fullwidth}
4722 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4723   {\ifthenelse{\boolean{@biditytfloat@change page}}{\begin{adjustwidth*}{-}\@biditytfloat@
4724   {\begin{adjustwidth*}{-}\@biditytfloat@overhang}}%
4725 }%
4726 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
4727   {\ifthenelse{\boolean{@biditytfloat@change page}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4728   {\end{adjustwidth}}}%
4729 }
4730 \long\def\@caption#1[#2]#3{%
4731 \par%
4732 \addcontentsline{csname ext@#1\endcsname}{#1}%
4733 {\protect\numberline{csname the#1\endcsname}{\ignorespaces #2}}%
4734 \begingroup%
4735 \@parboxrestore%
4736 \if@minipage%

```



```

4737     \@setminipage%
4738     \fi%
4739     \@bidituftefloat@caption@font\@bidituftefloat@caption@justification%
4740     \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4741     %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4742 \endgroup}
4743 %%
4744 % Turns newlines into spaces. Based on code from the `titlesec' package.
4745 \DeclareRobustCommand{\@biditufteheading@newlinetospace}{%
4746 \@ifstar{\@biditufteheading@newlinetospace@i}{\@biditufteheading@newlinetospace@i}%
4747 }
4748 \def\@biditufteheading@newlinetospace@i{%
4749 \ifdim\lastskip>\z@\else\space\fi
4750 \ignorespaces%
4751 }
4752 \DeclareRobustCommand{\newlinetospace}[1]{%
4753 \let\@biditufteheading@orig@cr\\% save the original meaning of \\
4754 \def\\{\@biditufteheading@newlinetospace}% turn \\ and \\* into \space
4755 \let\newline\\% turn \newline into \space
4756 #1%
4757 \let\\ \@biditufteheading@orig@cr% revert to original meaning of \\
4758 }
4759 \RequirePackage{fancyhdr}
4760 \pagestyle{fancy}
4761 \AtBeginDocument{%
4762 \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4763   {\fancyhfoffset[LE,RO]{\@bidituftefloat@overhang}}
4764   {\fancyhfoffset[RE,RO]{\@bidituftefloat@overhang}}
4765 }
4766 % The running heads/feet don't have rules
4767 \renewcommand{\headrulewidth}{0pt}
4768 \renewcommand{\footrulewidth}{0pt}
4769 % The 'fancy' page style is the default style for all pages.
4770 \fancyhf{} % clear header and footer fields
4771 \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4772   {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4773   \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4774   {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4775 % The `plain' page style is used on chapter opening pages.
4776 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4777 % bottom of pages -- the folios are unexpressed.
4778 \fancypagestyle{plain}{
4779 \fancyhf{} % clear header and footer fields
4780 % Uncomment the following five lines of code if you want the opening page
4781 % of the chapter to express the folio in the lower outside corner.
4782 % \ifthenelse{\boolean{@bidituftefloat@symmetric}}
4783 %   {\fancyfoot[LE,RO]{\thepage}}
4784 %   {\fancyfoot[RE,RO]{\thepage}}
4785 }
4786 % The `empty' page style suppresses all headers and footers.

```



```

4787% It's used on title pages and `intentionally blank' pages.
4788 \fancyheadstyle{empty}{
4789   \fancyhf{} % clear header and footer fields
4790 }
4791 \def\morefloats{% provides a total of 52 floats
4792   \ifthenelse{\isundefined{\bx@S}}{%
4793     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
4794     \newinsert\bx@S
4795     \newinsert\bx@T
4796     \newinsert\bx@U
4797     \newinsert\bx@V
4798     \newinsert\bx@W
4799     \newinsert\bx@X
4800     \newinsert\bx@Y
4801     \newinsert\bx@Z
4802     \newinsert\bx@a
4803     \newinsert\bx@b
4804     \newinsert\bx@c
4805     \newinsert\bx@d
4806     \newinsert\bx@e
4807     \newinsert\bx@f
4808     \newinsert\bx@g
4809     \newinsert\bx@h
4810     \newinsert\bx@i
4811     \newinsert\bx@j
4812     \newinsert\bx@k
4813     \newinsert\bx@l
4814     \newinsert\bx@m
4815     \newinsert\bx@n
4816     \newinsert\bx@o
4817     \newinsert\bx@p
4818     \newinsert\bx@q
4819     \newinsert\bx@r
4820     \newinsert\bx@s
4821     \newinsert\bx@t
4822     \newinsert\bx@u
4823     \newinsert\bx@v
4824     \newinsert\bx@w
4825     \newinsert\bx@x
4826     \newinsert\bx@y
4827     \newinsert\bx@z
4828     \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4829       \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4830       \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4831       \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4832       \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4833       \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4834       \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4835       \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4836       \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n

```



```

4837         \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4838         \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4839         \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4840 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4841 \ifthenelse{isundefined{\bx@AA}}{%
4842   \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4843   \newinsert\bx@AA
4844   \newinsert\bx@BB
4845   \newinsert\bx@CC
4846   \newinsert\bx@DD
4847   \newinsert\bx@EE
4848   \newinsert\bx@FF
4849   \newinsert\bx@GG
4850   \newinsert\bx@HH
4851   \newinsert\bx@II
4852   \newinsert\bx@JJ
4853   \newinsert\bx@KK
4854   \newinsert\bx@LL
4855   \newinsert\bx@MM
4856   \newinsert\bx@NN
4857   \newinsert\bx@OO
4858   \newinsert\bx@PP
4859   \newinsert\bx@QQ
4860   \newinsert\bx@RR
4861   \newinsert\bx@SS
4862   \newinsert\bx@TT
4863   \newinsert\bx@UU
4864   \newinsert\bx@VV
4865   \newinsert\bx@WW
4866   \newinsert\bx@XX
4867   \newinsert\bx@YY
4868   \newinsert\bx@ZZ
4869 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4870             \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4871             \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4872             \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4873             \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4874             \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4875             \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4876             \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4877             \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4878             \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4879             \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4880             \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4881             \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4882             \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4883             \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4884             \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4885             \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4886             \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%

```



```

4887 }{%
4888 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageB
4889 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\
4890 }%
4891 }%
4892 }
4893 \newboolean{@biditytfloat@packages@subfigure}
4894 \setboolean{@biditytfloat@packages@subfigure}{false}
4895 \AtBeginDocument{%
4896 \ifpackageloaded{subfigure}
4897 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}
4898 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{false}}%
4899 }
4900 \AtBeginDocument{%
4901 \ifpackageloaded{float}{%
4902 % Save the redefined float environment (instead of the LaTeX float environment)
4903 \let\biditytfloat@orig@float@float
4904 \let\biditytfloat@orig@endfloat@endfloat
4905
4906 % Define Tuftian float styles (with the caption in the margin)
4907 \newcommand{\floatc@biditytfloatplain}[2]{%
4908 \begin{lrbox}{\@biditytfloat@caption@box}%
4909 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
4910 \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
4911 \end{minipage}%
4912 \end{lrbox}%
4913 \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
4914 }
4915 \newcommand{\fs@biditytfloatplain}{%
4916 \def\@fs@cfont{\@biditytfloat@caption@font}%
4917 \let\@fs@capt\floatc@biditytfloatplain%
4918 \def\@fs@pre{}%
4919 \def\@fs@post{}%
4920 \def\@fs@mid{}%
4921 \let\@fs@iftopcapt\iftrue%
4922 }
4923 \let\fs@biditytfloatplain=\fs@biditytfloatplain
4924 \let\floatc@biditytfloatplain=\floatc@biditytfloatplain
4925 \newcommand\floatc@biditytfloatruled[2]{%
4926 {\@fs@cfont #1} #2\par%
4927 }
4928 \newcommand\fs@biditytfloatruled{%
4929 \def\@fs@cfont{\@biditytfloat@caption@font}%
4930 \let\@fs@capt\floatc@biditytfloatplain%
4931 \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4932 \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4933 \def\@fs@mid{}%
4934 \let\@fs@iftopcapt\iftrue%
4935 }
4936 \newcommand\fs@biditytfloatboxed{%

```





```

4937 \def\@fs@cfont{}%
4938 \let\@fs@capt\floatc@biditytfloatplain%
4939 \def\@fs@pre{%
4940 \setbox\@currbox\box{\hbadness10000
4941 \moveleft3.4pt\box{\advance\hsize by6.8pt
4942 \hrule \hbox to\hsize{\vrule\kern3pt
4943 \box{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
4944 }%
4945 \def\@fs@mid{\kern2pt}%
4946 \def\@fs@post{}%
4947 \let\@fs@iftopcapt\iftrue%
4948 }
4949 }{%
4950 % Nothing to do
4951 }
4952 }
4953 \AtBeginDocument{%
4954 \@ifpackageloaded{algorithm}{%
4955 % Set the float style to the Tufteian version
4956 \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{bitytfloat}}{\@fs@cfont}{\@fs@pre}
4957 \biditytfloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak
4958 \floatstyle{biditytfloat\ALG@floatstyle}%
4959 \restylefloat{algorithm}%
4960 }{}%
4961 }{%
4962 % Nothing to do
4963 }
4964 }
4965 \PassOptionsToPackage{caption=false}{subfig}

```

## 23 File biditytfloatsidenote.sty

```

4966 \NeedsTeXFormat{LaTeX2e}
4967 \ProvidesPackage{biditytfloatsidenote}[2017/08/09 v0.4
4968 bidi implementation of tufte sidenote]
4969 \RequirePackage{xifthen}
4970 \RequirePackage{ragged2e}
4971 \RequirePackage{setspace}
4972 \RequirePackage{biditytools}
4973 \def\biditytfloatsidenotemarginpar{%
4974 \ifhmode
4975 \@bsphack
4976 \@floatpenalty -\@Mii
4977 \else
4978 \@floatpenalty-\@Miii
4979 \fi
4980 \ifinner
4981 \@parmoderr
4982 \@floatpenalty\z@
4983 \else

```



```

4984 \@next\@currbox\@freelist{ }{}%
4985 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4986 {\@floatpenalty\z@
4987 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4988 \fi
4989 \@ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteympar}
4990 \long\def\@bidityftesidenotexmpar[#1]#2{%
4991 \@bidityftesidenotesavemarbox\@marbox{#1}%
4992 \@bidityftesidenotesavemarbox\@currbox{#2}%
4993 \@xympar}
4994 \long\def\@bidityftesidenoteympar#1{%
4995 \@bidityftesidenotesavemarbox\@marbox{#1}%
4996 \global\setbox\@currbox\copy\@marbox
4997 \@xympar}
4998 \long\def \@bidityftesidenotesavemarbox #1#2{%
4999 \global\setbox #1%
5000 \color@vbox
5001 \vtop{%
5002 \hsize\marginparwidth
5003 \@parboxrestore
5004 \@bidityftesidenotemarginparreset
5005 #2%
5006 \@minipagefalse
5007 \outer@nobreak
5008 }%
5009 \color@endbox
5010 }
5011 \def \@bidityftesidenotemarginparreset {%
5012 \reset@font
5013 \normalsize
5014 \@minipagetrue
5015 \everypar{\@minipagefalse\everypar{ }if@RTL@footnote\beginR\else\beginL\fi}%
5016 }
5017 \def\LTRbidityftesidenotemarginpar{%
5018 \ifhmode
5019 \@bsphack
5020 \@floatpenalty -\@Mii
5021 \else
5022 \@floatpenalty-\@Miii
5023 \fi
5024 \ifinner
5025 \@parmoderr
5026 \@floatpenalty\z@
5027 \else
5028 \@next\@currbox\@freelist{ }{}%
5029 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5030 {\@floatpenalty\z@
5031 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5032 \fi
5033 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}

```



```

5034 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
5035   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
5036   \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
5037   \@xympar}
5038 \long\def\@LTRbidityftesidenoteympar#1{%
5039   \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
5040   \global\setbox\@currbox\copy\@marbox
5041   \@xympar}
5042 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
5043   \global\setbox #1%
5044     \color@vbox
5045     \vtop{%
5046       \hsizemarginparwidth
5047       \@parboxrestore
5048       \@LTRbidityftesidenotemarginparreset
5049       #2%
5050       \@minipagefalse
5051       \outer@nobreak
5052     }%
5053   \color@endbox
5054 }
5055 \def \@LTRbidityftesidenotemarginparreset {%
5056   \reset@font
5057   \normalsize
5058   \@minipagetrue
5059   \everypar{\@minipagefalse\everypar{}}\beginL}%
5060 }
5061 \def\RTLbidityftesidenotemarginpar{%
5062   \ifhmode
5063     \@bsphack
5064     \@floatpenalty -\@Mii
5065   \else
5066     \@floatpenalty-\@Miii
5067   \fi
5068   \ifinner
5069     \@parmoderr
5070     \@floatpenalty\z@
5071   \else
5072     \@next\@currbox\@freelist{}{}%
5073     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
5074     {\@floatpenalty\z@
5075     \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
5076   \fi
5077   \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteympar}
5078 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
5079   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
5080   \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
5081   \@xympar}
5082 \long\def\@RTLbidityftesidenoteympar#1{%
5083   \@RTLbidityftesidenotesavemarbox\@marbox{#1}%

```



```

5084 \global\setbox\@currbox\copy\@marbox
5085 \@xympar}
5086 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
5087 \global\setbox #1%
5088 \color@vbox
5089 \vtop{%
5090 \hsize\marginparwidth
5091 \@parboxrestore
5092 \@RTLbidityftesidenotemarginparreset
5093 #2%
5094 \@minipagefalse
5095 \outer@nobreak
5096 }%
5097 \color@endbox
5098 }
5099 \def \@RTLbidityftesidenotemarginparreset {%
5100 \reset@font
5101 \normalsize
5102 \@minipagetrue
5103 \everypar{\@minipagefalse\everypar{}\beginR}%
5104 }
5105 \newcommand*{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
5106 \newcommand*{\@bidityftesidenote@LTRmarginfont}{\normalfont\footnotesize}
5107 \newcommand*{\@bidityftesidenote@RTLmarginfont}{\normalfont\footnotesize}
5108 \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}
5109 \newcommand*{\@bidityftesidenote@LTRsidenote@font}{\@bidityftesidenote@LTRmarginfont}
5110 \newcommand*{\@bidityftesidenote@RTLSidenote@font}{\@bidityftesidenote@RTLmarginfont}
5111 \newcommand*{\@bidityftesidenote@marginnote@font}{\@bidityftesidenote@marginfont}
5112 \newcommand*{\@bidityftesidenote@LTRmarginnote@font}{\@bidityftesidenote@LTRmarginfont}
5113 \newcommand*{\@bidityftesidenote@RTLmarginnote@font}{\@bidityftesidenote@RTLmarginfont}
5114 \newcommand*{\@bidityftesidenote@citation@font}{\@bidityftesidenote@marginfont}
5115 \newcommand*{\@bidityftesidenote@LTRcitation@font}{\@bidityftesidenote@LTRmarginfont}
5116 \newcommand*{\@bidityftesidenote@RTLcitation@font}{\@bidityftesidenote@RTLmarginfont}
5117 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@sidenote@font}{#1}}
5118 \newcommand*{\setLTRsidenotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRsidenote@font}{#1}}
5119 \newcommand*{\setRTLSidenotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLSidenote@font}{#1}}
5120 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@marginnote@font}{#1}}
5121 \newcommand*{\setLTRmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@LTRmarginnote@font}}
5122 \newcommand*{\setRTLmarginnotefont}[1]{\renewcommand*{\@bidityftesidenote@RTLmarginnote@font}}
5123 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidityftesidenote@citation@font}{#1}}
5124 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidityftesidenote@LTRcitation@font}{#1}}
5125 \newcommand*{\setRTLcitationfont}[1]{\renewcommand*{\@bidityftesidenote@RTLcitation@font}{#1}}
5126 \newcommand*{\@bidityftesidenote@sidenote@justification}{\@bidityftesidenote@justification@aut}
5127 \newcommand*{\@bidityftesidenote@marginnote@justification}{\@bidityftesidenote@justification@aut}
5128 \newcommand*{\@bidityftesidenote@citation@justification}{\@bidityftesidenote@justification@aut}
5129 \newcommand*{\@bidityftesidenote@justification@autodetect}{\justifying}%
5130 \newcommand{\@bidityftesidenote@margin@par}{%
5131 \setlength{\RaggedRightParindent}{0.5pc}%
5132 \setlength{\JustifyingParindent}{0.5pc}%
5133 \setlength{\parindent}{0.5pc}%

```



```

5134 \setlength{\parskip}{0pt}%
5135 }
5136 %%
5137 % Globally sets the length
5138 \@ifundefined{gsetlength}{%
5139 \newcommand*\gsetlength}[2]{%
5140 \setlength{#1}{#2}%
5141 \global#1=#1\relax%
5142 }%
5143 }{}
5144
5145 %%
5146 % A function that removes leading and trailing spaces from the supplied macro.
5147 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
5148 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
5149 % being trimmed of leading and trailing white space.
5150 \catcode\Q=3
5151 \def\@bidityftesidenote@trim@spaces#1{%
5152 % Use grouping to emulate a multi-token afterassignment queue
5153 \begingroup%
5154 % Put \toks 0 {' into the afterassignment queue
5155 \aftergroup\toks\aftergroup0\aftergroup{%
5156 % Apply \trimb to the replacement text of #1, adding a leading
5157 % \noexpand to prevent brace stripping and to serve another purpose
5158 % later.
5159 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1\Q\Q}%
5160 % Transfer the trimmed text back into #1.
5161 \edef#1{\the\toks0}%
5162 }
5163 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
5164 % clean up any leftover bizarre Qs, and trim a leading space. In
5165 % order for \trimc to work properly we need to put back a Q first.
5166 \def\@bidityftesidenote@trim@b#1\Q{\@bidityftesidenote@trim@c#1\Q}
5167 % Execute \vfuzz assignment to remove leading space; the \noexpand
5168 % will now prevent unwanted expansion of a macro or other expandable
5169 % token at the beginning of the trimmed text. The \endgroup will feed
5170 % in the \aftergroup tokens after the \vfuzz assignment is completed.
5171 \def\@bidityftesidenote@trim@c#1\Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
5172 \catcode\Q=11
5173 %%
5174 % Citations should go in the margin as sidenotes
5175
5176 \RequirePackage{natbib}
5177 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environ
5178 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
5179 \renewcommand\BR@b@bibitem[2][ ]{%
5180 \ifthenelse{\isempty{#1}}{
5181   {\BR@bibitem{#2}}%
5182   {\BR@bibitem{#1}{#2}}%
5183 \BR@c@bibitem{#2}%

```



```

5184 }
5185 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
5186 %%
5187 % Normal \cite behavior
5188 \newcounter{@bidityftesidenote@num@bibkeys}%
5189 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
5190 % Snag the last bibentry in the list for later comparison
5191 \let\@temp@last@bibkey\empty%
5192 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5193 \sidenote[] [#1]{%
5194 % Loop through all the bibentries, separating them with semicolons and spaces
5195 \normalsize\normalfont\@bidityftesidenote@citation@font%
5196 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5197 \@for\@temp@bibkeyx:=#2\do{%
5198 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
5199 {\ifthenelse{equal{value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5200 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5201 \bibentry{\@temp@bibkeyx}}%
5202 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5203 \bibentry{\@temp@bibkeyx};\ }%
5204 \stepcounter{@bidityftesidenote@num@bibkeys}%
5205 }%
5206 }%
5207 }
5208 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
5209 % Snag the last bibentry in the list for later comparison
5210 \let\@temp@last@bibkey\empty%
5211 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5212 \LTRsidenote[] [#1]{%
5213 % Loop through all the bibentries, separating them with semicolons and spaces
5214 \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
5215 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5216 \@for\@temp@bibkeyx:=#2\do{%
5217 \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
5218 {\ifthenelse{equal{value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5219 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5220 \bibentry{\@temp@bibkeyx}}%
5221 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5222 \bibentry{\@temp@bibkeyx};\ }%
5223 \stepcounter{@bidityftesidenote@num@bibkeys}%
5224 }%
5225 }%
5226 }
5227 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
5228 % Snag the last bibentry in the list for later comparison
5229 \let\@temp@last@bibkey\empty%
5230 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5231 \RTLsidenote[] [#1]{%
5232 % Loop through all the bibentries, separating them with semicolons and spaces
5233 \normalsize\normalfont\@bidityftesidenote@citation@font%

```



```

5234 \setcounter{@biduftesidenote@num@bibkeys}{0}%
5235 \@for\@temp@bibkey:=#2\do{%
5236   \ifthenelse{equal{@temp@last@bibkey}{\@temp@bibkey}}%
5237     {\ifthenelse{equal{value{@biduftesidenote@num@bibkeys}}{0}}{-}{and\ }%
5238     \@biduftesidenote@trim@spaces\@temp@bibkey% trim spaces around bibkey
5239     \bibentry{\@temp@bibkey}}%
5240     {\@biduftesidenote@trim@spaces\@temp@bibkey% trim spaces around bibkey
5241     \bibentry{\@temp@bibkey};\ }%
5242   \stepcounter{@biduftesidenote@num@bibkeys}%
5243 }%
5244 }%
5245 }
5246 %%
5247 % Macros for holding the list of cite keys until after the \sidenote
5248 \gdef\@biduftesidenote@citations{}% list of cite keys
5249 \newcommand\@biduftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
5250 \ifx\@biduftesidenote@citations\@empty\else
5251   \g@addto@macro\@biduftesidenote@citations{,% separate by commas
5252   \fi
5253 \g@addto@macro\@biduftesidenote@citations{#1}
5254 }
5255 \newcommand{\@biduftesidenote@print@citations}[1][0pt]{% puts the citations in a margin note
5256 % Snag the last bibentry in the list for later comparison
5257 \let\@temp@last@bibkey\@empty%
5258 \@for\@temp@bibkey:=\@biduftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
5259 \marginpar{%
5260   \hbox{\vspace*{#1}}%
5261   \@biduftesidenote@citation@font%
5262   \@biduftesidenote@citation@justification%
5263   \@biduftesidenote@margin@par% use parindent and parskip settings for marginal text
5264   \vspace*{-1\baselineskip}%
5265   % Loop through all the bibentries, separating them with semicolons and spaces
5266   \setcounter{@biduftesidenote@num@bibkeys}{0}%
5267   \@for\@temp@bibkey:=\@biduftesidenote@citations\do{%
5268     \ifthenelse{equal{@temp@last@bibkey}{\@temp@bibkey}}%
5269       {\ifthenelse{equal{value{@biduftesidenote@num@bibkeys}}{0}}{-}{and\ }%
5270       \@biduftesidenote@trim@spaces\@temp@bibkey% trim spaces around bibkey
5271       \bibentry{\@temp@bibkey}}%
5272       {\@biduftesidenote@trim@spaces\@temp@bibkey% trim spaces around bibkey
5273       \bibentry{\@temp@bibkey};\ }%
5274     \stepcounter{@biduftesidenote@num@bibkeys}%
5275   }%
5276 }%
5277 }
5278 %%
5279 % \cite behavior when executed within a sidenote
5280 \newcommand{\@biduftesidenote@sidenote@citations}{% contains list of \cites in sidenote
5281 \newcommand{\@biduftesidenote@infootnote@cite}[1]{%
5282   \@biduftesidenote@add@citation{#1}
5283 }

```



```

5284 %%
5285 % Set the default \cite style. This is set and reset by the \sidenote command.
5286 \let\cite\@bidiuftesidenote@normal@cite
5287 \let\LTRcite\@bidiuftelTRSidenote@normal@cite
5288 \let\RTLcite\@bidiufteRTLSidenote@normal@cite
5289 %%
5290 % Transform existing \footnotes into \sidenotes
5291 % Sidenote: ``Where God meant footnotes to go.''' ---bidiuftesidenote
5292 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5293 \providecommand{\footnotelayout}{\@bidiuftesidenote@sidenote@font\@bidiuftesidenote@sidenote@font}
5294 \renewcommand{\footnotelayout}{\@bidiuftesidenote@sidenote@font\@bidiuftesidenote@sidenote@font}
5295 % Override footmisc's definition to set the sidenote marks (numbers) inside the
5296 % sidenote's text block.
5297 \bidi@patch@AfterPackage{bidi}{\long\def\@makefnintx#1{\@textsuperscript{\@bidiuftesidenote@font\footnotemark#1}}
5298 % Set the in-text footnote mark in the same typeface as the body text itself.
5299 \bidi@patch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotemark#1}}}
5300 \providecommand*\@multiplefootnotemarker}{3sp}
5301 \providecommand*\multfootsep}{,}
5302 \bidi@patch@AfterPackage{bidi}{%
5303 \renewcommand{\@footnotemark}{%
5304 \leavevmode%
5305 \ifhmode%
5306 \edef\@x@sf{\the\spacefactor}%
5307 \@bidiuftesidenote@check@multiple@sidenotes%
5308 \nobreak%
5309 \fi%
5310 \@makefnmark%
5311 \ifhmode\spacefactor\@x@sf\fi%
5312 \relax%
5313 }%
5314 }
5315 \newcommand{\@bidiuftesidenote@check@multiple@sidenotes}{%
5316 \ifdim\lastkern=\@multiplefootnotemarker\relax%
5317 \edef\@x@sf{\the\spacefactor}%
5318 \unkern%
5319 \textsuperscript{\multfootsep}%
5320 \spacefactor\@x@sf\relax%
5321 \fi
5322 }
5323 \bidi@patch@AfterPackage{bidi}{%
5324 \renewcommand\@footnotetext[2][Opt]{%
5325 \bidiuftesidenotemarginpar{%
5326 \hbox{\vspace*{#1}}%
5327 \def\baselinestretch {\setspace@singlespace}%
5328 \reset@font%
5329 \bidi@fontnotetext@font% \reset@font\footnotesize%
5330 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
5331 \vspace*{-1\baselineskip}\noindent%
5332 \protected@edef\@currentlabel{%
5333 \csname p@footnote\endcsname\@thefnmark%

```





```

5334 }%
5335 \color@begingroup%
5336 \makefnstext{%
5337 \ignorespaces#2%
5338 }%
5339 \color@endgroup%
5340 }%
5341 }%
5342 \renewcommand\LTRfootnotetext [2] [Opt]{%
5343 \LTRbidituftesidenotemarginpar{%
5344 \hbox{\vspace*{#1}}%
5345 \def\baselinestretch {\setspace@singlespace}%
5346 \reset@font%
5347 \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5348 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
5349 \vspace*{-1\baselineskip}\noindent%
5350 \protected@edef\@currentlabel{%
5351 \csname p@footnote\endcsname\@thefnmark%
5352 }%
5353 \color@begingroup%
5354 \makefnstext{%
5355 \ignorespaces#2%
5356 }%
5357 \color@endgroup%
5358 }%
5359 }%
5360 \renewcommand\RTLfootnotetext [2] [Opt]{%
5361 \RTLbidituftesidenotemarginpar{%
5362 \hbox{\vspace*{#1}}%
5363 \def\baselinestretch {\setspace@singlespace}%
5364 \reset@font%
5365 \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5366 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
5367 \vspace*{-1\baselineskip}\noindent%
5368 \protected@edef\@currentlabel{%
5369 \csname p@footnote\endcsname\@thefnmark%
5370 }%
5371 \color@begingroup%
5372 \makefnstext{%
5373 \ignorespaces#2%
5374 }%
5375 \color@endgroup%
5376 }%
5377 }%
5378 }
5379 %
5380 % Define \sidenote command. Can handle \cite.
5381 \newlength{\@bidiuftesidenote@sidenote@vertical@offset}
5382 \setlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}
5383 % #1 = footnote num, #2 = vertical offset, #3 = footnote text

```



```

5384 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
5385 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5386 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5387 \ifthenelse{\NOT\isempty{#2}}{%
5388 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5389 }{%
5390 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5391 }%
5392 \ifthenelse{\isempty{#1}}{%
5393 % no specific footnote number provided
5394 \stepcounter\@mpfn%
5395 \protected@xdef\@thefnmark{\thempfn}%
5396 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5397 }{%
5398 % specific footnote number provided
5399 \begingroup%
5400 \csname c@\@mpfn\endcsname #1\relax%
5401 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5402 \endgroup%
5403 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5404 }%
5405 \@bidityftesidenote@print@citations% print any citations
5406 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5407 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRC
5408 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLC
5409 \unskip\ignorespaces% remove extra white space
5410 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5411 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5412 }
5413 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
5414 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5415 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5416 \ifthenelse{\NOT\isempty{#2}}{%
5417 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5418 }{%
5419 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5420 }%
5421 \ifthenelse{\isempty{#1}}{%
5422 % no specific footnote number provided
5423 \stepcounter\@mpfn%
5424 \protected@xdef\@thefnmark{\thempfn}%
5425 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5426 }{%
5427 % specific footnote number provided
5428 \begingroup%
5429 \csname c@\@mpfn\endcsname #1\relax%
5430 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5431 \endgroup%
5432 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5433 }%

```



```

5434 \@bidituftesidenote@print@citations%          print any citations
5435 \let\cite@bidituftesidenote@normal@cite%      go back to using normal in-text \cite comman
5436 \let\LTRcite@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LTRC
5437 \let\RTLcite@bidituftRTLsidenote@normal@cite% go back to using normal in-text \RTL
5438 \unskip\ignorespaces%                          remove extra white space
5439 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
5440 \kern\multiplefootnotemarker\relax%            add new \kern here to replace the one we yanked
5441 }
5442 \long\def\@RTLbidituftesidenote@sidenote[#1][#2]#3{%
5443 \let\cite@bidituftesidenote@infootnote@cite%  use the in-sidenote \cite command
5444 \gdef\@bidituftesidenote@citations{}%        clear out any old citations
5445 \ifthenelse{NOT\isempty{#2}}{%
5446 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
5447 }{%
5448 \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
5449 }%
5450 \ifthenelse{\isempty{#1}}{%
5451 % no specific footnote number provided
5452 \stepcounter\@mpfn%
5453 \protected@xdef\@thefnmark{\thempfn}%
5454 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
5455 }{%
5456 % specific footnote number provided
5457 \begingroup%
5458 \csname c@\@mpfn\endcsname #1\relax%
5459 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5460 \endgroup%
5461 \@footnotemark\@RTLfootnotetext[\@bidituftesidenote@sidenote@vertical@offset]{#3}%
5462 }%
5463 \@bidituftesidenote@print@citations%          print any citations
5464 \let\cite@bidituftesidenote@normal@cite%      go back to using normal in-text \cite comman
5465 \let\LTRcite@bidituftelTRSidenote@normal@cite% go back to using normal in-text \LTRC
5466 \let\RTLcite@bidituftRTLsidenote@normal@cite% go back to using normal in-text \RTL
5467 \unskip\ignorespaces%                          remove extra white space
5468 \kern-\multiplefootnotemarker%                 remove \kern left behind by sidenote
5469 \kern\multiplefootnotemarker\relax%            add new \kern here to replace the one we yanked
5470 }
5471 \newcommand{\sidenote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}
5472 \newcommand{\LTRsidenote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}
5473 \newcommand{\RTLSidenote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}
5474 \bidi@patch@AfterPackage{bidi}{%
5475 \renewcommand{\footnote}{\optparams{\@bidituftesidenote@sidenote}{[] [Opt]}}%
5476 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidituftesidenote@sidenote}{[] [Opt]}}%
5477 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidituftesidenote@sidenote}{[] [Opt]}}%
5478 }
5479 %%
5480 % Sidenote without the footnote mark
5481 \newcommand\marginnote[2] [Opt]{%
5482 \let\cite@bidituftesidenote@infootnote@cite%  use the in-sidenote \cite command
5483 \gdef\@bidituftesidenote@citations{}%        clear out any old citations

```



```

5484 \bidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
5485 \@bidityftesidenote@print@citations%          print any citations
5486 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comman
5487 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5488 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
5489 }
5490 \newcommand\LTRmarginnote [2] [Opt] {%
5491 \let\cite\@bidityftesidenote@infootnote@cite%  use the in-sidenote \cite command
5492 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
5493 \LTRbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@LTRmarginnote@font\@b
5494 \@bidityftesidenote@print@citations%          print any citations
5495 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comman
5496 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5497 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
5498 }
5499 \newcommand\RTLMarginnote [2] [Opt] {%
5500 \let\cite\@bidityftesidenote@infootnote@cite%  use the in-sidenote \cite command
5501 \gdef\@bidityftesidenote@citations{}%         clear out any old citations
5502 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLMarginnote@font\@b
5503 \@bidityftesidenote@print@citations%          print any citations
5504 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite comman
5505 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRc
5506 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLc
5507 }

```

## 24 File bidityftetoc.sty

```

5508 \NeedsTeXFormat{LaTeX2e}
5509 \ProvidesPackage{bidityftetoc}[2011/06/17 v0.1
5510 bidi implementation of tufte toc]
5511 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5512 \newcommand{\@bidityftetoc@pkgname}{bidityftetoc}
5513 \newcommand{\@bidityftetocError}[2]{\PackageError{\@bidityftetoc@pkgname}{#1}{#2}}
5514 %%
5515 % Turn off section numbering
5516 \setcounter{secnumdepth}{-1}
5517 \newboolean{@bidityftetoc@toc}
5518 \setboolean{@bidityftetoc@toc}{true}
5519 \DeclareOption{notoc}{\setboolean{@bidityftetoc@toc}{false}}
5520 \DeclareOption{toc}{\setboolean{@bidityftetoc@toc}{true}}
5521 \ProcessOptions
5522 %%
5523 % Make Tuftian-style section headings and TOC formatting
5524 \bidityftetoc@patch@AfterPackage{bidi}{%
5525 \titleformat{\chapter}%
5526 [display]% shape
5527 {\relax\ifthenelse{\NOT\boolean{@bidityftetoc@symmetric}}{\begin{fullwidth}}{}}% format ap
5528 {\itshape\huge\thechapter}% label
5529 {Opt}% horizontal separation between label and title body
5530 {\huge\rmfamily\itshape}% before the title body

```



```

5531 [\ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}{\end{fullwidth}}{}]% after the title
5532 \titleformat{\section}%
5533   [hang]% shape
5534   {\normalfont\Large\itshape}% format applied to label+text
5535   {\thesection}% label
5536   {1em}% horizontal separation between label and title body
5537   {}% before the title body
5538   []% after the title body
5539 \titleformat{\subsection}%
5540   [hang]% shape
5541   {\normalfont\large\itshape}% format applied to label+text
5542   {\thesubsection}% label
5543   {1em}% horizontal separation between label and title body
5544   {}% before the title body
5545   []% after the title body
5546 \titleformat{\paragraph}%
5547   [runin]% shape
5548   {\normalfont\itshape}% format applied to label+text
5549   {\theparagraph}% label
5550   {1em}% horizontal separation between label and title body
5551   {}% before the title body
5552   []% after the title body
5553 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5554 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5555 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}
5556 }
5557 % Subsubsection and following section headings shouldn't be used.
5558 % See Bringhurst's The Elements of Typography, section 4.2.2.
5559 \renewcommand\subsubsection{%
5560   \biditytError{\noexpand\subsubsection is undefined by this class.%
5561     \MessageBreak See Robert Bringhurst's The Elements of
5562     \MessageBreak Typographic Style, section 4.2.2.
5563     \MessageBreak \noexpand\subsubsection was used}
5564   {From Bringhurst's The Elements of Typographic Style, section 4.2.2: Use as
5565     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5566     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityt.com/.}
5567 }
5568 \renewcommand\subparagraph{%
5569   \biditytError{\noexpand\subparagraph is undefined by this class.%
5570     \MessageBreak See Robert Bringhurst's The Elements of
5571     \MessageBreak Typographic Style, section 4.2.2.
5572     \MessageBreak \noexpand\subparagraph was used}
5573   {From Bringhurst's The Elements of Typographic Style, section 4.2.2: Use as
5574     \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5575     \MessageBreak related threads on Ask E.T. at http://www.edwardbidityt.com/.}
5576 }
5577 % Formatting for main TOC (printed in front matter)
5578 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5579 \ifthenelse{\boolean{@biditytetc@toc}}{%
5580   \bidi@patch@AfterPackage{bidi}{%

```



```

5581 \titlecontents{part}% FIXME
5582 [0em] % distance from left margin
5583 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5584 {\contentslabel{2em}} % before w/label (label = ``II'')
5585 {} % before w/o label
5586 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5587 [\end{fullwidth}] % after
5588 \titlecontents{chapter}%
5589 [0em] % distance from left margin
5590 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5591 {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
5592 {\hspace*{0em}} % before w/o label
5593 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5594 [\end{fullwidth}] % after
5595 \titlecontents{section}% FIXME
5596 [0em] % distance from left margin
5597 {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format
5598 {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5599 {\hspace*{2em}} % before w/o label
5600 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5601 [\end{fullwidth}] % after
5602 \titlecontents{subsection}% FIXME
5603 [0em] % distance from left margin
5604 {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format
5605 {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5606 {\hspace*{4em}} % before w/o label
5607 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5608 [\end{fullwidth}] % after
5609 \titlecontents{paragraph}% FIXME
5610 [0em] % distance from left margin
5611 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global for
5612 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5613 {\hspace*{6em}} % before w/o label
5614 {\rmfamily\upshape\quad\thecontentspage} % filler + page (leaders and page num)
5615 [\end{fullwidth}] % after
5616 }%
5617 }{}
5618 %%
5619 % Format lists of figures/tables
5620 \renewcommand\listoffigures{%
5621 \@ifundefined{chapter}%
5622 {\section*{\listfigurename}}%
5623 {\chapter*{\listfigurename}}%
5624 % \begin{fullwidth}%
5625 \@starttoc{lof}%
5626 % \end{fullwidth}%
5627 }
5628 \renewcommand\listoftables{%
5629 \@ifundefined{chapter}%
5630 {\section*{\listtablename}}%

```



```

5631   {\chapter*{\listtablename}}%
5632 % \begin{fullwidth}%
5633   \@starttoc{lot}%
5634 % \end{fullwidth}%
5635 }
5636 \newcommand{\@bidityfttoc@lof@line}[2]{%
5637 % #1 is the figure/table number and its caption text
5638 % #2 is the page number on which the figure/table appears
5639 \leftskip 0.0em
5640 \rightskip 0em
5641 \parfillskip 0em plus 1fil
5642 \parindent 0.0em
5643 \@afterindenttrue
5644 \interlinepenalty\@M
5645 \leavevmode
5646 \@tempdima 2.0em
5647 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5648 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
5649 {#1}\nobreak\quad\nobreak#2%
5650 \par%
5651 }
5652 \renewcommand*\l@figure{\@bidityfttoc@lof@line}
5653 \let\l@table\l@figure

```

## 25 File `bidityftgeneralstructure.sty`

```

5654 \NeedsTeXFormat{LaTeX2e}
5655 \ProvidesPackage{bidityftgeneralstructure}[2011/06/18 v0.1
5656 bidi implementation of tufte general structure]
5657 \renewcommand\small{%
5658   \@setfontsize\small\@ixpt{12}%
5659   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5660   \abovedisplayshortskip \z@ \@plus2\p@
5661   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5662   \def\@listi{\leftmargin\leftmargini
5663             \topsep 4\p@ \@plus2\p@ \@minus2\p@
5664             \parsep 2\p@ \@plus\p@ \@minus\p@
5665             \itemsep \parsep}%
5666   \belowdisplayskip \abovedisplayskip
5667 }
5668 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5669 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5670 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5671 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5672 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5673 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5674 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5675 \setlength\leftmargini {1pc}
5676 \setlength\leftmarginii {1pc}
5677 \setlength\leftmarginiii {1pc}

```



```

5678 \setlength\leftmarginiv {1pc}
5679 \setlength\leftmarginv {1pc}
5680 \setlength\leftmarginvi {1pc}
5681 \setlength\labelsep {.5pc}
5682 \setlength\labelwidth {\leftmargini}
5683 \addtolength\labelwidth{-\labelsep}
5684 \setlength{\parindent}{1.0pc}%
5685 \setlength{\parskip}{0pt}%
5686 \RequirePackage{ragged2e}
5687 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hspace}
5688 % Paragraph indentation and separation for normal text
5689 \newcommand{\@biditytgeneralstructure@reset@par}{%
5690 \setlength{\RaggedRightParindent}{1.0pc}%
5691 \setlength{\JustifyingParindent}{1.0pc}%
5692 \setlength{\parindent}{1pc}%
5693 \setlength{\parskip}{0pt}%
5694 }
5695 \@biditytgeneralstructure@reset@par
5696 % Require paralist package for tighter lists
5697 \RequirePackage{paralist}
5698 % Add rightmargin to compactenum
5699 \def\@compactenum@{%
5700 \expandafter\list\csname label\@enumctr\endcsname{%
5701 \usecounter{\@enumctr}%
5702 \rightmargin=2em% added this
5703 \parsep\plparsep
5704 \itemsep\plitemsep
5705 \topsep\pltopsep
5706 \partopsep\plpartopsep
5707 \def\makelabel##1{\hss\llap{##1}}}}
5708 %%
5709 % An environment for paragraph-style section
5710 \providecommand\newthought[1]{%
5711 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5712 \noindent\textbf{#1}%
5713 }
5714 %%
5715 % Redefine the display environments (quote, quotation, etc.)
5716 \renewenvironment{verse}
5717 {\let\\\@centercr
5718 \list{}{\itemsep \z@
5719 \itemindent -1pc%
5720 \listparindent\itemindent
5721 \rightmargin \leftmargin
5722 \advance\leftmargin 1pc}%
5723 \small%
5724 \item\relax}
5725 {\endlist}
5726 \renewenvironment{quotation}
5727 {\list{}{\listparindent 1pc%

```





```

5728             \itemindent   \listparindent
5729             \rightmargin  \leftmargin
5730             \parsep       \z@ \@plus\p@}%
5731             \small%
5732             \item\relax\noindent\ignorespaces}
5733             {\endlist}
5734 \renewenvironment{quote}
5735             {\list{}{\rightmargin\leftmargin}%
5736             \small%
5737             \item\relax}
5738             {\endlist}
5739 % Italicize description run-in headings (instead of the default bold)
5740 \renewcommand*{descriptionlabel}[1]{\hspace\labelsep\normalfont\em #1}
5741 %%
5742 % Redefine \bibsection to not mark the running heads.
5743 % (Code modified from natbib.sty.)
5744 \@ifundefined{chapter}%
5745   {\renewcommand\bibsection{\section*{\refname}}}
5746   {\@ifundefined{NAT@sectionbib}%
5747     {\renewcommand\bibsection{\chapter{\bibname}}}
5748     {\renewcommand\bibsection{\section*{\bibname}}}}
5749 \RequirePackage{multicol}
5750 \renewenvironment{theindex}{%
5751 \@ifundefined{chapter}%
5752   {\section*{\indexname}}%
5753   {\chapter{\indexname}}%
5754 \begin{fullwidth}%
5755 \small%
5756 \parskip0pt%
5757 \parindent0pt%
5758 \let\item\@idxitem%
5759 \begin{multicols}{3}%
5760 }{%
5761 \end{multicols}%
5762 \end{fullwidth}%
5763 }
5764 \AtBeginDocument{%
5765 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5766 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5767 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5768 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5769 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

## 26 File `bidituftehyperref.sty`

```

5770 \NeedsTeXFormat{LaTeX2e}
5771 \ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5772 bidi implementation of tufte hyperref]
5773 %%
5774 % Color

```



```

5775 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5776 \newboolean{@biditytfttehyperref@loadhyper}
5777 \setboolean{@biditytfttehyperref@loadhyper}{true}
5778 \DeclareOption{hyper}{\setboolean{@biditytfttehyperref@loadhyper}{true}}
5779 \DeclareOption{nohyper}{\setboolean{@biditytfttehyperref@loadhyper}{false}}
5780 \ProcessOptions
5781 %% Loads the hyperref package and sets some default options.
5782 \newcommand{\biditytfttehyperrefLoadHyperref}{%
5783 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5784 \hypersetup{%
5785   bookmarksdepth = section,
5786   citecolor = DarkGreen,
5787   linkcolor = DarkBlue,
5788   pagecolor = DarkBlue,
5789   urlcolor = DarkGreen,
5790 }%
5791 }
5792 \ifthenelse{\boolean{@biditytfttehyperref@loadhyper}}{%
5793 \biditytfttehyperrefLoadHyperref%
5794 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5795 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5796 }

```

## 27 File `biditytfttetitle.sty`

```

5797 \NeedsTeXFormat{LaTeX2e}
5798 \ProvidesPackage{biditytfttetitle}[2011/06/18 v0.1
5799 bidi implementation of tufte title]
5800 \RequirePackage{biditytools}
5801 %%
5802 % `titlepage' option -- creates a full title page with \maketitle
5803 \newboolean{@biditytfttetitle@titlepage}
5804 \DeclareOption{titlepage}{\setboolean{@biditytfttetitle@titlepage}{true}}
5805 \DeclareOption{notitlepage}{\setboolean{@biditytfttetitle@titlepage}{false}}
5806 % Default `book' and `handout' options
5807 \@ifclassloaded{book}{%
5808 \ExecuteOptions{titlepage}}{%
5809 \@ifclassloaded{article}{%
5810 \ExecuteOptions{notitlepage}}%
5811 {}}
5812 \ProcessOptions
5813 %%
5814 % Modified \title, \author, and \date commands. These store the
5815 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5816 \newcommand{\plaintitle}{% plain-text-only title
5817 \newcommand{\plainauthor}{% plain-text-only author
5818 \newcommand{\plainpublisher}{% plain-text-only publisher
5819 \newcommand{\thanklesstitle}{% full title text minus \thanks{}
5820 \newcommand{\thanklessauthor}{% full author text minus \thanks{}
5821 \newcommand{\thanklesspublisher}{% full publisher text minus \thanks{}

```



```

5822 \newcommand{\@publisher}{}% full publisher with \thanks{
5823 \newcommand{\thedata}{\today}
5824 \bidi@patch@AfterPackage{bidi}{%
5825 \renewcommand{\thanks}[1]{\footnote{#1}}
5826 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5827 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5828 }
5829 \renewcommand{\title}[2] [] {%
5830 \gdef\@title{#2}%
5831 \begingroup%
5832 % TODO store contents of \thanks command
5833 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5834 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5835 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5836 \protected@xdef\thanklesstitle{#2}%
5837 \endgroup%
5838 \ifthenelse{\isempty{#1}}%
5839 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5840 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5841 \@ifundefined{hypersetup}%
5842 {}% hyperref is not loaded; do nothing
5843 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5844 }
5845 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5846 \renewcommand{\author}[2] [] {%
5847 \ifthenelse{\isempty{#2}}{-}{\gdef\@author{#2}}%
5848 \begingroup%
5849 % TODO store contents of \thanks command
5850 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5851 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5852 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5853 \protected@xdef\thanklessauthor{#2}%
5854 \endgroup%
5855 \ifthenelse{\isempty{#1}}%
5856 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5857 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5858 \@ifundefined{hypersetup}%
5859 {}% hyperref is not loaded; do nothing
5860 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5861 }
5862 \renewcommand{\date}[1]{%
5863 \gdef\@date{#1}%
5864 \begingroup%
5865 % TODO store contents of \thanks command
5866 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5867 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5868 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5869 \protected@xdef\thedata{#1}%
5870 \endgroup%
5871 }

```



```

5872 %%
5873 % Provides a \publisher command to set the publisher
5874 \newcommand{\publisher}[2] [] {%
5875   \gdef\@publisher{#2}%
5876   \begingroup%
5877     \renewcommand{\thanks}[1]{}% swallow \thanks contents
5878     \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5879     \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5880     \protected@xdef\thanklesspublisher{#2}%
5881   \endgroup%
5882   \ifthenelse{\isempty{#1}}
5883     {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5884     {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5885 }
5886 %%
5887 % Produces a full title page
5888 \newcommand{\maketitlepage}[0] {%
5889   \cleardoublepage%
5890   {%
5891     \bfseries%
5892     \begin{fullwidth}%
5893       \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5894       \vspace{11.5pc}%
5895       \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5896       \vfill%
5897       \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5898     \end{fullwidth}%
5899   }
5900   \thispagestyle{empty}%
5901   \clearpage%
5902 }
5903 %%
5904 % Title block
5905 \bidi@AfterEndPreamble{%
5906 \renewcommand{\maketitle}{%
5907   \newpage%
5908   \global\@topnum\z@% prevent floats from being placed at the top of the page
5909   \begingroup%
5910     \setlength{\parindent}{0pt}%
5911     \setlength{\parskip}{4pt}%
5912     \let\@@title\@empty%
5913     \let\@@author\@empty%
5914     \let\@@date\@empty%
5915     \gdef\@@title{\LARGE\itshape\@title\par}%
5916     \gdef\@@author{\Large\itshape\@author\par}%
5917     \gdef\@@date{\Large\itshape\@date\par}%
5918     \@@title%
5919     \@@author%
5920     \@@date%
5921   \endgroup%

```



```

5922 \thispagestyle{plain}% suppress the running head
5923 }%
5924 }
5925 %%
5926 % Title page (if the `titlepage' option was passed to the biditytetitle-handout
5927 % class.)
5928 \bidi@AfterEndPreamble{%
5929 \ifthenelse{\boolean{@biditytetitle@titlepage}}
5930 {\renewcommand{\maketitle}{\maketitlepage}}
5931 {}
5932 }
5933 %%
5934 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5935 % without headers and footers
5936 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5937 \hbox{}
5938 %\vspace*{\fill}
5939 %\begin{center}
5940 % This page intentionally contains only this sentence.
5941 %\end{center}
5942 %\vspace{\fill}
5943 \thispagestyle{empty}
5944 \newpage
5945 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

## 28 File biditytfe-handout.cls

```

5946 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5947 \ProvidesClass{biditytfe-handout}[2011/06/18 v0.1 biditytfe-handout class]
5948 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5949 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytfefloat}}
5950 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytftetoc}}
5951 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytfehyperref}}
5952 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{biditytftetitle}}
5953 \ProcessOptions\relax
5954 \LoadClass{article}
5955 \RequirePackage{biditytfefloat}
5956 \RequirePackage{biditytfesidenote}
5957 \RequirePackage{biditytftetoc}
5958 \RequirePackage{biditytfegeneralstructure}
5959 \RequirePackage{biditytfehyperref}
5960 \RequirePackage{biditytftetitle}
5961 \renewenvironment{abstract}
5962 {\begin{quotation}}
5963 {\end{quotation}}
5964 \AtBeginDocument{%
5965 \IfFileExists{biditytfe-handout.cfg}
5966 {\input{biditytfe-handout.cfg}
5967 \ClassInfo{biditytfe-handout}{Loading biditytfe-handout configuration file \@gobble}}
5968 }%

```



5969 }

## 29 File `biditufte-book.cls`

```
5970 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5971 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5972 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5973 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5974 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5975 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5976 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5977 \ProcessOptions\relax
5978 \LoadClass{book}
5979 \RequirePackage{bidituftefloat}
5980 \RequirePackage{bidituftesidenote}
5981 \RequirePackage{bidituftetoc}
5982 \RequirePackage{bidituftegeneralstructure}
5983 \RequirePackage{bidituftehyperref}
5984 \RequirePackage{bidituftetitle}
5985 %%
5986 % Set up any book-specific stuff now
5987 %%
5988 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5989 % to the opening page of Chapter 1. The running heads, when they appear,
5990 % contain only the (arabic) page number in the outside corner.
5991 %\newif\if@mainmatter \mainmattertrue
5992 \renewcommand\frontmatter{%
5993   \cleardoublepage%
5994   \@mainmatterfalse%
5995   \pagenumbering{arabic}%
5996   %\pagestyle{plain}%
5997   \fancyhf{}%
5998   \ifthenelse{\boolean{@bidituftefloat@twoside}}%
5999     {\fancyhead[LE,RO]{\thepage}}%
6000     {\fancyhead[RE,RO]{\thepage}}%
6001 }
6002 %%
6003 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
6004 % numbering---it continues where it left off in the front matter.
6005 \renewcommand\mainmatter{%
6006   \cleardoublepage%
6007   \@mainmattertrue%
6008   \fancyhf{}%
6009   \ifthenelse{\boolean{@bidituftefloat@twoside}}%
6010     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
6011     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
6012     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}}% chapter title
6013     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
6014 }
6015 %%
```



```

6016% The back matter contains appendices, indices, glossaries, endnotes,
6017% bibliographies, list of contributors, illustration credits, etc.
6018 \renewcommand\backmatter{%
6019   \if@openright%
6020     \cleardoublepage%
6021   \else%
6022     \clearpage%
6023   \fi%
6024   \@mainmatterfalse%
6025 }
6026 %%
6027 % Only show the chapter titles in the table of contents
6028 \setcounter{tocdepth}{0}
6029 \AtBeginDocument{%
6030 \IfFileExists{biditufte-book.cfg}
6031   {\input{biditufte-book.cfg}
6032     \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
6033   {}%
6034 }

```

### 30 File bidipoem.sty

```

6035 \NeedsTeXFormat{LaTeX2e}
6036 \ProvidesPackage{bidipoem}%
6037 [2019/03/03 v1.0 Environments for typesetting Persian traditional and modern poems]
6038
6039 % Usage:
6040 %
6041 % \Setversedim #1#2 % define the layout (within a group):
6042 % #1 = length of both half-verses
6043 % #2 = separation distance = length of a connection, if present
6044 % Variant:
6045 % \Setversedim #1[#2]#3 % for half-verses of unequal length
6046 % #1 = length of first (=right) half-verse
6047 % #2 = length of second (=left) half-verse
6048 % #3 = separation distance = length of a connection, if present
6049 %
6050 % \traditionalhalfverses #1#2 % typeset two separated half-verses
6051 % #1 = text of first (=right) half-verse
6052 % #2 = text of second (=left) half-verse
6053 % Variant:
6054 % \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
6055 % #1 = text of first (=right) half-verse
6056 % #2 = text of connection
6057 % #3 = text of second (=left) half-verse
6058 %
6059 % Alternative (if preferred):
6060 %
6061 % \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
6062

```



```

6063
6064 \newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
6065
6066 % define the layout, verses will be centered
6067
6068 \newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
6069 \newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
6070
6071 \newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
6072 \bidipoem@hvind \textwidth
6073 \bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen
6074 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
6075 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
6076
6077 \def \bidipoem@set@verseI [#1]{% optional parameter
6078 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
6079
6080 \newcommand*{\bidipoem@set@@verse}[1]{% separation
6081 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
6082 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
6083
6084 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
6085 \ifdim Opt > \bidipoem@hvind %
6086 \bidipoem@spreadbox \bidipoem@hvlen {#1}\ \hfill % first block
6087 \else
6088 \noindent \hskip \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
6089 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
6090 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
6091 \par }
6092
6093 % macro for two half verses
6094 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
6095 \ifx [#2\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[]}%
6096 \else\def \bidipoem@half@verses@next{\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
6097 \bidipoem@half@verses@next}
6098
6099 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
6100 \traditionalconnverses {#1}{#2}{#3}}
6101
6102
6103 {\catcode\^^M=\active % these lines must end with %
6104 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
6105 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
6106 {\catcode\^^M=\active % these lines must end with %
6107 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
6108 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
6109 \def\poemcolsepkip{.1\versewidth plus .1\versewidth minus .05\versewidth}
6110 \def\poemmarginkip{1em plus 1fil minus 1em}
6111 \def\poemextrabaselineskip{0\baselineskip}
6112 \def\poemskip{\medskip}

```





```

6113 \newcommand{\bidipoem@openbox}{\leavevmode
6114   \hbox to.77778em{%
6115     \hfil\vrule
6116     \vbox to.675em{\hrule width.6em\vfil\hrule}%
6117     \vrule\hfil}}
6118 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
6119 \newdimen\versewidth
6120 \newtoks\bidipoem@p@ftn
6121 \def\poem@verse#1{%
6122   \ifdim\wd#1>\new@poem@width
6123     \xdef\new@poem@width{\the\wd#1}%
6124     \ifdim\new@poem@width>\poem@width
6125       \xdef\poem@width{\new@poem@width}%
6126     \global\let\poem@needrun\relax
6127   \fi
6128   \fi
6129   \hbox to\poem@width{\unhbox#1}%
6130   \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
6131 }
6132 \def\poem@linebegin{\vadjust{}}\hskip\@flushglue\hskip\poemmargin\relax}
6133 \def\poem@lineend{\nobreak\hskip\poemmargin\hskip\@flushglue\vadjust{}}
6134 \def\poem@lineversesep{%
6135   \nobreak
6136   \hskip\z@ plus 1filll%
6137   \penalty600%
6138   \hskip\poemcolsepskip
6139   \hskip\z@ plus -2filll%
6140   \vadjust{}}%
6141   \nobreak
6142   \hskip\z@ plus 1filll%
6143 }
6144 \def\poem@lineparsebegin{%
6145   \halign\bgroup
6146   \global\setbox\verse@i=\hbox{%
6147     \let\@footnotetext\bidipoem@p@ftntext%
6148     \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6149     \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6150     \let\@xfootnotenext\bidipoem@p@xftntext%
6151     \let\@xfootnote\bidipoem@p@xfootnote%
6152     \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6153     \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6154     \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6155     \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6156     \ignorespaces##\unskip}&&
6157   \global\setbox\verse@ii=\hbox{%
6158     \let\@footnotetext\bidipoem@p@ftntext%
6159     \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6160     \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6161     \let\@xfootnotenext\bidipoem@p@xftntext%
6162     \let\@xfootnote\bidipoem@p@xfootnote%

```



```

6163 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6164 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6165 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6166 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6167 \ignorespaces##\unskip}
6168 \cr
6169 }
6170 \def\poem@lineparseend{%
6171 \crcr\egroup
6172 \vskip-\baselineskip
6173 }
6174 \def\traditionalpoem@cr{%
6175 \cr\poem@line
6176 }
6177 \newbox\verse@i
6178 \newbox\verse@ii
6179 \newif\ifpoem@started
6180
6181 \def\poem@line{%
6182 \poem@lineparseend
6183 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
6184 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
6185 \ifpoem@started
6186 \ifdim\wd\verse@ii>\z@\else
6187 \nopagebreak[3]
6188 \fi
6189 \leavevmode
6190 \poem@linebegin
6191 \poem@verse\verse@i
6192 \ifdim\wd\verse@ii>\z@
6193 \poem@lineversesep
6194 \poem@verse\verse@ii
6195 \fi
6196 \poem@lineend
6197 % \nopagebreak
6198 \par
6199 \vskip\poemextrabaselineskip
6200 \fi
6201 \poem@lineparsebegin
6202 }
6203 \def\@traditionalpoem{%
6204 \stepcounter{poem@no}
6205 \ifnum\max@poem@no<\number\c@poem@no%
6206 \xdef\poem@width{\z@}%
6207 \else
6208 \xdef\poem@width{\poem@prop{poem@width}}%
6209 \fi
6210 \xdef\new@poem@width{\z@}%
6211 \global\versewidth=\poem@width
6212 \poemskip\par

```



```

6213 \begingroup
6214 \tabskip=\z@
6215 \parskip=\z@
6216 \parindent=\z@
6217 \parfillskip=\z@
6218 \rightskip=\z@
6219 \leftskip=\z@
6220 \widowpenalty=10000% No break between verses of the same line.
6221 \clubpenalty=10000% Same as above. Not really needed.
6222 \def\newblock{\hfil\poemblocksep\hfil\null}%
6223 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
6224 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
6225 \global\poem@startedfalse
6226 \csname poem@obeylines\endcsname
6227 \let\poem@obeylines\relax
6228 \poem@lineparsebegin
6229 }
6230 \def\@endtraditionalpoem{%
6231 \cr
6232 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
6233 \noalign{%
6234 \skip0=\poemextrabaselineskip
6235 \vskip-\skip0
6236 \vskip-\baselineskip
6237 }%
6238 \fi\fi
6239 \poem@lineparseend
6240 \endgroup
6241 \par
6242 \vskip\baselineskip
6243 \poemskip
6244 \ifdim\new@poem@width<\poem@width
6245 \global\let\poem@needrun\relax
6246 \fi
6247 \poem@write@aux{\poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
6248 \ifx\AtEndDocument\undefined\poem@finish\fi
6249 \@endparenv
6250 }
6251
6252
6253 \long\def\bidipoem@p@ftntext#1{%
6254 \edef\@temp{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
6255 \global\bidipoem@p@ftn\expandafter{\@temp{#1}}}%
6256 \long\def\bidipoem@p@LTRftntext#1{%
6257 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
6258 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6259 \long\def\bidipoem@p@RTLftntext#1{%
6260 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
6261 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
6262

```



```

6263 \long\def\bidipoem@p@xftntext[#1]#2{%
6264   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}
6265
6266 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
6267   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}
6268
6269 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6270   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}
6271
6272 \def\bidipoem@p@xfootnote[#1]{%
6273   \begingroup
6274     \csname c@\@mpfn\endcsname #1\relax
6275     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6276   \endgroup
6277   \@footnotemark\bidipoem@p@xftntext[#1]}
6278
6279 \def\bidipoem@p@xLTRfootnote[#1]{%
6280   \begingroup
6281     \csname c@\@mpfn\endcsname #1\relax
6282     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6283   \endgroup
6284   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6285
6286 \def\bidipoem@p@xRTLfootnote[#1]{%
6287   \begingroup
6288     \csname c@\@mpfn\endcsname #1\relax
6289     \unrestored@protected@xdef\@thefnmark{\thempfn}%
6290   \endgroup
6291   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6292
6293
6294
6295 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6296 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl.
6297 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6298 \def\poem@finish{%
6299 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6300 \ifx\poem@needrun\relax
6301 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
6302 \global\let\poem@needrun\undefined
6303 \fi
6304 }
6305 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6306 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6307 \ifx\max@poem@no\undefined
6308   \def\max@poem@no{0}%
6309 \fi
6310 \newcommand{\poem@prop}[1]{\@nameuse{#1}\romannumeral\c@poem@no}}
6311 \newcommand{\poem@write@aux}[2]{%
6312   \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%

```



```

6313         \@x
6314 }
6315 \def\@modernpoem{%
6316 \par
6317 \begingroup
6318 \parskip=\z@
6319 \parindent=\z@
6320 \def\[{ \@settab\@tabplus\ignorespaces}%
6321 \def\]\{ \@tabminus\ignorespaces}%
6322 \def\newblock{\poemblocksep}%
6323 \let\newpoem@tabcr\@tabcr
6324 \def\modernpoem@par{% Redefine \par for possible \obeylines
6325 \ifpoem@started\else
6326 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6327 \@stopfield
6328 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6329 \@contfield
6330 \fi
6331 \fi
6332 \ifpoem@started\newpoem@tabcr\fi}%
6333 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6334 \global\poem@startedfalse
6335 \csname poem@obeylines\endcsname
6336 \let\poem@obeylines\relax
6337 \begin{tabbing}%
6338 }
6339 \def\@endmodernpoem{%
6340 \global\poem@startedfalse
6341 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6342 \@stopfield
6343 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6344 \@contfield
6345 \fi
6346 \ifpoem@started\else\let\@stopline\@stopfield\fi
6347 \end{tabbing}%
6348 \endgroup
6349 \par
6350 \if@nparlist \else
6351 \ifdim\lastskip >\z@
6352 \@tempkipa\lastskip \vskip -\lastskip
6353 \advance\@tempkipa\parskip \advance\@tempkipa -\outerparskip
6354 \vskip\@tempkipa
6355 \fi
6356 \@endparenv
6357 \fi
6358 }
6359 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6360 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@par}
6361 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6362 \gdef\@startfield{%

```



```

6363 \global\setbox\@curfield\hbox\bgroup%
6364 \let\@footnotetext\bidipoem@p@ftntext%
6365 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6366 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6367 \let\@xfootnotenext\bidipoem@p@xftntext%
6368 \let\@xfootnote\bidipoem@p@xfootnote%
6369 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6370 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6371 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6372 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6373 \color@begingroup}
6374 \gdef\@stopfield{%
6375   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6376 \gdef\@contfield{%
6377 \global\setbox\@curfield\hbox\bgroup%
6378 \let\@footnotetext\bidipoem@p@ftntext%
6379 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6380 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6381 \let\@xfootnotenext\bidipoem@p@xftntext%
6382 \let\@xfootnote\bidipoem@p@xfootnote%
6383 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6384 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6385 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6386 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6387 \color@begingroup\unhbox\@curfield}

```

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

```

6388 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6389 \renewenvironment{theindex}{%
6390   \if@twocolumn
6391     \@restonecolfalse
6392   \else
6393     \@restonecoltrue
6394   \fi
6395   \columnseprule \z@
6396   \columnsep 35\p@
6397   \twocolumn[\@makeschapterhead{\indexname}]%
6398   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6399   \thispagestyle{plain}\parindent\z@
6400   \parskip\z@ \@plus .3\p@\relax
6401   \let\item\@idxitem
6402 }{%
6403   \if@restonecol\onecolumn\else\clearpage\fi}
6404 \renewcommand*{head@style}{%
6405   \interlinepenalty \@M
6406   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6407   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6408 \renewcommand*{\@regtocline[3]}{%
6409   \ifnum #1>\c@tocdepth

```



```

6410 \else
6411   \vskip\z@\@plus.2\p@
6412   {\hangindent\z@ \@afterindenttrue \interlinepenalty\M
6413    \if@RTL\righskip\else\leftskip\fi\unitindent
6414    \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
6415    \parfillskip\z@
6416    \@tempdima\unitindent
6417    \parindent\z@
6418    \leavevmode
6419    \hbox{\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
6420     \hskip 1em \nobreak{\slshape #3}\par
6421    }%
6422 \fi}
6423 \if@oldtoc
6424 \renewcommand*\l@part[2]{%
6425 \ifnum \c@tocdepth >-2\relax
6426   \addpenalty{-\@highpenalty}%
6427   \addvspace{2.25em \@plus\p@}%
6428   \begingroup
6429     \setlength\@tempdima{3em}%
6430     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
6431     \parfillskip -\@pnumwidth
6432     {\leavevmode
6433      \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6434      \nobreak
6435      \global\@nobreaktrue
6436      \everypar{\global\@nobreakfalse\everypar{}}%
6437     \endgroup
6438 \fi}
6439 \else
6440 \renewcommand*\l@part{%
6441 \ifnum \c@tocdepth >-2\relax
6442   \addpenalty{-\@highpenalty}%
6443   \addvspace{2.25em \@plus \p@}%
6444   \@regtocline{0}%
6445 \fi}
6446 \fi
6447 \if@oldtoc
6448 \renewcommand*\l@chapter[2]{%
6449   \addpenalty{-\@highpenalty}%
6450   \vskip 1.0em \@plus\p@
6451   \setlength\@tempdima{1.5em}%
6452   \begingroup
6453     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
6454     \parfillskip -\@pnumwidth
6455     \leavevmode \bfseries
6456     \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
6457     \hskip -\if@RTL\righskip\else\leftskip\fi
6458     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6459     \penalty\@highpenalty

```



```

6460 \endgroup}
6461 \else
6462 \renewcommand*\l@chapter{\@regtocline{0}}
6463 \fi
6464 \renewenvironment{abstract}{%
6465     \titlepage
6466     \null\vfil
6467     \section*\SectFont \abstractname}
6468     \noindent\ignorespaces}
6469     {\par\vfil\null\endtitlepage}
6470 \renewenvironment{thebibliography}[1]
6471     {\chapter*\bibname}%
6472     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6473     \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
6474     \bidi@thebibliography@font@hook%
6475     \list{\@biblabel{\@arabic\c@enumiv}}%
6476         {\settowidth\labelwidth{\@biblabel{#1}}%
6477         \leftmargin\labelwidth
6478         \advance\leftmargin\labelsep
6479         \@openbib@code
6480         \usecounter{enumiv}%
6481         \let\p@enumiv\@empty
6482         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6483     \sloppy\clubpenalty4000\widowpenalty4000%
6484     \sfcode`..\@m}
6485     {\def\@noitemerr
6486         {\@latex@warning{Empty `thebibliography' environment}}%
6487     \endlist}
6488 \renewcommand*\left@footnoterule{%
6489     \kern-3\p@
6490     \kern.5\baselineskip
6491     \hrule\@width\unitindent
6492     \kern.4\baselineskip
6493 }
6494 \renewcommand*\right@footnoterule{%
6495     \kern-3\p@
6496     \kern.5\baselineskip
6497     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6498     \kern.4\baselineskip}
6499 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6500 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
6501 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
6502 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
6503 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
6504 \renewcommand*\theequation{%
6505     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6506 \renewcommand*\thefigure{%
6507     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6508 \renewcommand*\thetable{%
6509     \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}

```





```

6510 \renewcommand*\maketitle{%
6511   \begin{titlepage}%
6512     \let\footnotesize\small
6513     \let\right@footnoterule\relax
6514     \let\left@footnoterule\relax
6515     \let\textwidth@footnoterule\relax
6516     \let \footnote \thanks
6517     \long\def\@makefntext##1{\parindent\z@
6518       \def\labelitemi{\textendash}\@revlabeltrue
6519       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6520   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6521   \if@compatibility\setcounter{page}{0}\fi
6522   \null\vfil
6523   \vskip 60\p@
6524   \begin{center}%
6525     \TitleFont
6526     {\LARGE \def\{\penalty -\@M}
6527       \if@allcaps
6528         \expandafter\uc@nothanks\@title\thanks\relax
6529       \else
6530         \@title
6531       \fi\par}%
6532   \vskip 3em%
6533   {\large
6534     \lineskip .75em \parindent\z@
6535     \begin{tabular}[t]{c}%
6536       \if@allcaps
6537         \expandafter\uc@authornothanks\@author\and\relax
6538       \else
6539         \@author
6540       \fi
6541     \end{tabular}\par}%
6542   \vskip 1.5em%
6543   {\large
6544     \if@allcaps
6545       \uppercase\expandafter{\@date}%
6546     \else
6547       \@date
6548     \fi\par}%
6549   \end{center}\par
6550   \@thanks
6551   \vfil\null
6552 \end{titlepage}%
6553 \setcounter{footnote}{0}%
6554 \global\let\thanks\relax
6555 \global\let\maketitle\relax
6556 \global\let\@thanks\@empty
6557 \global\let\@author\@empty
6558 \global\let\@title\@empty
6559 \global\let\@date\@empty

```



```

6560 \global\let\title\relax
6561 \global\let\author\relax
6562 \global\let\date\relax
6563 \global\let\and\relax
6564 }

```

## 32 File boek-xetex-bidi.def

```

6565 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX
6566 \renewenvironment{theindex}{%
6567 \if@twocolumn
6568 \@restonecolfalse
6569 \else
6570 \@restonecoltrue
6571 \fi
6572 \columnseprule \z@
6573 \columnsep 35\p@
6574 \twocolumn[\@makeschapterhead{\indexname}]%
6575 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
6576 \thispagestyle{plain}\parindent\z@
6577 \parskip\z@ \@plus .3\p@\relax
6578 \let\item\@idxitem
6579 }{%
6580 \if@restonecol\onecolumn\else\clearpage\fi}
6581 \renewcommand*{head@style}{%
6582 \interlinepenalty \@M
6583 \hyphenpenalty=\@M \exhyphenpenalty=\@M
6584 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6585 \renewcommand*{\@regtocline}[3]{%
6586 \ifnum #1>\c@tocdepth
6587 \else
6588 \vskip\z@ \@plus.2\p@
6589 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6590 \if@RTL\rightskip\else\leftskip\fi\unitindent
6591 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
6592 \parfillskip\z@
6593 \@tempdima\unitindent
6594 \parindent\z@
6595 \leavevmode
6596 \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6597 \hskip 1em \nobreak{\slshape #3}\par
6598 }%
6599 \fi}
6600 \if@oldtoc
6601 \renewcommand*{\l@part}[2]{%
6602 \ifnum \c@tocdepth >-2\relax
6603 \addpenalty{-\@highpenalty}%
6604 \addvspace{2.25em \@plus\p@}%
6605 \begingroup
6606 \setlength{\tempdima}{3em}%

```



```

6607     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6608     \parfillskip -\@pnumwidth
6609     {\leavevmode
6610      \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6611      \nobreak
6612      \global\@nobreaktrue
6613      \everypar{\global\@nobreakfalse\everypar{}}%
6614     \endgroup
6615     \fi}
6616 \else
6617   \renewcommand*\l@part{%
6618     \ifnum \c@tocdepth >-2\relax
6619     \addpenalty{-\@highpenalty}%
6620     \advspace{2.25em \@plus \p@}%
6621     \@regtocline{0}%
6622     \fi}
6623 \fi
6624 \if@oldtoc
6625 \renewcommand*\l@chapter[2]{%
6626   \addpenalty{-\@highpenalty}%
6627   \vskip 1.0em \@plus \p@
6628   \setlength\@tempdima{1.5em}%
6629   \begingroup
6630     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6631     \parfillskip -\@pnumwidth
6632     \leavevmode \bfseries
6633     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6634     \hskip -\if@RTL\rightskip\else\leftskip\fi
6635     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6636     \penalty\@highpenalty
6637   \endgroup}
6638 \else
6639   \renewcommand*\l@chapter{\@regtocline{0}}
6640 \fi
6641 \renewcommand*\left@footnoterule{%
6642   \kern-3\p@
6643   \kern.5\baselineskip
6644   \hrule\@width\unitindent
6645   \kern.4\baselineskip
6646 }
6647 \renewcommand*\right@footnoterule{%
6648   \kern-3\p@
6649   \kern.5\baselineskip
6650   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6651   \kern.4\baselineskip}
6652 \renewenvironment{abstract}{%
6653   \titlepage
6654   \null\vfil
6655   \section*{\SectFont \abstractname}
6656   \noindent\ignorespaces}

```



```

6657     {\par\vfil\null\endtitlepage}
6658 \renewenvironment{thebibliography}[1]
6659     {\chapter*{\bibname}%
6660      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6661      \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
6662      \bidi@thebibliography@font@hook%
6663      \list{\@biblabel{\@arabic\c@enumiv}}%
6664          {\settowidth\labelwidth{\@biblabel{#1}}%
6665           \leftmargin\labelwidth
6666           \advance\leftmargin\labelsep
6667           \@openbib@code
6668           \usecounter{enumiv}%
6669           \let\p@enumiv\@empty
6670           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6671      \sloppy\clubpenalty4000\widowpenalty4000%
6672      \sfcode`..\@m}
6673     {\def\@noitemerr
6674      {\@latex@warning{Empty `thebibliography' environment}}%
6675      \endlist}
6676 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6677 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6678 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6679 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6680 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6681 \renewcommand*\theequation{%
6682   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6683 \renewcommand*\thefigure{%
6684   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6685 \renewcommand*\thetable{%
6686   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6687 \renewcommand*\maketitle{%
6688   \begin{titlepage}%
6689     \let\footnotesize\small
6690     \let\right@footnoterule\relax
6691     \let\left@footnoterule\relax
6692     \let\textwidth@footnoterule\relax
6693     \let \footnote \thanks
6694     \long\def\@makefnmark##1{\parindent\z@
6695       \def\labelitemi{\textendash}\@revlabeltrue
6696       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6697     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6698     \if@compatibility\setcounter{page}{0}\fi
6699     \null\vfil
6700     \vskip 60\p@
6701     \begin{center}%
6702       \TitleFont
6703       {\LARGE \def\\{\penalty -\@M}
6704        \if@allcaps
6705          \expandafter\c@nothanks\@title\thanks\relax
6706          \else

```



```

6707         \@title
6708         \fi\par}%
6709     \vskip 3em%
6710     {\large
6711         \lineskip .75em \parindent\z@
6712         \begin{tabular}[t]{c}%
6713             \if@allcaps
6714                 \expandafter\uc@authornothanks\@author\and\relax
6715             \else
6716                 \@author
6717             \fi
6718         \end{tabular}\par}%
6719     \vskip 1.5em%
6720     {\large
6721         \if@allcaps
6722             \uppercase\expandafter{\@date}%
6723         \else
6724             \@date
6725         \fi\par}%
6726     \end{center}\par
6727     \@thanks
6728     \vfil\null
6729 \end{titlepage}%
6730 \setcounter{footnote}{0}%
6731 \global\let\thanks\relax
6732 \global\let\maketitle\relax
6733 \global\let\@thanks\@empty
6734 \global\let\@author\@empty
6735 \global\let\@title\@empty
6736 \global\let\@date\@empty
6737 \global\let\title\relax
6738 \global\let\author\relax
6739 \global\let\date\relax
6740 \global\let\and\relax
6741 }

```

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

```

6742 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6743 \def\@makechapterhead#1{%
6744     \vspace*{20\p@}
6745     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6746         \ifnum \c@secnumdepth >\m@ne
6747             \if@mainmatter
6748                 {\colorA\huge\scshape \@chapapp\space \thechapter}
6749                 \par\nobreak
6750                 \vskip 10\p@
6751             \fi
6752         \fi
6753         \interlinepenalty\@M

```



```

6754 {\colorB\hrule}
6755 \vskip 15\p@
6756 \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6757   {\colorA\Huge \bfseries #1}\par\nobreak
6758 \if@RTL\end{flushleft}\else\end{flushright}\fi
6759 \vskip 5\p@
6760 {\colorB\hrule}
6761 \vskip 30\p@
6762 }}
6763 \def\@makeschapterhead#1{%
6764   \vspace*{20\p@}
6765   {\parindent \z@ \raggedright \normalfont
6766   {\colorB\hrule}
6767   \vskip 15\p@
6768   \begin{center}
6769     {\colorA\Huge \bfseries #1}\par\nobreak
6770   \end{center}
6771   \vskip 5\p@
6772   {\colorB\hrule}
6773   \vskip 30\p@
6774   }}

```

## 34 File book-xetex-bidi.def

```

6775 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6776 \renewenvironment{theindex}
6777   {\if@twocolumn
6778     \@restonecolfalse
6779   \else
6780     \@restonecoltrue
6781   \fi
6782   \columnseprule \z@
6783   \columnsep 35\p@
6784   \twocolumn[\@makeschapterhead{\indexname}]%
6785   \@mkboth{\MakeUppercase\indexname}%
6786             {\MakeUppercase\indexname}%
6787   \thispagestyle{plain}\parindent\z@
6788   \parskip\z@ \@plus .3\p@\relax
6789   \let\item\@idxitem}
6790   {\if@restonecol\onecolumn\else\clearpage\fi}
6791 \@ifclassloaded{bookest}{-}{%
6792 \if@titlepage
6793 \renewcommand\maketitle{\begin{titlepage}%
6794 \let\footnotesize\small
6795 \let\right@footnoterule\relax
6796 \let\left@footnoterule\relax
6797 \let\textwidth@footnoterule\relax
6798 \let \footnote \thanks
6799 \let \LTRfootnote \LTRthanks
6800 \let \RTLfootnote \RTLthanks

```



```

6801 \null\vfil
6802 \vskip 60\p@
6803 \begin{center}%
6804   {\LARGE \@title \par}%
6805   \vskip 3em%
6806   {\large
6807     \lineskip .75em%
6808     \begin{tabular}[t]{c}%
6809       \@author
6810     \end{tabular}\par}%
6811   \vskip 1.5em%
6812   {\large \@date \par}%           % Set date in \large size.
6813 \end{center}\par
6814 \@thanks
6815 \vfil\null
6816 \end{titlepage}%
6817 \setcounter{footnote}{0}%
6818 \global\let\thanks\relax
6819 \global\let\LTRthanks\relax
6820 \global\let\RTLthanks\relax
6821 \global\let\maketitle\relax
6822 \global\let\@thanks\@empty
6823 \global\let\@author\@empty
6824 \global\let\@date\@empty
6825 \global\let\@title\@empty
6826 \global\let\title\relax
6827 \global\let\author\relax
6828 \global\let\date\relax
6829 \global\let\and\relax
6830 }
6831 \else
6832 \renewcommand\maketitle{\par
6833   \begingroup
6834     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6835     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6836     \long\def\@makefnmark##1{\parindent 1em\noindent
6837       \hb@xt@1.8em{\%
6838         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6839     \if@twocolumn
6840       \ifnum \col@number=\@ne
6841         \@maketitle
6842       \else
6843         \twocolumn[\@maketitle]%
6844       \fi
6845     \else
6846       \newpage
6847       \global\@topnum\z@   % Prevents figures from going at top of page.
6848       \@maketitle
6849     \fi
6850     \thispagestyle{plain}\@thanks

```



```

6851 \endgroup
6852 \setcounter{footnote}{0}%
6853 \global\let\thanks\relax
6854 \global\let\LTRthanks\relax
6855 \global\let\RTLthanks\relax
6856 \global\let\maketitle\relax
6857 \global\let\@maketitle\relax
6858 \global\let\@thanks\@empty
6859 \global\let\@author\@empty
6860 \global\let\@date\@empty
6861 \global\let\@title\@empty
6862 \global\let\title\relax
6863 \global\let\author\relax
6864 \global\let\date\relax
6865 \global\let\and\relax
6866 }
6867 \def\@maketitle{%
6868 \newpage
6869 \null
6870 \vskip 2em%
6871 \begin{center}%
6872 \let \footnote \thanks
6873 \let \LTRfootnote \LTRthanks
6874 \let \RTLfootnote \RTLthanks
6875 {\LARGE \@title \par}%
6876 \vskip 1.5em%
6877 {\large
6878 \lineskip .5em%
6879 \begin{tabular}[t]{c}%
6880 \@author
6881 \end{tabular}\par}%
6882 \vskip 1em%
6883 {\large \@date}%
6884 \end{center}%
6885 \par
6886 \vskip 1.5em}
6887 \fi}
6888 \renewcommand*\l@part[2]{%
6889 \ifnum \c@tocdepth >-2\relax
6890 \addpenalty{-\@highpenalty}%
6891 \addvspace{2.25em \@plus\p@}%
6892 \setlength\@tempdima{3em}%
6893 \begingroup
6894 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6895 \parfillskip -\@pnumwidth
6896 {\leavevmode
6897 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6898 \nobreak
6899 \global\@nobreaktrue
6900 \everypar{\global\@nobreakfalse\everypar{}}%

```





```

6901   \endgroup
6902 \fi}
6903 \renewcommand*\l@chapter[2]{%
6904 \ifnum \c@tocdepth >\m@ne
6905   \addpenalty{-\@highpenalty}%
6906   \vskip 1.0em \@plus\p@
6907   \setlength\@tempdima{1.5em}%
6908   \begingroup
6909     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6910     \parfillskip -\@pnumwidth
6911     \leavevmode \bfseries
6912     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6913     \hskip -\if@RTL\rightskip\else\leftskip\fi
6914     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6915     \penalty\@highpenalty
6916   \endgroup
6917 \fi}
6918 \renewcommand\left@footnoterule{%
6919 \kern-3\p@
6920 \hrule\@width.4\columnwidth
6921 \kern2.6\p@}
6922 \renewcommand\right@footnoterule{%
6923 \kern-3\p@
6924 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6925 \kern2.6\p@}
6926 \renewcommand\theequation
6927 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6928 \renewcommand \thefigure
6929   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6930 \renewcommand \thetable
6931   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6932 \renewcommand \thechapter {\@arabic\c@chapter}
6933 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6934 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6935 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6936 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6937 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6938 \def\@makechapterhead#1{%
6939 \vspace*{50\p@}%
6940 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6941   \ifnum \c@secnumdepth >\m@ne
6942     \if@mainmatter
6943       \huge\bfseries \@chapapp\space \thechapter
6944       \par\nobreak
6945       \vskip 20\p@
6946     \fi
6947   \fi
6948   \interlinepenalty\@M
6949   \Huge \bfseries #1\par\nobreak
6950   \vskip 40\p@

```



```

6951 }}
6952 \def\@makeschapterhead#1{%
6953   \vspace*{50\p@}%
6954   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6955     \normalfont
6956     \interlinepenalty\@M
6957     \Huge \bfseries #1\par\nobreak
6958     \vskip 40\p@
6959   }}
6960 \renewcommand\backmatter{%
6961   \if@openright
6962     \cleardoublepage
6963   \else
6964     \clearpage
6965   \fi
6966   \@mainmatterfalse}
6967 \renewenvironment{thebibliography}[1]
6968   {\chapter*{\bibname}%
6969    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6970    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6971    \bidi@@thebibliography@font@hook%
6972    \list{\@biblabel{\@arabic\c@enumiv}}%
6973      {\settowidth\labelwidth{\@biblabel{#1}}%
6974       \leftmargin\labelwidth
6975       \advance\leftmargin\labelsep
6976       \openbib@code
6977       \usecounter{enumiv}%
6978       \let\p@enumiv\@empty
6979       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6980    \sloppy
6981    \clubpenalty4000
6982    \@clubpenalty \clubpenalty
6983    \widowpenalty4000%
6984    \sfcode`\.\@m}
6985   {\def\@noitemerr
6986    {\@latex@warning{Empty `thebibliography' environment}}%
6987    \endlist}

```

## 35 File breqn-xetex-bidi.def

```

6988 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for Xe
6989 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6990 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6991 \if@noskipsec \leavevmode \fi
6992 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6993 \if\eq@group\else\eq@prelim\fi
6994 \setkeys{breqn}{#1}%
6995 \the\eqstyle
6996 \eq@setnumber
6997 \beginngroup

```



```

6998 \eq@setup@a
6999 \eq@startup
7000 }
7001 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
7002 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
7003 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
7004 \global\let\GRP@label\@empty
7005 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
7006 \global\grp@linewidth\z@\global\grp@wdNum\z@
7007 \global\let\grp@eqs@numbered\@False
7008 \global\let\grp@aligned\@True
7009 \global\let\grp@shiftnumber\@False
7010 \eq@prelim
7011 \setkeys{breqn}{#1}%
7012 \if\grp@hasNumber \grp@setnumber \fi
7013 }
7014 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
7015 \let\display@setup\dseries@display@setup
7016 % Question: should this be the default for dseries???
7017 \global\eq@wdCond\z@
7018 \@dmath[layout={M},#1]%
7019 \mathsurround\z@\@math \penalty\@Mi
7020 \let\endmath\ends@math
7021 \def\premath{%
7022 \ifdim\lastskip<.3em \unskip
7023 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
7024 }%
7025 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
7026 \ignorespaces
7027 }
7028 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
7029 \renewenvironment{dsuspend}{%
7030 \global\setbox\EQ@box\vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
7031 \parshape 1 \displayindent \displaywidth\relax
7032 \hsize=\columnwidth \noindent\ignorespaces
7033 }{%
7034 \par\egroup
7035 \global\setbox\GRP@box\vbox{%
7036 \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
7037 \unvbox\GRP@box
7038 }%
7039 \global\GRP@queue\@xp{\the\GRP@queue
7040 \elt{\let\eq@isIntertext\@True}}%
7041 }%
7042 }

```

## 36 File calcs-xetex-bidi.def

```

7043 \ProvidesFile{calcs-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for calcs package for XeTeX]
7044 \renewcommand\calcs@setup@alignment[1]{%

```



```

7045 \if c#1\relax \cals@vfillAdd \leftskip \cals@vfillAdd \rightskip \fi
7046 \if l#1\relax \cals@vfillDrop\leftskip \cals@vfillDrop\rightskip \fi
7047 \if r#1\relax \cals@vfillAdd \leftskip \cals@vfillDrop\rightskip \fi
7048 }
7049 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
7050 \renewenvironment{calstable}[1][\cals@table@alignment]{%
7051 \if@RTLtab\cals@activate@rtl\fi
7052 \let\cals@thead@tokens=\relax
7053 \let\cals@tfoot@tokens=\relax
7054 \let\cals@tbody@tokens=\relax
7055 \cals@tfoot@height=Opt \relax
7056 \let\cals@last@context=n%
7057 \let\cals@current@context=b%
7058 \parindent=Opt \relax%
7059 \cals@setup@alignment{#1}%
7060 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
7061 %% Alignment inside is independent on center/flushright outside
7062 \parfillskip=Opt plus1fil\relax
7063 \let\cals@borderL=\relax
7064 \let\cals@borderR=\relax
7065 \let\cals@borderT=\relax
7066 \let\cals@borderB=\relax
7067 \setbox\cals@backup@row=\box\voidb@x\relax
7068 \cals@AtBeginTable
7069 }{% End of the table
7070 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
7071 \renewcommand\alignL{%
7072 \if@RTLtab
7073 \cals@vfillAdd\cals@paddingL
7074 \else
7075 \cals@vfillDrop\cals@paddingL
7076 \fi
7077 \cals@vfillDrop\cals@paddingR}
7078 \renewcommand\alignR{%
7079 \if@RTLtab
7080 \cals@vfillDrop\cals@paddingL
7081 \else
7082 \cals@vfillAdd\cals@paddingL
7083 \fi
7084 \cals@vfillDrop\cals@paddingR}

```

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

```

7085 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for
7086 \let\@makecaption\caption@makecaption

```

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

```

7087 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
7088 \renewcommand*\caption@par{%

```



```
7089 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%
```

## 39 File colortbl-xetex-bidi.def

```
7090 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package]
7091 \def\CT@setup{%
7092   \@tempdimb\col@sep
7093   \@tempdimc\col@sep
7094   \def\CT@color{%
7095     \global\let\CT@do@color\CT@@do@color
7096     \bidicolor}}
7097 \def\@classz{\@classx
7098   \@tempcnta \count@
7099   \prepnext@tok
7100 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
7101 \@addtopreamble{\if@RTLtab\beginL\fi%
7102   \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
7103     \ifcase \@chnum
7104       \hskip\stretch{.5}\kern\z@
7105       \d@llarbegin
7106       \insert@column
7107       \d@llarend\hskip\stretch{.5}\or
7108       \d@llarbegin \insert@column \d@llarend \hfill \or
7109       \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
7110     $\vcenter
7111     \@startpbox{\@nextchar}\insert@column \@endpbox $\or
7112     \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
7113     \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
7114   \fi
7115   \if@RTLtab\endR\fi\egroup\egroup
7116 \begingroup
7117 \CT@setup
7118 \CT@column@color
7119 \CT@row@color
7120 \CT@cell@color
7121 \CT@do@color
7122 \endgroup
7123   \@tempdima\ht\z@
7124   \advance\@tempdima\minrowclearance
7125   \vrule\@height\@tempdima\@width\z@
7126   \unhbox\z@\if@RTLtab\endL\fi}%
7127 \prepnext@tok}
```

## 40 File color-xetex-bidi.def

```
7128 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for Xe
7129 \long\def\color@b@x#1#2#3{%
7130   \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
7131   \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
7132   \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
```



```

7133 \dimen@dp\z@advance\dimen@fboxsep\dp\z@dimen@
7134 {#1{#2\color@block{wd\z@}{ht\z@}{dp\z@}%
7135     \box\z@}\ifhmode\else\ifRTL\endL\fi\fi}
7136 \def\normalcolor{\let\current@color\default@color\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi}
7137 \DeclareRobustCommand\color{%
7138     \ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}
7139 \def\@declaredcolor#1{%
7140     \ifundefined{string\color @#1}%
7141         {\c@lor@error{`#1'}}%
7142         {\expandafter\let\expandafter\current@color
7143             \csname\string\color @#1\endcsname
7144             \set@color}%
7145     \ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7146 \def\@undeclaredcolor[#1]#2{%
7147     \ifundefined{color@#1}%
7148         {\c@lor@error{model `#1'}}%
7149         {\csname color@#1\endcsname\current@color{#2}%
7150             \set@color}%
7151     \ifhmode\ifRTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
7152 \DeclareRobustCommand\bidicolor{%
7153     \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
7154 \def\@bidiundeclaredcolor[#1]#2{%
7155     \ifundefined{color@#1}%
7156         {\c@lor@error{model `#1'}}%
7157         {\csname color@#1\endcsname\current@color{#2}%
7158             \set@color}%
7159     \ignorespaces}
7160 \def\@bidideclaredcolor#1{%
7161     \ifundefined{string\color @#1}%
7162         {\c@lor@error{`#1'}}%
7163         {\expandafter\let\expandafter\current@color
7164             \csname\string\color @#1\endcsname
7165             \set@color}%
7166     \ignorespaces}
7167 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
7168 \def\color@fbox#1#2#3{%
7169     \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
7170 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

## 41 File combine-xetex-bidi.def

```

7171 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for ]
7172 \renewcommand{\c@ll@chapsecii}[2]{%
7173     \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
7174     \ifRTL\hskip -\rightskip\else\hskip -\leftskip\fi
7175     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
7176 }
7177 \renewcommand{\c@ll@chapseci}{%
7178     \setlength\@tempdima{0em}%
7179     \begingroup

```



```

7180 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
7181 \parfillskip -\@pnumwidth
7182 \leavevmode
7183 }
7184 \renewenvironment{tocindent}[1]{%
7185 \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{}

```

## 42 File crop-xetex-bidi.def

```

7186 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
7187 \renewcommand*\CROP@ulc{%
7188 \if@RTLmain%
7189 \begin{picture}(0,0)
7190 \unitlength\p@\thinlines
7191 \put(-40,0){\circle{10}}
7192 \put(-30,-5){\line(0,1){10}}
7193 \put(-35,0){\line(1,0){30}}
7194 \put(-10,30){\circle{10}}
7195 \put(-5,30){\line(1,0){10}}
7196 \put(0,35){\line(0,-1){30}}
7197 \end{picture}%
7198 \else%
7199 \begin{picture}(0,0)
7200 \unitlength\p@\thinlines
7201 \put(-30,0){\circle{10}}
7202 \put(-30,-5){\line(0,1){10}}
7203 \put(-35,0){\line(1,0){30}}
7204 \put(0,30){\circle{10}}
7205 \put(-5,30){\line(1,0){10}}
7206 \put(0,35){\line(0,-1){30}}
7207 \end{picture}%
7208 \fi%
7209 }
7210 \renewcommand*\CROP@urc{%
7211 \if@RTLmain%
7212 \begin{picture}(0,0)
7213 \unitlength\p@\thinlines
7214 \put(20,0){\circle{10}}
7215 \put(30,-5){\line(0,1){10}}
7216 \put(35,0){\line(-1,0){30}}
7217 \put(-10,30){\circle{10}}
7218 \put(-5,30){\line(1,0){10}}
7219 \put(0,35){\line(0,-1){30}}
7220 \end{picture}%
7221 \else%
7222 \begin{picture}(0,0)
7223 \unitlength\p@\thinlines
7224 \put(30,0){\circle{10}}
7225 \put(30,-5){\line(0,1){10}}
7226 \put(35,0){\line(-1,0){30}}

```



```

7227         \put(0,30){\circle{10}}
7228         \put(-5,30){\line(1,0){10}}
7229         \put(0,35){\line(0,-1){30}}
7230     \end{picture}%
7231     \fi%
7232 }
7233 \renewcommand*\CROP@llc{%
7234     \if@RTLmain%
7235         \begin{picture}(0,0)
7236             \unitlength\p@thinlines
7237             \put(-40,0){\circle{10}}
7238             \put(-30,-5){\line(0,1){10}}
7239             \put(-35,0){\line(1,0){30}}
7240             \put(-10,-30){\circle{10}}
7241             \put(-5,-30){\line(1,0){10}}
7242             \put(0,-35){\line(0,1){30}}
7243         \end{picture}%
7244     \else%
7245         \begin{picture}(0,0)
7246             \unitlength\p@thinlines
7247             \put(-30,0){\circle{10}}
7248             \put(-30,-5){\line(0,1){10}}
7249             \put(-35,0){\line(1,0){30}}
7250             \put(0,-30){\circle{10}}
7251             \put(-5,-30){\line(1,0){10}}
7252             \put(0,-35){\line(0,1){30}}
7253         \end{picture}%
7254     \fi%
7255 }
7256 \renewcommand*\CROP@llrc{%
7257     \if@RTLmain%
7258         \begin{picture}(0,0)
7259             \unitlength\p@thinlines
7260             \put(20,0){\circle{10}}
7261             \put(30,-5){\line(0,1){10}}
7262             \put(35,0){\line(-1,0){30}}
7263             \put(-10,-30){\circle{10}}
7264             \put(-5,-30){\line(1,0){10}}
7265             \put(0,-35){\line(0,1){30}}
7266         \end{picture}%
7267     \else%
7268         \begin{picture}(0,0)
7269             \unitlength\p@thinlines
7270             \put(30,0){\circle{10}}
7271             \put(30,-5){\line(0,1){10}}
7272             \put(35,0){\line(-1,0){30}}
7273             \put(0,-30){\circle{10}}
7274             \put(-5,-30){\line(1,0){10}}
7275             \put(0,-35){\line(0,1){30}}
7276         \end{picture}%

```





```

7277   \fi%
7278 }
7279 \@ifpackagewith{crop}{cam}{%
7280 \CROP@execopt{cam}%
7281 }{}

```

### 43 File cutwin-xetex-bidi.def

```

7282 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for Xe
7283 \renewcommand*{\c@twcompctr}[2]{%
7284   \def\c@twfirst{1}
7285   \loop\advance\c@twwinlines\m@ne
7286   \setbox\c@twslicea=\vsplit#1 to\baselineskip
7287   \setbox\c@twliceb=\vsplit#1 to\baselineskip
7288   \c@twprune{\c@twslicea}{\c@twlftside}%
7289   \c@twprune{\c@twliceb}{\c@twrtside}%
7290   \ifnum\c@twfirst=\@ne
7291     \setbox#2=\vbox{\unvbox#2\hbox
7292       to\hsize{\if@RTL\box\c@twliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@tw
7293   \else
7294     \setbox#2=\vbox{\unvbox#2\hbox
7295       to\hsize{\if@RTL\box\c@twliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box
7296   \fi
7297   \def\c@twfirst{2}
7298   \ifnum\c@twwinlines>\z@\repeat}
7299 \renewcommand*{\c@twcompodctr}[2]{%
7300   \def\c@twrounds{1}
7301   \def\c@twfirst{1}
7302   \@for\c@twlspec:=\c@twb\do{%
7303     \ifnum\c@twrounds=1
7304       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7305       \c@twprune{\c@twslicea}{\c@twlspec}%
7306       \def\c@twrounds{2}
7307     \else
7308       \setbox\c@twliceb=\vsplit#1 to\baselineskip % second of pair
7309       \c@twprune{\c@twliceb}{\c@twlspec}%
7310       \ifnum\c@twfirst=1
7311         \setbox#2=\vbox{\unvbox#2\hbox
7312           to\hsize{\if@RTL\box\c@twliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box
7313         \def\c@twfirst{2}
7314       \else
7315         \setbox#2=\vbox{\unvbox#2\hbox
7316           to\hsize{\if@RTL\box\c@twliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else
7317       \fi
7318       \def\c@twrounds{1}
7319   \fi}}

```

### 44 File cuted-xetex-bidi.def

```

7320 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for Xe

```



```

7321
7322 \def\RTL@outputdblcol{%
7323   \if@firstcolumn
7324     \global\@firstcolumnfalse
7325     \global\setbox\@leftcolumn\copy\@outputbox
7326     \splitmaxdepth\maxdimen
7327     \vbadness\maxdimen
7328     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7329     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7330     \toks@\expandafter{\topmark}%
7331     \xdef\@firstcoltopmark{\the\toks@}%
7332     \toks@\expandafter{\splitfirstmark}%
7333     \xdef\@firstcolfirstmark{\the\toks@}%
7334     \ifx\@firstcolfirstmark\@empty
7335       \global\let\@setmarks\relax
7336     \else
7337       \gdef\@setmarks{%
7338         \let\firstmark\@firstcolfirstmark
7339         \let\topmark\@firstcoltopmark}%
7340     \fi
7341   \else
7342     \global\@firstcolumntrue
7343     \setbox\@outputbox\vbox{%
7344       \hb@xt@\textwidth{%
7345         \hskip \columnwidth
7346         \hfil
7347         {\normalcolor\vrule \@width\columnseprule}%
7348         \hfil
7349         \hb@xt@\columnwidth{%
7350           \bidi@firstcolumn@status@write%
7351           \box\@leftcolumn \hss}%
7352         \hskip -\textwidth
7353         \hb@xt@\columnwidth{%
7354           \bidi@lastcolumn@status@write%
7355           \box\@outputbox \hss}%
7356         \hskip \columnsep
7357         \hskip \columnwidth }}%
7358     \ifvoid\hold@viper
7359     \else
7360       \setbox\@outputbox \vbox to\textheight{%
7361         \box\hold@viper
7362         \box\@outputbox
7363         \vss
7364         }%
7365     \fi
7366   \@combinedblfloats
7367   \@setmarks
7368   \@outputpage
7369   \begingroup
7370   \@dblfloatplacement

```



```

7371     \@startdblcolumn
7372     \@whilesw\if@fcolmade \fi{\@outputpage
7373     \@startdblcolumn}%
7374     \ifvoid\@viper
7375     \else
7376         \global\setbox\@viper\vbox{%
7377             \vskip-\stripsep
7378             \unvbox\@viper
7379             }%
7380     \@viperoutput
7381     \fi
7382 \endgroup
7383 \fi}%
7384
7385 \def\LTR@outputdblcol{%
7386 \if@firstcolumn
7387     \global\@firstcolumnfalse
7388     \global\setbox\@leftcolumn\copy\@outputbox
7389     \splitmaxdepth\maxdimen
7390     \vbadness\maxdimen
7391     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7392     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7393     \toks@ \expandafter{\topmark}%
7394     \xdef\@firstcoltopmark{\the\toks@}%
7395     \toks@ \expandafter{\splitfirstmark}%
7396     \xdef\@firstcolfirstmark{\the\toks@}%
7397     \ifx\@firstcolfirstmark\@empty
7398         \global\let\@setmarks\relax
7399     \else
7400         \gdef\@setmarks{%
7401             \let\firstmark\@firstcolfirstmark
7402             \let\topmark\@firstcoltopmark}%
7403     \fi
7404 \else
7405     \global\@firstcolumntrue
7406     \setbox\@outputbox\vbox{%
7407         \hb@xt@\textwidth{%
7408             \hb@xt@\columnwidth{%
7409                 \bidi@firstcolumn@status@write%
7410                 \box\@leftcolumn \hss}%
7411             \hfil
7412             {\normalcolor\vrule \@width\columnseprule}%
7413             \hfil
7414             \hb@xt@\columnwidth{%
7415                 \bidi@lastcolumn@status@write%
7416                 \box\@outputbox \hss}}}%
7417     \ifvoid\hold@viper
7418     \else
7419         \setbox\@outputbox \vbox to\textheight{%
7420             \box\hold@viper

```



```

7421             \box\@outputbox
7422             \vss
7423             }%
7424     \fi
7425 \@@combinedblfloats
7426     \@setmarks
7427     \@outputpage
7428     \beginngroup
7429     \@dblfloatplacement
7430     \@startdblcolumn
7431     \@whiles\if@fcolmade \fi{\@outputpage
7432     \@startdblcolumn}%
7433     \ifvoid\@viper
7434     \else
7435         \global\setbox\@viper\ vbox{%
7436             \vskip-\stripsep
7437             \unvbox\@viper
7438             }%
7439     \@viperoutput
7440     \fi
7441     \endgroup
7442 \fi}%
7443
7444
7445 \def \@@adviper {%
7446     \if@firstcolumn
7447     \@insertfalse
7448     \@reqcolroom .5\@pageht
7449     \ht@viper\@reqcolroom
7450     \advance \@reqcolroom \ht\@viper
7451     \advance \@reqcolroom \stripsep
7452     \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7453 %%
7454     \@tempdimb \ht@viper
7455     \loop
7456     \setbox\v@aaa\copy\@holdpg
7457     \setbox\v@ccc\ vbox to\@tempdimb{%
7458         \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7459     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7460     \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7461     \loop
7462     \setbox\v@aaa\copy\@holdpg
7463     \setbox\v@ccc\ vbox to\@tempdimb{%
7464         \vsplit\v@aaa to\@tempdimb\vss}%
7465     \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7466     \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7467     \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
7468     \setbox\v@ccc\ vbox to\@tempdimb{%
7469         \vsplit\@holdpg to\@tempdimb\vss}%
7470 %%

```



```

7471 \setbox\@tempboxa \vbox {%
7472   \hb@xt@\textwidth {%
7473     \if@RTLmain%
7474     \hskip \columnwidth
7475     \hfil \vrule width\columnseprule \hfil
7476     \hb@xt@\columnwidth {%
7477       \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7478     \hskip -\textwidth
7479     \hb@xt@\columnwidth {%
7480       \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7481     \hskip \columnsep
7482     \hskip \columnwidth
7483     \else%
7484     \hb@xt@\columnwidth {%
7485       \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7486     \hfil
7487     \vrule \@width\columnseprule
7488     \hfil
7489     \hb@xt@\columnwidth {%
7490       \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7491     \fi}%
7492   }%
7493 \ifvoid\hold@viper
7494   \global\setbox\hold@viper \vbox {%
7495     \unvbox\@tempboxa
7496     \penalty\interlinepenalty
7497     \vskip\stripsep
7498     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7499     \outputpenalty \z@
7500     }%
7501 \else
7502   \global\setbox\hold@viper \vbox {%
7503     \unvbox\hold@viper
7504     \unvbox\@tempboxa
7505     \penalty\interlinepenalty
7506     \vskip\stripsep
7507     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7508     \outputpenalty \z@
7509     }%
7510 \fi
7511 \ifdim \@colroom>\@reqcolroom
7512   \global\setbox\hold@viper \vbox {%
7513     \unvbox\hold@viper
7514     \box\@viper
7515     \penalty\interlinepenalty
7516     \vskip\stripsep
7517     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7518     \outputpenalty \z@
7519     }%
7520 \@inserttrue

```



```

7521     \advance\@tempdima by-\ht\hold@viper
7522     \global \advance \@colht \@tempdima
7523     \ifdim \@colht<2.5\baselineskip
7524         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7525             too tall on page \thepage (1 stulpelis)}%
7526         \@emptycol
7527         \if@firstcolumn
7528         \else
7529             \@emptycol
7530         \fi
7531         \global\@lastvipertrue
7532     \else
7533         \global \vsize \@colht
7534         \global \@colroom \@colht
7535         \check@floats
7536         \ifdim\@tempdima>\z@
7537             \global\advance\@colroom by-\@tempdima
7538         \fi
7539         \ifdim\@colroom<\z@
7540             \global\@colroom 1pt
7541             \ifdim\@tempdima>\@colht
7542                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7543                     netelpa lape \thepage (1 stulpelis)}%
7544             \fi
7545             \@emptycol
7546             \if@firstcolumn
7547             \else
7548                 \@emptycol
7549             \fi
7550             \global\@lastvipertrue
7551         \fi
7552     \fi
7553     \fi
7554 \else
7555     \@insertfalse
7556     \@reqcolroom\@colht
7557     \advance\@reqcolroom \@pageht
7558     \ht@viper.5\@reqcolroom
7559     \@reqcolroom\ht@viper
7560     \advance \@reqcolroom \ht\@viper
7561     \advance \@reqcolroom \stripsep
7562     \if@flushend@auto@baselineskip
7563         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7564             \global\lastskip@d\lastskip
7565             \global\lastskip@b\lastskip
7566         \loop
7567             \global\lastskip@a\lastskip@b
7568             \unskip\unpenalty
7569             \global\lastskip@b\lastskip
7570             \global\advance\lastskip@d by\lastskip

```



```

7571     \ifdim\lastskip@b=-\lastskip@a
7572         \global\advance\lastskip@d by-\lastskip
7573     \else
7574     \repeat
7575     \ifdim\lastskip@b=-\lastskip@a
7576         \ifdim\lastskip@b=\z@
7577             \setbox\lastbox@a\lastbox
7578             \global\advance\lastskip@d by\ht\lastbox@a
7579             \global\advance\lastskip@d by\lastskip
7580             \unskip\unpenalty
7581             \setbox\lastbox@a\lastbox
7582             \global\advance\lastskip@d by\dp\lastbox@a
7583         \else
7584             \global\lastskip@d\lastskip
7585             \global\advance\lastskip@d by\topskip
7586         \fi
7587     \fi
7588     \global\advance\lastskip@d by-\topskip
7589     }%
7590 \ifdim\ht\@holdpg>\@colht
7591     \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7592     \par\eject
7593     \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7594     }%
7595 \else
7596     \global\setbox\@holdpg\vbox{%
7597     \unvbox\@leftcolumn\unskip\unpenalty
7598     \vskip\lastskip@d
7599     \the\At@ViperColsBreak
7600     \unvbox\@holdpg
7601     \unskip
7602     }%
7603 \fi
7604 \else
7605     \global\setbox\@holdpg\vbox{%
7606     \unvbox\@leftcolumn
7607     \setbox\@tempboxa\lastbox
7608     \on@stripcols@break
7609     \the\At@ViperColsBreak
7610     \unvbox\@holdpg
7611     }%
7612 \fi
7613 \global\At@ViperColsBreak{}}%
7614 \ht@viper .5\ht\@holdpg
7615 \ifdim \ht@viper>\@colht
7616     \ht@viper \@colht
7617 \fi
7618 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7619 %%
7620 \@tempdimb \ht@viper

```



```

7621 \loop
7622 \setbox\v@aaa\copy\@holdpg
7623 \setbox\v@ccc\vbox to\@tempdimb{%
7624 \vsplit\v@aaa to\@tempdimb
7625 \vss
7626 \vsplit\v@aaa to\@tempdimb
7627 }%
7628 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7629 \ifvoid\v@aaa
7630 \else
7631 \advance\@tempdimb 1\p@
7632 \repeat
7633 \loop
7634 \setbox\v@aaa\copy\@holdpg
7635 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7636 \wlog{(2)Left:\the\ht\v@ccc\space
7637 Right:\the\ht\v@aaa\space
7638 Output:\the\@tempdimb
7639 }%
7640 \ifdim\ht\v@ccc<\ht\v@aaa
7641 \@tempdimb \the\ht\v@aaa
7642 \repeat
7643 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7644 ^^JRight:\the\ht\v@aaa
7645 ^^JOutput:\the\@tempdimb
7646 }%
7647 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7648 \setbox\@tempboxa\vbox{%
7649 \hb@xt@\textwidth {%
7650 \if@RTLmain%
7651 \hskip \columnwidth
7652 \hfil \vrule width\columnseprule \hfil
7653 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7654 \hskip -\textwidth
7655 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7656 \hskip \columnsep
7657 \hskip \columnwidth
7658 \else
7659 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7660 \hfil
7661 \vrule \@width\columnseprule
7662 \hfil
7663 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7664 \fi%
7665 }%
7666 }%
7667 \ifvoid\hold@viper
7668 \global\setbox\hold@viper \vbox {%
7669 \unvbox\@tempboxa
7670 \penalty\interlinepenalty

```





```

7671         \vskip\stripsep
7672         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7673         \outputpenalty \z@
7674         }%
7675     \else
7676         \global\setbox\hold@viper \vbox {%
7677             \unvbox\hold@viper
7678             \unvbox\@tempboxa
7679             \penalty\interlinepenalty
7680             \vskip\stripsep
7681             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7682             \outputpenalty \z@
7683             }%
7684     \fi
7685     \ifdim \@colht>\@reqcolroom
7686         \global\setbox\hold@viper \vbox {%
7687             \unvbox\hold@viper
7688             \box\@viper
7689             \penalty\interlinepenalty
7690             \vskip\stripsep
7691             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7692             \outputpenalty \z@
7693             }%
7694     \@inserttrue
7695     \global\@firstcolumntrue
7696     \advance\@tempdima by-\ht\hold@viper
7697     \global \advance \@colht \@tempdima
7698     \ifdim \@colht<2.5\baselineskip
7699         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
7700             too tall on page \thepage (2 stulpelis)}%
7701         \@emptycol
7702         \if@firstcolumn
7703         \else
7704             \@emptycol
7705         \fi
7706         \global\@lastvipertrue
7707     \else
7708         \global \vsize \@colht
7709         \global \@colroom \@colht
7710         \check@floats
7711         \ifdim\@tempdima>\z@
7712             \global\advance\@colroom by-\@tempdima
7713         \fi
7714         \ifdim\@colroom<\z@
7715             \global\@colroom 1pt
7716             \ifdim\@tempdima>\colht
7717                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7718                     netelpa lape \thepage (2 stulpelis)}%
7719             \fi
7720         \@emptycol

```



```

7721         \if@firstcolumn
7722         \else
7723             \@emptycol
7724         \fi
7725     \global\@lastvipertrue
7726 \fi
7727     \fi
7728 \fi
7729 \fi
7730 \if@insert
7731 \else
7732     \advance\@tempdima by-\ht\hold@viper
7733     \global \advance \@colht \@tempdima
7734     \global\setbox\hold@viper \vbox {%
7735                                     \unvbox\hold@viper
7736                                     \csname viper@top@hook\endcsname
7737                                     \vsplit\@viper to \@colht
7738                                     \vss
7739                                     }%
7740     \vbox{}%
7741     \global\@firstcolumnfalse
7742     \newpage
7743 \fi
7744 }

```

## 45 File cvthemebidicasual.sty

```

7745 \NeedsTeXFormat{LaTeX2e}
7746 \ProvidesPackage{cvthemebidicasual}
7747 \DeclareOption{blue}{}
7748 \newif\if@colourorange\@colourorangefalse
7749 \DeclareOption{orange}{\@colourorange>true}
7750 \newif\if@colourgreen\@colourgreenfalse
7751 \DeclareOption{green}{\@colourgreentruer}
7752 \newif\if@coloured\@colouredfalse
7753 \DeclareOption{red}{\@colouredtrue}
7754 \newif\if@colourgrey\@colourgreyfalse
7755 \DeclareOption{grey}{\@colourgreytrue}
7756 \DeclareOption*{
7757     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
7758 \ExecuteOptions{colour}
7759 \ProcessOptions\relax
7760 \renewcommand*{\listitemsymbol}{\textbullet}
7761 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7762 \familynamecolour{808080}
7763 \firstnamecolour{A9A9A9}
7764 \quotecolour{696969}
7765 \addresscolour{696969}
7766 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7767 \sectiontitlecolour{1E90FF}

```



```

7768 \subsectioncolour{4682B4}
7769 \definecolor{rulecolour}{gray}{0.6}
7770 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7771 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
7772 \if@colourorange
7773 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7774 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7775 \sectiontitlecolour{FF8C00}
7776 \subsectioncolour{FF8C00}
7777 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7778 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7779 \if@colourgreen
7780 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7781 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7782 \sectiontitlecolour{008000}
7783 \subsectioncolour{008000}
7784 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7785 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7786 \if@coloured
7787 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7788 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7789 \sectiontitlecolour{FF0000}
7790 \subsectioncolour{FF0000}
7791 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7792 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7793 \if@colourgrey
7794 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7795 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7796 \sectiontitlecolour{808080}
7797 \subsectioncolour{808080}
7798 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7799 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7800 \renewcommand*{\ttdefault}{pcr}
7801 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7802 \renewcommand*{\familynamefont}{\firstnamefont}
7803 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7804 \renewcommand*{\quote font}{\large\slshape}
7805 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7806 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7807 \renewcommand*{\maketitle}{%
7808   {%
7809     \ifthenelse{\isundefined{\@photo}}{%
7810       {}%
7811       {\color{firstnamecolor}\framebox{\includegraphics[width=\photowidth]{\@photo}}}}%
7812     \hfill%
7813     \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7814     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7815   \ifthenelse{\isundefined{\@quote}}{%
7816     {}%
7817     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2

```



```

7818 }%
7819 \newif\if@firstfooterelement\@firstfooterelementtrue
7820 \providecommand*\footersymbol{}
7821 \renewcommand*\footersymbol{%
7822   \if@firstfooterelement%
7823   \else%
7824     {~~\color{footersymbolcolor}\textbullet~~}\fi}
7825 \providecommand*\makefooter{}
7826 \renewcommand*\makefooter{%
7827   \fancypagestyle{plain}{%
7828     \fancyfoot[c]{%
7829       \parbox{0.8\textwidth}{%
7830         \centering%
7831         \addressfont\@addresscolour%
7832         \ifthenelse{\isundefined{\@address}}{}{%
7833           \addresssymbol~\@address\%
7834           \@firstfooterelementfalse}%
7835         \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7836         \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7837         \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7838         \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
7839         \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7840       }%
7841     \pagestyle{plain}}
7842 \AtBeginDocument{\makefooter}

```

## 46 File cvthemebidiclassic.sty

```

7843 \NeedsTeXFormat{LaTeX2e}
7844 \ProvidesPackage{cvthemebidiclassic}
7845 \DeclareOption{blue}{}
7846 \newif\if@colourorange\@colourorangefalse
7847 \DeclareOption{orange}{\@colourorange>true}
7848 \newif\if@colourgreen\@colourgreenfalse
7849 \DeclareOption{green}{\@colourgreentrue}
7850 \newif\if@colouredred\@colouredredfalse
7851 \DeclareOption{red}{\@colouredred>true}
7852 \newif\if@colourgrey\@colourgreyfalse
7853 \DeclareOption{grey}{\@colourgrey>true}
7854 \DeclareOption*{
7855   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7856 \ExecuteOptions{colour}
7857 \ProcessOptions\relax
7858 \renewcommand*\listitemsymbol{\textbullet}
7859 \firstnamecolour{}
7860 \familynamecolour{}
7861 \titlecolour{808080}
7862 \quotecolour{696969}
7863 \addresscolour{696969}
7864 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}

```



```

7865 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7866 \sectiontitlecolour{1E90FF}
7867 \subsectioncolour{4682B4}
7868 \if@colourorange
7869   \addresscolour{FF8C00}
7870   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7871   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7872   \sectiontitlecolour{FF8C00}
7873   \subsectioncolour{FF8C00}\fi
7874 \if@colourgreen
7875   \addresscolour{008000}
7876   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7877   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7878   \sectiontitlecolour{008000}
7879   \subsectioncolour{008000}\fi
7880 \if@colourred
7881   \addresscolour{FF0000}
7882   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7883   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7884   \sectiontitlecolour{FF0000}
7885   \subsectioncolour{FF0000}\fi
7886 \if@colourgrey
7887   \addresscolour{808080}
7888   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7889   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7890   \sectiontitlecolour{808080}
7891   \subsectioncolour{808080}\fi
7892 \renewcommand*{\ttdefault}{pcr}
7893 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7894 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7895 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7896 \renewcommand*{\familynamefont}{\firstnamefont}
7897 \renewcommand*{\quoteftfont}{\large\slshape}
7898 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7899 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7900 \newlength{\maketitlenamemaxwidth}
7901 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7902 \newlength{\maketitlenamefullwidth}
7903 \settowidth{\maketitlenamefullwidth}{\firstnamesstyle{\@firstname-}\familynamestyle{\@familyname}}
7904 \newlength{\maketitlenamewidth}
7905 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}
7906 \newlength{\maketitlepicturewidth}
7907 \setlength{\maketitlepicturewidth}{\@photowidth}
7908 \newlength{\maketitledetailwidth}
7909 \renewcommand*{\recomputethemelengths}{%
7910   \setlength{\maketitledetailwidth}{\textwidth}%
7911   \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
7912   \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
7913   \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
7914 \recomputethemelengths

```



```

7915 \newif\if@firstdetailselement\@firstdetailselementtrue
7916 \newcommand*\maketitledetailsnewline{%
7917   \if@firstdetailselement%
7918     \@firstdetailselementfalse%
7919   \else%
7920     \[.2em]\fi}
7921 \renewcommand*\maketitle{%
7922   % name and title
7923   \begin{minipage}[b]{\maketitlewidth}%
7924     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7925     \ifthenelse{equal{\@title}{}}{\[1.25em]\titlestyle{\@title}}%
7926   \end{minipage}%
7927   % optional data
7928   \begin{minipage}[b]{\maketitledetailswidth}%
7929     \bidi@raggedleft\addressfont\@addresscolour%
7930     \ifthenelse{isundefined{\@address}}{\%
7931       \maketitledetailsnewline%
7932       \addresssymbol~\@address}%
7933     \ifthenelse{isundefined{\@mobile}}{\maketitledetailsnewline\mobilesymbol~\@mobile}%
7934     \ifthenelse{isundefined{\@phone}}{\maketitledetailsnewline\phonesymbol~\@phone}%
7935     \ifthenelse{isundefined{\@fax}}{\maketitledetailsnewline\faxsymbol~\@fax}%
7936     \ifthenelse{isundefined{\@email}}{\maketitledetailsnewline\emailsymbol~\emailink{\@email}}%
7937     \ifthenelse{isundefined{\@extrainfo}}{\maketitledetailsnewline\@extrainfo}%
7938   \end{minipage}%
7939   % optional photo
7940   \ifthenelse{isundefined{\@photo}}%
7941     {%
7942     {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics [width=\maketitledetailswidth]{\@photo}}}%
7943   % optional quote
7944   \ifthenelse{isundefined{\@quote}}%
7945     {%
7946     {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[.2em]}%
7947   }

```

## 47 File dblfnote-xetex-bidi.def

```

7948 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7949 \let\autofooterule\relax
7950 \let\rightfootnoterule\relax
7951 \let\leftfootnoterule\relax
7952 \let\textwidthfootnoterule\relax
7953 \let\LRfootnoterule\relax
7954 \def\footnoterule{\kern-3\p@
7955   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7956 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}
7957 \let\@footnotetext\dfn@footnotetext}
7958 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@box\vbox{
7959   \let\insert\dfn@gobble
7960   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7961   \def\@makefnmark{\smash{\dfn@makefnmark}}

```



```

7962 \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7963 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7964 \ifdim\dfn@dima>\z@\else
7965 \dfn@dima1sp\relax
7966 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7967 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7968 \ifvoid\dfn@ins\else
7969 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7970 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7971 \setbox\dfn@boxa\copy\dfn@ins
7972 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7973 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7974 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7975 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7976 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}%
7977 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7978 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7979 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7980 \let\insert\dfn@gobble
7981 \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7982 \def\@makefnmark{\smash{\dfn@makefnmark}}
7983 \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7984 \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7985 \ifdim\dfn@dima>\z@\else
7986 \dfn@dima1sp\relax
7987 \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7988 \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7989 \ifvoid\dfn@ins\else
7990 \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7991 \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7992 \setbox\dfn@boxa\copy\dfn@ins
7993 \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7994 \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7995 \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7996 \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7997 \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}%
7998 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7999 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
8000 \def\dfn@RTLmakecol{{\ifvoid\footins\else
8001 \dfn@dima\ht\footins
8002 \@tempcnta\z@ \dfn@countins
8003 \@tempdima\z@ \let\@elt\dfn@elt@getht
8004 \dfn@list\@nil
8005 \ifdim\@tempdima=\z@\else
8006 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
8007 \global\setbox\dfn@ins\box\dfn@ins
8008 \@tempswatruue
8009 \ifdfn@trysingle
8010 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
8011 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb

```



```

8012         \advance\@tempdima-\skip\footins
8013         \advance\@tempdima-\ht\dfn@boxa
8014         \ifdim\@tempdima<\z@else \@tempswafalse
8015             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
8016                 \footnoterule \unvbox\dfn@boxa}\fi\fi
8017     \if@tempswa
8018     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8019     \global\setbox\footins\vbox{\hbox{%
8020         \hskip \DFNcolumnwidth
8021         \hskip\DFNcolumnsep
8022         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
8023             \unvbox\dfn@boxb\vss}\hss}
8024         \hskip -\textwidth
8025         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
8026             \vbox to\@tempdima{
8027                 \setbox\@tempboxa\vbox{\footnoterule}
8028                 \ifdfn@ruleboth \unvbox\@tempboxa
8029                 \else \@tempdima\ht\@tempboxa
8030                 \advance\@tempdima\dp\@tempboxa
8031                 \vskip\@tempdima
8032                 \prevdepth\dp\@tempboxa \fi
8033                 \unvbox\dfn@boxa\vss}\fi\hss}
8034                 \hskip \DFNcolumnsep
8035                 \hskip \DFNcolumnwidth}}}\fi\fi
8036     \global\dfn@fnht\z@
8037     \ifx\dfn@list\@empty\else
8038         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
8039         \dfn@list \global\advance\dfn@fnht\dfn@dimb
8040         \let\@elt\relax
8041         \ifdim\dfn@dimb>\z@
8042             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
8043             \insert\footins{\floatingpenalty\@MM
8044                 \vbox to\dfn@dimb{}}\fi
8045         \ifdim\dfn@fnht>\@tempdima
8046             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
8047             \global\dfn@fnht\@tempdima
8048             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
8049             \xdef\dfn@afteroutput{\insert\footins{
8050                 \floatingpenalty\@MM
8051                 \vbox to\number\@tempdimb sp{}}}%
8052             \global\let\noexpand\dfn@afteroutput\relax}%
8053         \fi\fi
8054     \fi}%
8055     \let\footnoterule\relax \dfn@latex@makecol
8056     \let\footnoterule\dfn@footnoterule}
8057 \def\dfn@LTRmakecol{\ifvoid\footins\else
8058     \dfn@dima\ht\footins
8059     \@tempcnta\z@ \dfn@countins
8060     \@tempdima\z@ \let\@elt\dfn@elt@getht
8061     \dfn@list\@nil

```





```

8062 \ifdim\@tempdima=\z@\else
8063 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
8064 \global\setbox\dfn@ins\box\dfn@ins
8065 \@tempswatru
8066 \ifdfn@trysingle
8067 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
8068 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
8069 \advance\@tempdima-\skip\footins
8070 \advance\@tempdima-\ht\dfn@boxa
8071 \ifdim\@tempdima<\z@\else \@tempswafalse
8072 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
8073 \footnoterule \unvbox\dfn@boxa}\fi\fi
8074 \if@tempswa
8075 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
8076 \global\setbox\footins\vbox{\hbox{%
8077 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
8078 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
8079 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
8080 \vbox to\@tempdima{
8081 \setbox\@tempboxa\vbox{\footnoterule}
8082 \ifdfn@ruleboth \unvbox\@tempboxa
8083 \else \@tempdima\ht\@tempboxa
8084 \advance\@tempdima\dp\@tempboxa
8085 \vskip\@tempdima
8086 \prevdepth\dp\@tempboxa \fi
8087 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
8088 \global\dfn@fnht\z@
8089 \ifx\dfn@list\@empty\else
8090 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
8091 \dfn@list \global\advance\dfn@fnht\dfn@dimb
8092 \let\@elt\relax
8093 \ifdim\dfn@dimb>\z@
8094 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
8095 \insert\footins{\floatingpenalty\@MM
8096 \vbox to\dfn@dimb{}}\fi
8097 \ifdim\dfn@fnht>\@tempdima
8098 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
8099 \global\dfn@fnht\@tempdima
8100 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
8101 \xdef\dfn@afteroutput{\insert\footins{
8102 \floatingpenalty\@MM
8103 \vbox to\number\@tempdimb sp{}}}%
8104 \global\let\noexpand\dfn@afteroutput\relax}%
8105 \fi\fi
8106 \fi}%
8107 \let\footnoterule\relax \dfn@latex@makecol
8108 \let\footnoterule\dfn@footnoterule}
8109 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
8110 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
8111 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}

```



8112 \DFNalwaysdouble

## 48 File diagbox-xetex-bidi.def

```
8113 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for
8114 \bidi@patchcmd{\diagbox@double}{%
8115   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8116 }{\bidi@@diagbox@double@ii}{-}{-}
8117 \bidi@patchcmd{\diagbox@double}{%
8118   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8119 }{\bidi@@diagbox@double@iii}{-}{-}
8120 \newcommand*{\bidi@@diagbox@double@ii}{%
8121   \if@RTL
8122     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
8123   \else
8124     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8125   \fi
8126 }
8127 \newcommand*{\bidi@@diagbox@double@iii}{%
8128   \if@RTL
8129     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8130   \else
8131     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8132   \fi
8133 }
8134 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8135   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8136 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
8137 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8138   \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8139 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{-}{-}
8140 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
8141   \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8142 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{-}{-}
8143 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
8144   \if@RTL
8145     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}}
8146   \else
8147     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
8148   \fi
8149 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
8150   \if@RTL
8151     \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
8152   \else
8153     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}}
8154   \fi
8155 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
8156 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8157   \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
8158 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{-}{-}
```



```

8159 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8160   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8161 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8162 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
8163   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8164 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
8165 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
8166   \if@RTL
8167     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}%
8168   \else
8169     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
8170   \fi
8171 }
8172 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
8173   \if@RTL
8174     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
8175   \else
8176     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
8177   \fi
8178 }
8179 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
8180 \bidi@patchcmd{\diagbox@double@pict@SE}{%
8181   \diagbox@setlinecolor
8182   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
8183 }{%
8184   {\diagbox@setlinecolor
8185   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)}%
8186 }{-}{-}
8187 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
8188 \bidi@patchcmd{\diagbox@double@pict@NE}{%
8189   \diagbox@setlinecolor
8190   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
8191 }{%
8192   {\diagbox@setlinecolor
8193   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)}%
8194 }{-}{-}
8195 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
8196 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
8197   \diagbox@setlinecolor
8198   \Line(0,\yym)(\x,0)
8199   \Line(\xm,\y)(\x,0)%
8200 }{%
8201   {\diagbox@setlinecolor
8202   \Line(0,\yym)(\x,0)
8203   \Line(\xm,\y)(\x,0)}%
8204 }{-}{-}
8205 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
8206   \diagbox@setlinecolor
8207   \Line(0,0)(\xxm,\y)
8208   \Line(0,0)(\x,\yym)%

```



```

8209 }{%
8210   {\diagbox@setlinecolor
8211     \Line(0,0)(\xxm,\y)
8212     \Line(0,0)(\x,\yym)}%
8213 }{}{}
8214 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
8215   \diagbox@setlinecolor
8216   \Line(0,\ym)(\x,\y)
8217   \Line(\xm,0)(\x,\y)%
8218 }{%
8219   {\diagbox@setlinecolor
8220     \Line(0,\ym)(\x,\y)
8221     \Line(\xm,0)(\x,\y)}%
8222 }{}{}
8223 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
8224   \diagbox@setlinecolor
8225   \Line(0,\y)(\xxm,0)
8226   \Line(0,\y)(\x,\ym)%
8227 }{%
8228   {\diagbox@setlinecolor
8229     \Line(0,\y)(\xxm,0)
8230     \Line(0,\y)(\x,\ym)}%
8231 }{}{}

```

## 49 File draftwatermark-xetex-bidi.def

```

8232 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
8233 \renewcommand\SetWatermarkText[1]{%
8234   \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

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

```

8235 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for xetex]
8236 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8237   \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
8238 }
8239 \ESO@isMEMOIR{%
8240   \renewcommand\AtTextUpperLeft[1]{%
8241     \begingroup
8242       \ifodd\c@page
8243         \@tempdima=\spinemargin
8244       \else
8245         \@tempdima=\paperwidth
8246         \advance\@tempdima-\textwidth
8247         \advance\@tempdima-\spinemargin
8248       \fi
8249       \@tempdimb=-\uppermargin
8250       \AtPageUpperLeft{%
8251         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8252       }%

```



```

8253 \endgroup
8254 }
8255 }{
8256 \renewcommand\AtTextUpperLeft[1]{
8257 \begingroup
8258 \@tempdima=1in\relax
8259 \ifodd\c@page
8260 \advance\@tempdima\oddsidemargin
8261 \else
8262 \advance\@tempdima\evensidemargin
8263 \fi
8264 \@tempdimb=-1in\relax
8265 \advance\@tempdimb-\topmargin
8266 \advance\@tempdimb-\headheight
8267 \advance\@tempdimb-\headsep
8268 \AtPageUpperLeft{
8269 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}
8270 }
8271 \endgroup
8272 }
8273 }

```

## 51 File empheq-xetex-bidi.def

```

8274 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for X
8275 \MHInternalSyntaxOn
8276 \def\EQ_tag_plus_endmark:{
8277 \iftagsleft@
8278 \gdef\maketag@@@#1{
8279 \hfuzz\displaywidth
8280 \if@RTL\makebox[\widthof{#1}][r]{
8281 \hbox to \displaywidth{\m@th\normalfont#1\hss
8282 \raisebox{-\dp\EQ_mathdisplay_box
8283 -\depthof{\EQ_outerbox:}}{
8284 {\PotEndMark{\hss}}}}
8285 \else\makebox[\widthof{#1}][l]{
8286 \hbox to \displaywidth{\m@th\normalfont#1\hss
8287 \raisebox{-\dp\EQ_mathdisplay_box
8288 -\depthof{\EQ_outerbox:}}{
8289 {\PotEndMark{\hss}}}}\fi}
8290 \MH_else:
8291 \gdef\maketag@@@#1{
8292 \hbox{\m@th\normalfont#1\llap{\hss\PotEndMark{
8293 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}
8294 \MH_addtolength:dn \@tempdima
8295 {g_EQ_bottomtag_depth_dim+\mintagvsep}
8296 \setlength{\@tempdimb}
8297 {g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
8298 +\depthof{\EQ_innerbox:}}
8299 \MH_if_dim:w \@tempdima>\@tempdimb

```



```

8300     \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8301         -\@tempdima+\g_EQ_bottomrow_depth_dim}
8302     \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
8303     \def\EQ_next:{\raisebox{\@tempdima}}%
8304     \MH_else:
8305     \def\EQ_next:{
8306         \raisebox{-\dp\EQ_mathdisplay_box
8307             -\depthof{\EQ_outerbox:}}}%
8308     \MH_fi:\EQ_next:}}}%
8309 \MH_fi:}
8310 \def\EQ_post_process:{%
8311 \EQ_initialize:
8312 \EQ_begin_equation:
8313 \MH_if_boolean:nT {outer_mult}{
8314     \setkeys{\MT_options_name:}{
8315         firstline-afterskip=0pt,
8316         lastline-preskip=0pt,
8317         multlined-width=0pt,
8318     }
8319     \ifodd \l_EQ_alignmentmode_int
8320     \setkeys{\MT_options_name:}{multlined-pos=b}
8321 \MH_else:
8322     \setkeys{\MT_options_name:}{multlined-pos=t}
8323 \MH_fi:
8324     \g@addto@macro\EQ_complete_mathdisplay:{
8325         \begin{MTmultlined}\relax
8326     }
8327 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8328 \MH_if_boolean:nT {outer_mult}{
8329     \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8330 }
8331 \EQ_end_equation:
8332 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8333 \savecounters@
8334 \EQ_typeset_tags:
8335 \edef\l_EQ_equation_fint{\number\c@equation}
8336 \restorecounters@
8337 \Hy@linkcounter=\EQ_hyperref_link_fint
8338 \settowidth\l_EQ_totalwidth_dim{%
8339     $\EQ_left_side:\EQ_innerbox:}\EQ_right_side:$}%
8340 \MH_if_boolean:nTF {outer_mult}
8341     { \def\EQ_next:{}_mult }
8342     { \def\EQ_next:{} }
8343 \@nameuse{EQ_modify_linewidth_
8344     \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8345 \EQ_typeset_display:
8346 \@nameuse{EQ_find_displaywidth_
8347     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8348 \MH_addtolength:dn
8349     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}

```



```

8350 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8351   $\EQ_left_side:
8352   \EQ_innerbox:{%
8353     \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8354     \makebox[\l_EQ_displaywidth_dim][c]
8355     {\usebox{\EQ_mathdisplay_box}}%
8356   \MH_or:
8357     \makebox[\l_EQ_displaywidth_dim][c]
8358     {\usebox{\EQ_mathdisplay_box}}%
8359   \MH_or:
8360     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8361       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8362       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8363         \kern-\@mathmargin
8364         \MH_fi:
8365       \MH_fi:
8366       \usebox{\EQ_mathdisplay_box}}%
8367     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8368       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8369       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8370         \kern-\@mathmargin
8371         \MH_fi:
8372       \MH_fi:
8373       \usebox{\EQ_mathdisplay_box}}\fi%
8374   \MH_or:
8375     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8376       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8377       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8378         \kern-\@mathmargin
8379         \MH_fi:
8380       \MH_fi:
8381       \usebox{\EQ_mathdisplay_box}}
8382     \else\makebox[\l_EQ_displaywidth_dim][l]{%
8383       \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8384       \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8385         \kern-\@mathmargin
8386         \MH_fi:
8387       \MH_fi:
8388       \usebox{\EQ_mathdisplay_box}}\fi%
8389   \MH_fi:}%
8390   \EQ_right_side:$}%
8391 \begin{AmSequation*}
8392 \@nameuse{EQ_place_display_
8393   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8394 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8395 \MH_set_boolean_T:n {show_manual_tags}
8396 \MH_if_case:w \l_EQ_alignmentmode_int
8397 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
8398 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
8399 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3

```



```

8400 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %4
8401 \MH_fi:
8402 \MH_fi:
8403 \end{AmSequation*}
8404 \global\c@equation=\l_EQ_equation_fint\relax
8405 }
8406 \AtBeginDocument{%
8407 \@ifpackageloaded{fancybox}{%
8408 \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8409 {\renewcommand*{\textcolor[2]{\normalcolor{#2}}}{%
8410 \renewcommand*{\shadowbox{%
8411 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
8412 \VerbBox\EQ_shadowbox:n}
8413 {\MH_set_boolean_F:n {shadowbox_star}
8414 \VerbBox\EQ_shadowbox:n}}
8415 \def\EQ_shadowbox:n #1{%
8416 \sbox{\z@}{\fbox{#1}}%
8417 \MH_if_boolean:nTF {shadowbox_star}{
8418 \MH_setlength:dn \@tempdima{\z@}%
8419 }{
8420 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8421 }
8422 \raisebox{\@tempdima}{%
8423 \if@RTL\makebox[\z@][r]{%
8424 \kern\shadowsize \textcolor{shadowcolor}{%
8425 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8426 }%
8427 \else\makebox[\z@][l]{%
8428 \kern\shadowsize \textcolor{shadowcolor}{%
8429 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
8430 }\fi%
8431 \usebox\z@\textcolor{shadowcolor}{%
8432 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8433 }{}%
8434 }
8435 \MHInternalSyntaxOff

```

## 52 File extarticle-xetex-bidi.def

```

8436 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8437 \renewcommand*\l@section[2]{%
8438 \ifnum \c@tocdepth >\z@
8439 \addpenalty\@secpenalty
8440 \addvspace{1.0em \@plus\p@}%
8441 \setlength\@tempdima{1.5em}%
8442 \begingroup
8443 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8444 \parfillskip -\@pnumwidth
8445 \leavevmode \bfseries
8446 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima

```





```

8447     \hskip -\if@RTL\righskip\else\leftskip\fi
8448     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8449   \endgroup
8450 \fi}
8451 \renewcommand*\l@part[2]{%
8452 \ifnum \c@tocdepth >-2\relax
8453   \addpenalty\secpenalty
8454   \addvspace{2.25em \@plus\p@}%
8455   \begingroup
8456     \setlength\@tempdima{3em}%
8457     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
8458     \parfillskip -\@pnumwidth
8459     {\leavevmode
8460       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8461     \nobreak
8462   \endgroup
8463 \fi}
8464 \def\@part[#1]#2{%
8465   \ifnum \c@secnumdepth >\m@ne
8466     \refstepcounter{part}%
8467     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8468   \else
8469     \addcontentsline{toc}{part}{#1}%
8470   \fi
8471   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8472     \interlinepenalty \@M
8473     \normalfont
8474     \ifnum \c@secnumdepth >\m@ne
8475       \Large\bfseries \partname~\thepart
8476     \par\nobreak
8477     \fi
8478     \huge \bfseries #2%
8479     \markboth{}{\par}%
8480     \nobreak
8481     \vskip 3ex
8482     \@afterheading}
8483 \def\@spart#1{%
8484   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8485     \interlinepenalty \@M
8486     \normalfont
8487     \huge \bfseries #1\par}%
8488     \nobreak
8489     \vskip 3ex
8490     \@afterheading}
8491 \renewenvironment{thebibliography}[1]
8492   {\section*{\refname
8493     \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
8494     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8495     \bidi@thebibliography@font@hook%
8496     \list{\@biblabel{\@arabic\c@enumiv}}%

```



```

8497         {\settowidth\labelwidth{\@biblabel{#1}}}%
8498         \leftmargin\labelwidth
8499         \advance\leftmargin\labelsep
8500         \@openbib@code
8501         \usecounter{enumiv}%
8502         \let\p@enumiv\@empty
8503         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8504     \sloppy\clubpenalty4000\widowpenalty4000%
8505     \sfcode`.\@m}
8506     {\def\@noitemerr
8507      {\@latex@warning{Empty `thebibliography' environment}}}%
8508     \endlist}
8509 \renewcommand\left@footnoterule{%
8510   \kern-3\p@
8511   \hrule\@width.4\columnwidth
8512   \kern2.6\p@}
8513 \renewcommand\right@footnoterule{%
8514   \kern-3\p@
8515   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8516   \kern2.6\p@}
8517   \if@titlepage
8518   \renewcommand\maketitle{\begin{titlepage}%
8519     \let\footnotesize\small
8520     \let\right@footnoterule\relax
8521     \let\left@footnoterule\relax
8522     \let\textwidth\footnoterule\relax
8523     \let \footnote \thanks
8524     \null\vfil
8525     \vskip 60\p@
8526     \begin{center}%
8527       {\LARGE \@title \par}%
8528       \vskip 3em%
8529       {\large
8530        \lineskip .75em%
8531        \begin{tabular}[t]{c}%
8532          \@author
8533          \end{tabular}\par}%
8534        \vskip 1.5em%
8535        {\large \@date \par}%           % Set date in \large size.
8536      \end{center}\par
8537     \@thanks
8538     \vfil\null
8539   \end{titlepage}%
8540   \setcounter{footnote}{0}%
8541   \global\let\thanks\relax
8542   \global\let\maketitle\relax
8543   \global\let\@thanks\@empty
8544   \global\let\@author\@empty
8545   \global\let\@date\@empty
8546   \global\let\@title\@empty

```



```

8547 \global\let\title\relax
8548 \global\let\author\relax
8549 \global\let\date\relax
8550 \global\let\and\relax
8551 }
8552 \else
8553 \renewcommand\maketitle{\par
8554 \begin{group}
8555 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8556 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8557 \long\def\@makefntext##1{\parindent 1em\noindent
8558 \hb@xt@1.8em{%
8559 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8560 \if@twocolumn
8561 \ifnum \col@number=\@ne
8562 \@maketitle
8563 \else
8564 \twocolumn[\@maketitle]%
8565 \fi
8566 \else
8567 \newpage
8568 \global\@topnum\z@ % Prevents figures from going at top of page.
8569 \@maketitle
8570 \fi
8571 \thispagestyle{plain}\@thanks
8572 \end{group}
8573 \setcounter{footnote}{0}%
8574 \global\let\thanks\relax
8575 \global\let\maketitle\relax
8576 \global\let\@maketitle\relax
8577 \global\let\@thanks\@empty
8578 \global\let\@author\@empty
8579 \global\let\@date\@empty
8580 \global\let\@title\@empty
8581 \global\let\title\relax
8582 \global\let\author\relax
8583 \global\let\date\relax
8584 \global\let\and\relax
8585 }
8586 \def\@maketitle{%
8587 \newpage
8588 \null
8589 \vskip 2em%
8590 \begin{center}%
8591 \let \footnote \thanks
8592 {\LARGE \@title \par}%
8593 \vskip 1.5em%
8594 {\large
8595 \lineskip .5em%
8596 \begin{tabular}[t]{c}%

```



```

8597         \@author
8598         \end{tabular}\par}%
8599         \vskip 1em%
8600         {\large \@date}%
8601     \end{center}%
8602     \par
8603     \vskip 1.5em}
8604 \fi
8605 \renewcommand\thesubsection  {\thesection\@SepMark\@arabic\c@subsection}
8606 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8607 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8608 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

### 53 File extbook-xetex-bidi.def

```

8609 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for ]
8610 \if@titlepage
8611 \renewcommand\maketitle{\begin{titlepage}%
8612 \let\footnotesize\small
8613 \let\right@footnoterule\relax
8614 \let\left@footnoterule\relax
8615 \let\textwidth@footnoterule\relax
8616 \let \footnote \thanks
8617 \let \LTRfootnote \LTRthanks
8618 \let \RTLfootnote \RTLthanks
8619 \null\vfil
8620 \vskip 60\p@
8621 \begin{center}%
8622     {\LARGE \@title \par}%
8623     \vskip 3em%
8624     {\large
8625     \lineskip .75em%
8626     \begin{tabular}[t]{c}%
8627         \@author
8628         \end{tabular}\par}%
8629     \vskip 1.5em%
8630     {\large \@date \par}%           % Set date in \large size.
8631 \end{center}\par
8632 \@thanks
8633 \vfil\null
8634 \end{titlepage}%
8635 \setcounter{footnote}{0}%
8636 \global\let\thanks\relax
8637 \global\let\LTRthanks\relax
8638 \global\let\RTLthanks\relax
8639 \global\let\maketitle\relax
8640 \global\let\@thanks\@empty
8641 \global\let\@author\@empty
8642 \global\let\@date\@empty
8643 \global\let\@title\@empty

```



```

8644 \global\let\title\relax
8645 \global\let\author\relax
8646 \global\let\date\relax
8647 \global\let\and\relax
8648 }
8649 \else
8650 \renewcommand\maketitle{\par
8651 \begingroup
8652 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8653 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8654 \long\def\@makefntext##1{\parindent 1em\noindent
8655 \hb@xt@1.8em{%
8656 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8657 \if@twocolumn
8658 \ifnum \col@number=\@ne
8659 \@maketitle
8660 \else
8661 \twocolumn[\@maketitle]%
8662 \fi
8663 \else
8664 \newpage
8665 \global\@topnum\z@ % Prevents figures from going at top of page.
8666 \@maketitle
8667 \fi
8668 \thispagestyle{plain}\@thanks
8669 \endgroup
8670 \setcounter{footnote}{0}%
8671 \global\let\thanks\relax
8672 \global\let\LTRthanks\relax
8673 \global\let\RTLthanks\relax
8674 \global\let\maketitle\relax
8675 \global\let\@maketitle\relax
8676 \global\let\@thanks\@empty
8677 \global\let\@author\@empty
8678 \global\let\@date\@empty
8679 \global\let\@title\@empty
8680 \global\let\title\relax
8681 \global\let\author\relax
8682 \global\let\date\relax
8683 \global\let\and\relax
8684 }
8685 \def\@maketitle{%
8686 \newpage
8687 \null
8688 \vskip 2em%
8689 \begin{center}%
8690 \let \footnote \thanks
8691 \let \LTRfootnote \LTRthanks
8692 \let \RTLfootnote \RTLthanks
8693 {\LARGE \@title \par}%

```



```

8694 \vskip 1.5em%
8695 {\large
8696 \lineskip .5em%
8697 \begin{tabular}[t]{c}%
8698 \@author
8699 \end{tabular}\par}%
8700 \vskip 1em%
8701 {\large \@date}%
8702 \end{center}%
8703 \par
8704 \vskip 1.5em}
8705 \fi
8706 \renewcommand*\l@part[2]{%
8707 \ifnum \c@tocdepth >-2\relax
8708 \addpenalty{-\@highpenalty}%
8709 \addvspace{2.25em \@plus\p}%
8710 \begingroup
8711 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8712 \parfillskip -\@pnumwidth
8713 {\leavevmode
8714 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8715 \nobreak
8716 \global\@nobreaktrue
8717 \everypar{\global\@nobreakfalse\everypar{}}%
8718 \endgroup
8719 \fi}
8720 \renewcommand\theequation
8721 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8722 \renewcommand \thefigure
8723 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8724 \renewcommand \thetable
8725 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8726 \renewcommand \thechapter {\@arabic\c@chapter}
8727 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8728 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8729 \renewcommand\thesubsubsection{\thesubsubsection \@SepMark\@arabic\c@subsubsection}
8730 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8731 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8732 \def\@makechapterhead#1{%
8733 \vspace*{50\p}%
8734 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8735 \ifnum \c@secnumdepth >\m@ne
8736 \if@mainmatter
8737 \huge\bfseries \@chapapp\space \thechapter
8738 \par\nobreak
8739 \vskip 20\p@
8740 \fi
8741 \fi
8742 \interlinepenalty\@M
8743 \Huge \bfseries #1\par\nobreak

```



```

8744 \vskip 40\p@
8745 }}
8746
8747 \def\@makeschapterhead#1{%
8748 \vspace*{50\p@}%
8749 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8750 \normalfont
8751 \interlinepenalty\@M
8752 \Huge \bfseries #1\par\nobreak
8753 \vskip 40\p@
8754 }}
8755 \renewcommand\backmatter{%
8756 \if@openright
8757 \cleardoublepage
8758 \else
8759 \clearpage
8760 \fi
8761 \@mainmatterfalse}
8762 \renewenvironment{thebibliography}[1]
8763 {\chapter*\bibname
8764 \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8765 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8766 \bidi@thebibliography@font@hook%
8767 \list{\@biblabel{\@arabic\c@enumiv}}%
8768 {\settowidth\labelwidth{\@biblabel{#1}}%
8769 \leftmargin\labelwidth
8770 \advance\leftmargin\labelsep
8771 \@openbib@code
8772 \usecounter{enumiv}}%
8773 \let\p@enumiv\@empty
8774 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8775 \sloppy
8776 \clubpenalty4000
8777 \@clubpenalty \clubpenalty
8778 \widowpenalty4000%
8779 \sfcode`.\@m}
8780 {\def\@noitemerr
8781 {\@latex@warning{Empty `thebibliography' environment}}%
8782 \endlist}

```

## 54 File extletter-xetex-bidi.def

```

8783 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8784 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
8785 \thispagestyle{firstpage}%
8786 {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8787 \else % home address
8788 \thispagestyle{empty}%
8789 {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8790 \fromaddress \*[2\parskip]}%

```



```

8791     \@date \end{tabular}\par}%
8792 \fi
8793 \vspace{2\parskip}%
8794 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
8795 \vspace{2\parskip}%
8796 #1\par\nobreak}
8797 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8798 \stopbreaks
8799 \noindent
8800 \ifx\@empty\fromaddress\else
8801 \hspace*{\longindentation}\fi
8802 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8803 \ignorespaces #1\ \ [6\medskipamount]}%
8804 \ifx\@empty\fromsig
8805 \fromname
8806 \else \fromsig \fi\strut}%
8807 \par}
8808 \renewcommand\left@footnoterule{%
8809 \kern-\p@
8810 \hrule \@width .4\columnwidth
8811 \kern .6\p@}
8812 \renewcommand\right@footnoterule{%
8813 \kern-\p@
8814 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8815 \kern .6\p@}

```

## 55 File extrafootnotefeatures-xetex-bidi.def

```

8816 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2018/10/11 v1.7 bidi extra footnote featur
8817 \newif\if@bidi@void@footins
8818 \newif\if@bidi@void@mpfootins
8819 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
8820 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8821 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8822 \ifHy@hyperfootnotes
8823 \let\@H@footnotetext\@footnotetext
8824 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
8825 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8826 \let\@H@mpfootnotetext\@mpfootnotetext
8827 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8828 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8829 \fi
8830 }%
8831 }%
8832 }
8833 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8834 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8835 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8836 \ifHy@hyperfootnotes
8837 \let\@H@footnotetext\@footnotetext

```





```

8838 \let\@footnotetext\@H\@footnotetext
8839 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
8840 \let\@LTRfootnotetext\@HLTR@LTRfootnotetext
8841 \let\HRTL@RTLfootnotetext\@RTLfootnotetext
8842 \let\@RTLfootnotetext\@HRTL@RTLfootnotetext
8843 \let\H@mpfootnotetext\@mpfootnotetext
8844 \let\@mpfootnotetext\@H@mpfootnotetext
8845 \let\HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8846 \let\@mpLTRfootnotetext\@HLTR@mpLTRfootnotetext
8847 \let\HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8848 \let\@mpRTLfootnotetext\@HRTL@mpRTLfootnotetext
8849 \fi
8850 }%
8851 }%
8852 }
8853 \let\autofootnoterule\relax
8854 \let\rightfootnoterule\relax
8855 \let\leftfootnoterule\relax
8856 \let\textwidthfootnoterule\relax
8857 \let\LRfootnoterule\relax
8858 \def\footnoterule{\kern-3\p@
8859 \hrule \@width \columnwidth \kern 2.6\p@}
8860 \newcommand{\@preamnormalfmt}{%
8861 \parindent 1em%
8862 \noindent
8863 }
8864 \newcommand{\@normalfootfmt}[1]{%
8865 \@preamnormalfmt
8866 \footfootmark
8867 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8868 \@finalstrut\strutbox
8869 }
8870 \newcommand{\@normalRTLfootfmt}[1]{%
8871 \@preamnormalfmt
8872 \RTLfootfootmark
8873 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8874 \@finalstrut\strutbox
8875 }
8876 \newcommand{\@normalLTRfootfmt}[1]{%
8877 \@preamnormalfmt
8878 \LTRfootfootmark
8879 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8880 \@finalstrut\strutbox
8881 }
8882 \renewcommand{\@footnotetext}[1]{%
8883 \insert\footins{%
8884 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8885 \def\baselinestretch{\m@m@footnote@spacing}%
8886 \reset@font
8887 \foottextfont

```



```

8888 \@preamfntext
8889 \hsize\columnwidth
8890 \protected@edef\@currentlabel{%
8891   \csname p@footnote\endcsname\@thefnmark}%
8892 \color@begingroup
8893   \@normalfootfmt{#1}%
8894 \color@endgroup}%
8895 \m@mmf@prepare}
8896 \renewcommand{\@RTLfootnotetext}[1]{%
8897   \insert\footins{%
8898     \RTLtrue%
8899     \def\baselinestretch{\m@m@footnote@spacing}%
8900     \reset@font
8901     \RTLfoottextfont
8902     \@preamfntext
8903     \hsize\columnwidth
8904     \protected@edef\@currentlabel{%
8905       \csname p@footnote\endcsname\@thefnmark}%
8906     \color@begingroup
8907       \@normalRTLfootfmt{#1}%
8908     \color@endgroup}%
8909     \m@mmf@prepare}
8910 \renewcommand{\@LTRfootnotetext}[1]{%
8911   \insert\footins{%
8912     \RTLfalse%
8913     \def\baselinestretch{\m@m@footnote@spacing}%
8914     \reset@font
8915     \LTRfoottextfont
8916     \@preamfntext
8917     \hsize\columnwidth
8918     \protected@edef\@currentlabel{%
8919       \csname p@footnote\endcsname\@thefnmark}%
8920     \color@begingroup
8921       \@normalLTRfootfmt{#1}%
8922     \color@endgroup}%
8923     \m@mmf@prepare}
8924 \renewcommand{\@mpfootnotetext}[1]{%
8925   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8926     \unvbox\@mpfootins
8927     \def\baselinestretch{\m@m@footnote@spacing}%
8928     \reset@font%
8929     \foottextfont \hsize\columnwidth \@parboxrestore
8930     \protected@edef\@currentlabel{%
8931       \csname p@mpfootnote\endcsname\@thefnmark}%
8932     \color@begingroup
8933       \@normalfootfmt{#1}%
8934     \color@endgroup}}
8935 \renewcommand{\@mpLTRfootnotetext}[1]{%
8936   \global\setbox\@mpfootins\vbox{\@RTLfalse%
8937     \unvbox\@mpfootins

```



```

8938 \def\baselinestretch{\m@m@footnote@spacing}%
8939 \reset@font%
8940 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8941 \protected@edef\@currentlabel{%
8942   \csname p@mpfootnote\endcsname\@thefnmark}%
8943 \color@begingroup
8944   \@normalLTRfootfmt{#1}%
8945 \color@endgroup}}
8946 \renewcommand{\@mpRTLfootnotetext}[1]{%
8947 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8948   \unvbox\@mpfootins
8949   \def\baselinestretch{\m@m@footnote@spacing}%
8950   \reset@font%
8951   \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8952   \protected@edef\@currentlabel{%
8953     \csname p@mpfootnote\endcsname\@thefnmark}%
8954   \color@begingroup
8955     \@normalRTLfootfmt{#1}%
8956   \color@endgroup}}
8957 \let\m@mold@footnotetext\@footnotetext
8958 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8959 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8960 \let\m@mold@mpfootnotetext\@mpfootnotetext
8961 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8962 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8963 \bidi@ensure@newcommand{\normalfootnotes}{%
8964   \@bidi@before@Hy@hyperfootnotes
8965   \let\@footnotetext\m@mold@footnotetext
8966   \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8967   \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8968   \let\@mpfootnotetext\m@mold@mpfootnotetext
8969   \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8970   \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8971   \@bidi@after@Hy@hyperfootnotes
8972   \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
8973 }
8974 \ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8975 \bidi@ensure@newcommand*\@RTLcolumnfootnotes{\@RTLcolumnfootnotestruer}
8976 \bidi@ensure@newcommand*\@LTRcolumnfootnotes{\@RTLcolumnfootnotesfalse}
8977 \bidi@ensure@newcommand*\setSingleSpace}[1]{%
8978   \def\m@m@singlespace{#1}%
8979   \def\m@m@footnote@spacing{#1}%
8980   \def\m@m@float@spacing{#1} %
8981 }
8982 \setSingleSpace{1}
8983 \bidi@ensure@newcommand*\multiplefootnotemarker}{3sp}
8984 \bidi@ensure@newcommand*\m@mmf@prepare}{%
8985   \kern-\multiplefootnotemarker
8986   \kern\multiplefootnotemarker\relax}
8987 \bidi@ensure@newlength{\footmarkwidth}

```



```

8988 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
8989 \bidi@ensure@newcommand*{\LTRfootmarkstyle}[1]{\def\LTRfootscript##1{#1}}
8990 \bidi@ensure@newcommand*{\RTLfootmarkstyle}[1]{\def\RTLfootscript##1{#1}}
8991 \bidi@ensure@newcommand{\footfootmark}{%
8992   \ifdim\footmarkwidth < \z@
8993     \llap{\hb@xt@ -\footmarkwidth{%
8994       \hss\normalfont\footscript{\@thefnmark}}}%
8995     \hspace*{-\footmarkwidth}}%
8996   \else
8997     \ifdim\footmarkwidth = \z@
8998       {\normalfont\footscript{\@thefnmark}}%
8999     \else
9000       \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
9001     \fi
9002   \fi}
9003 \bidi@ensure@newcommand{\LTRfootfootmark}{%
9004   \ifdim\footmarkwidth < \z@
9005     \llap{\hb@xt@ -\footmarkwidth{%
9006       \hss\normalfont\LTRfootscript{\@thefnmark}}}%
9007     \hspace*{-\footmarkwidth}}%
9008   \else
9009     \ifdim\footmarkwidth = \z@
9010       {\normalfont\LTRfootscript{\@thefnmark}}%
9011     \else
9012       \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
9013     \fi
9014   \fi}
9015 \bidi@ensure@newcommand{\RTLfootfootmark}{%
9016   \ifdim\footmarkwidth < \z@
9017     \llap{\hb@xt@ -\footmarkwidth{%
9018       \hss\normalfont\RTLfootscript{\@thefnmark}}}%
9019     \hspace*{-\footmarkwidth}}%
9020   \else
9021     \ifdim\footmarkwidth = \z@
9022       {\normalfont\RTLfootscript{\@thefnmark}}%
9023     \else
9024       \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
9025     \fi
9026   \fi}
9027 \footmarkstyle{\textsuperscript{#1}}
9028 \LTRfootmarkstyle{\textsuperscript{#1}}
9029 \RTLfootmarkstyle{\textsuperscript{#1}}
9030 \newcommand*{\bidi@normal@footmarkwidth}{%
9031   \setlength{\footmarkwidth}{1em plus .4em minus .4em}%
9032 }
9033 \newcommand*{\bidi@star@footmarkwidth}{%
9034   \setlength{\footmarkwidth}{0em plus .4em minus .4em}%
9035 }
9036 \bidi@normal@footmarkwidth
9037 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}

```



```

9038 \bidi@ensure@newcommand*{\extrafeetins}{%
9039   \setbox\@outputbox \vbox{%
9040     \boxmaxdepth \@maxdepth
9041     \unvbox\@outputbox
9042     \ifvoid\footinsv@r
9043       \ifvoid\footinsv@l
9044       \else
9045         \@footstartv@l
9046         \@LTRfootgroupv@l
9047       \fi
9048     \else
9049       \@footstartv@r
9050       \@footgroupv@r
9051       \ifvoid\footinsv@l
9052       \else
9053         @@footstart@@v@l
9054         \@LTRfootgroupv@l
9055       \fi
9056     \fi
9057     \ifvoid\@bidi@copyins@
9058     \else
9059       \vskip \skip\@bidi@copyins@
9060       \color@begingroup
9061       \normalcolor
9062       \unvbox \@bidi@copyins@
9063       \color@endgroup
9064     \fi
9065     \extrafeetinshook}}
9066 \bidi@ensure@newcommand{\extrafeetinshook}{}
9067 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
9068 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
9069 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
9070 \bidi@ensure@newlength{\footinsdim}
9071 \setlength{\footinsdim}{8in} % standard for \dimen\footins
9072 \bidi@ensure@newcommand{\@preamfntext}{%
9073   \interlinepenalty\interfootnotelinepenalty
9074   \floatingpenalty \@MM
9075   \splittopskip=\footnotesep
9076   \splitmaxdepth=\dp\strutbox
9077   \@parboxrestore}
9078 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
9079   \extrafeetminihook}
9080 \bidi@ensure@newcommand{\extrafeetendmini}{%
9081   \ifvoid\@mpfootinsv@r
9082     \ifvoid\@mpfootinsv@l
9083     \else
9084       \vskip\skip\@mpfootins
9085       \normalcolor
9086       \if@bidi@void@\@mpfootins
9087         \footnoterule

```



```

9088     \fi
9089     \mp@LTRfootgroupv@l
9090     \fi
9091 \else
9092     \vskip\skip\@mpfootins
9093     \normalcolor
9094     \if@bidi@void\@mpfootins
9095     \footnoterule
9096     \fi
9097     \mp@footgroupv@r
9098     \ifvoid\@mpfootinsv@l
9099     \else
9100     \vskip\skip\@mpfootins
9101     \normalcolor\mp@LTRfootgroupv@l
9102     \fi
9103 \fi
9104 \extrafeetendminihook}
9105 \bidi@ensure@newcommand{\extrafeetendminihook}{%
9106 \bidi@ensure@newcommand{\m@doextrafeetendmini}{\extrafeetendmini}
9107 \def\endminipage{%
9108 \par
9109 \unskip
9110 \ifvoid\@mpfootins
9111 \global\@bidi@void\@mpfootinstrue
9112 \else
9113 \global\@bidi@void\@mpfootinsfalse
9114 \vskip\skip\@mpfootins
9115 \normalcolor
9116 \footnoterule
9117 \unvbox\@mpfootins
9118 \fi
9119 \m@doextrafeetendmini
9120 \@minipagefalse
9121 \color@endgroup
9122 \egroup
9123 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
9124 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
9125 \@namedef{@footstart#1}{%
9126 \bidi@mopfn@bottom
9127 \leftskip=\z@
9128 \rightskip=\z@
9129 \parindent=\z@
9130 \vskip\skip\footins
9131 \footnoterule}}
9132 \newinsert\footinsv@r
9133 \skip\footinsv@r\bigskipamount
9134 \count\footinsv@r=1000 % no magnification
9135 \dimen\footinsv@r=\footinsdim
9136 \m@make@footstart{v@r}
9137 \newinsert\footinsv@l

```



```

9138 \skip\footinsv@l\bigskipamount
9139 \bidi@ensure@newcommand{\@footgroupv@r}{%
9140 \newinsert\@mpfootinsv@r
9141 \newinsert\@mpfootinsv@l
9142 \bidi@ensure@newcommand{\mp@footgroupv@r}{%
9143 \newcount\m@m@k \newdimen\m@m@h
9144 \@ifpackageloaded{multicol}{%
9145 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9146 \hsize\textwidth
9147 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9148 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
9149 }{%
9150 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
9151 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
9152 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
9153 \bidi@ensure@newcommand*{\m@m@dosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
9154 \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
9155 \bidi@ensure@newcommand*{\m@m@splitoff}{\dimen0=\ht0
9156 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
9157 \setbox2 \vsplit0 to \dimen0
9158 \unvbox2 }
9159 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
9160 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9161 \@bidi@before@Hy@hyperfootnotes
9162 \let\@footnotetext\@twocolfootnotetext
9163 \let\@LTRfootnotetext\@twocolLTRfootnotetext
9164 \let\@RTLfootnotetext\@twocolRTLfootnotetext
9165 \dimen\footinsv@r=2\footinsdim
9166 \count\footinsv@r=500\relax
9167 \m@make@twocol@footgroup{v@r}%
9168 \let\@footgroupv@r\@twocol@footgroupv@r
9169 \let\@mpfootnotetext\@mptwocolfootnotetext
9170 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
9171 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
9172 \@bidi@after@Hy@hyperfootnotes
9173 \m@make@mptwocol@footgroup{v@r}%
9174 \let\mp@footgroupv@r\@mptwocol@footgroupv@r
9175 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9176 }
9177 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue}
9178 \def\baselinestretch{\m@m@footnote@spacing}%
9179 \reset@font\foottextfont
9180 \@preamfntext
9181 \protected@edef\@currentlabel{%
9182 \csname p@footnote\endcsname\@thefnmark}%
9183 \color@begingroup
9184 \@twocolfootfmt{#1}%
9185 \color@endgroup}%
9186 \m@m@mmf@prepare}
9187 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes}

```



```

9188 \def\baselinestretch{\m@m@footnote@spacing}%
9189 \reset@font\LTRfoottextfont
9190 \@preamfntext
9191 \protected@edef\@currentlabel{%
9192   \csname p@footnote\endcsname\@thefnmark}%
9193 \color@begingroup
9194   \@twocolLTRfootfmt{#1}%
9195 \color@endgroup}%
9196 \m@mmf@prepare}
9197 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9198 \def\baselinestretch{\m@m@footnote@spacing}%
9199 \reset@font\RTLfoottextfont
9200 \@preamfntext
9201 \protected@edef\@currentlabel{%
9202   \csname p@footnote\endcsname\@thefnmark}%
9203 \color@begingroup
9204   \@twocolRTLfootfmt{#1}%
9205 \color@endgroup}%
9206 \m@mmf@prepare}
9207 \bidi@ensure@newcommand{\@preamtwofmt}{%
9208   \hsize .45\hsize
9209   \parindent=\z@
9210   \tolerance=5000\relax
9211   \leavevmode}
9212 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
9213   \@preamtwofmt
9214   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9215 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
9216   \@preamtwofmt
9217   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9218 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
9219   \@preamtwofmt
9220   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9221 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
9222   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
9223     \unvbox\@mpfootinsv@r
9224     \def\baselinestretch{\m@m@footnote@spacing}%
9225     \reset@font\foottextfont
9226     \hsize\columnwidth \@parboxrestore
9227     \protected@edef\@currentlabel{%
9228       \csname p@mpfootnote\endcsname\@thefnmark}%
9229     \color@begingroup
9230     \@twocolfootfmt{#1}%
9231     \color@endgroup}%
9232     \m@mmf@prepare}
9233 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
9234   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9235     \unvbox\@mpfootinsv@r
9236     \def\baselinestretch{\m@m@footnote@spacing}%
9237     \reset@font\LTRfoottextfont

```





```

9238 \hsize\columnwidth \@parboxrestore
9239 \if@RTLcolumnfootnotes\beginL\fi
9240 \protected@edef\@currentlabel{%
9241   \csname p@mpfootnote\endcsname\@thefnmark}%
9242 \color@begingroup
9243   \@twocolLTRfootfmt{#1}%
9244 \color@endgroup}%
9245 \m@mmf@prepare}
9246 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
9247   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9248     \unvbox\@mpfootinsv@r
9249     \def\baselinestretch{\m@m@footnote@spacing}%
9250     \reset@font\RTLfoottextfont
9251     \hsize\columnwidth \@parboxrestore
9252     \protected@edef\@currentlabel{%
9253       \csname p@mpfootnote\endcsname\@thefnmark}%
9254     \color@begingroup
9255       \@twocolRTLfootfmt{#1}%
9256     \color@endgroup}%
9257     \m@mmf@prepare}
9258 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
9259   \@namedef{@twocol@footgroup#1}{%
9260     \def\baselinestretch{\m@m@footnote@spacing}%
9261     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9262     \m@r@rigidbalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
9263 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
9264   \@namedef{@mptwocol@footgroup#1}{%
9265     \def\baselinestretch{\m@m@footnote@spacing}%
9266     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9267     \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
9268 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
9269   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9270   \@bidi@before@Hy@hyperfootnotes
9271   \let\@footnotetext\@threecolfootnotetext
9272   \let\@LTRfootnotetext\@threecolLTRfootnotetext
9273   \let\@RTLfootnotetext\@threecolRTLfootnotetext
9274   \dimen\footinsv@r=3\footinsdim
9275   \count\footinsv@r=333\relax
9276   \m@make@threecol@footgroup{v@r}%
9277   \let\@footgroupv@r\@threecol@footgroupv@r
9278   \let\@mpfootnotetext\@mpthreecolfootnotetext
9279   \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
9280   \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
9281   \@bidi@after@Hy@hyperfootnotes
9282   \m@make@mpthreecol@footgroup{v@r}%
9283   \let\mp@footgroupv@r\@mpthreecol@footgroupv@r
9284   \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9285 }
9286 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
9287   \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9288 \reset@font\foottextfont
9289 \@preamfntext
9290 \protected@edef\@currentlabel{%
9291   \csname p@footnote\endcsname\@thefnmark}%
9292 \color@begingroup
9293   \@threecolfootfmt{#1}%
9294 \color@endgroup}\m@mmf@prepare}
9295 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9296 \def\baselinestretch{\m@m@footnote@spacing}%
9297 \reset@font\LTRfoottextfont
9298 \@preamfntext
9299 \protected@edef\@currentlabel{%
9300   \csname p@footnote\endcsname\@thefnmark}%
9301 \color@begingroup
9302   \@threecolLTRfootfmt{#1}%
9303 \color@endgroup}\m@mmf@prepare}
9304 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9305 \def\baselinestretch{\m@m@footnote@spacing}%
9306 \reset@font\RTLfoottextfont
9307 \@preamfntext
9308 \protected@edef\@currentlabel{%
9309   \csname p@footnote\endcsname\@thefnmark}%
9310 \color@begingroup
9311   \@threecolRTLfootfmt{#1}%
9312 \color@endgroup}\m@mmf@prepare}
9313 \bidi@ensure@newcommand{\@preamthreefmt}{%
9314   \hspace .3\hspace
9315   \parindent=\z@
9316   \tolerance=5000\relax
9317   \leavevmode}
9318 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9319   \@preamthreefmt
9320   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9321 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9322   \@preamthreefmt
9323   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9324 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9325   \@preamthreefmt
9326   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9327 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
9328 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9329   \unvbox\@mpfootinsv@r
9330   \def\baselinestretch{\m@m@footnote@spacing}%
9331   \reset@font\foottextfont
9332   \hspace\columnwidth \@parboxrestore
9333   \protected@edef\@currentlabel{%
9334     \csname p@mpfootnote\endcsname\@thefnmark}%
9335   \color@begingroup
9336     \@threecolfootfmt{#1}%
9337   \color@endgroup}\m@mmf@prepare}

```



```

9338 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9339 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9340 \unvbox\@mpfootinsv@r
9341 \def\baselinestretch{\m@m@footnote@spacing}%
9342 \reset@font\LTRfoottextfont
9343 \hsize\columnwidth \@parboxrestore
9344 \if@RTLcolumnfootnotes\beginL\fi
9345 \protected@edef\@currentlabel{%
9346 \csname p@mpfootnote\endcsname\@thefnmark}%
9347 \color@begingroup
9348 \@threecolLTRfootfmt{#1}%
9349 \color@endgroup}\m@m@mmf@prepare}
9350 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
9351 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9352 \unvbox\@mpfootinsv@r
9353 \def\baselinestretch{\m@m@footnote@spacing}%
9354 \reset@font\RTLfoottextfont
9355 \hsize\columnwidth \@parboxrestore
9356 \protected@edef\@currentlabel{%
9357 \csname p@mpfootnote\endcsname\@thefnmark}%
9358 \color@begingroup
9359 \@threecolRTLfootfmt{#1}%
9360 \color@endgroup}\m@m@mmf@prepare}
9361 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9362 \@namedef{@threecol@footgroup#1}{%
9363 \def\baselinestretch{\m@m@footnote@spacing}%
9364 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9365 \m@m@rigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
9366 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9367 \@namedef{@mpthreecol@footgroup#1}{%
9368 \def\baselinestretch{\m@m@footnote@spacing}%
9369 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9370 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}}
9371 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9372 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9373 \@bidi@before@Hy@hyperfootnotes
9374 \let\@footnotetext\@fourcolfootnotetext
9375 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9376 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9377 \dimen\footinsv@r=4\footinsdim
9378 \count\footinsv@r=250\relax
9379 \m@make@fourcol@footgroup{v@r}%
9380 \let\@footgroupv@r\@fourcol@footgroupv@r
9381 \let\@mpfootnotetext\@mpfourcolfootnotetext
9382 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9383 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9384 \@bidi@after@Hy@hyperfootnotes
9385 \m@make@mpfourcol@footgroup{v@r}%
9386 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
9387 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth

```



```

9388 }
9389 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9390 \def\baselinestretch{\m@m@footnote@spacing}%
9391 \reset@font\foottextfont
9392 \@preamfntext
9393 \protected@edef\@currentlabel{%
9394 \csname p@footnote\endcsname\@thefnmark}%
9395 \color@begingroup
9396 \@fourcolfootfmt{#1}%
9397 \color@endgroup}%
9398 \m@mmf@prepare}
9399 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
9400 \def\baselinestretch{\m@m@footnote@spacing}%
9401 \reset@font\LTRfoottextfont
9402 \@preamfntext
9403 \protected@edef\@currentlabel{%
9404 \csname p@footnote\endcsname\@thefnmark}%
9405 \color@begingroup
9406 \@fourcolLTRfootfmt{#1}%
9407 \color@endgroup}%
9408 \m@mmf@prepare}
9409 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9410 \def\baselinestretch{\m@m@footnote@spacing}%
9411 \reset@font\RTLfoottextfont
9412 \@preamfntext
9413 \protected@edef\@currentlabel{%
9414 \csname p@footnote\endcsname\@thefnmark}%
9415 \color@begingroup
9416 \@fourcolRTLfootfmt{#1}%
9417 \color@endgroup}%
9418 \m@mmf@prepare}
9419 \bidi@ensure@newcommand{\@preamfourfmt}{%
9420 \hspace .25\hspace
9421 \parindent=\z@
9422 \tolerance=5000\relax
9423 \leavevmode}
9424 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9425 \@preamfourfmt
9426 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9427 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9428 \@preamfourfmt
9429 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9430 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9431 \@preamfourfmt
9432 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9433 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9434 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9435 \unvbox\@mpfootinsv@r
9436 \def\baselinestretch{\m@m@footnote@spacing}%
9437 \reset@font\foottextfont

```



```

9438 \hsize\columnwidth \@parboxrestore
9439 \protected@edef\@currentlabel{%
9440 \csname p@mpfootnote\endcsname\@thefnmark}%
9441 \color@begingroup
9442 \@fourcolfootfmt{#1}%
9443 \color@endgroup}%
9444 \m@mmf@prepare}
9445 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9446 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9447 \unvbox\@mpfootinsv@r
9448 \def\baselinestretch{\m@m@footnote@spacing}%
9449 \reset@font\LTRfoottextfont
9450 \hsize\columnwidth \@parboxrestore
9451 \ifRTLcolumnfootnotes\beginL\fi
9452 \protected@edef\@currentlabel{%
9453 \csname p@mpfootnote\endcsname\@thefnmark}%
9454 \color@begingroup
9455 \@fourcolLTRfootfmt{#1}%
9456 \color@endgroup}%
9457 \m@mmf@prepare}
9458 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9459 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9460 \unvbox\@mpfootinsv@r
9461 \def\baselinestretch{\m@m@footnote@spacing}%
9462 \reset@font\RTLfoottextfont
9463 \hsize\columnwidth \@parboxrestore
9464 \protected@edef\@currentlabel{%
9465 \csname p@mpfootnote\endcsname\@thefnmark}%
9466 \color@begingroup
9467 \@fourcolRTLfootfmt{#1}%
9468 \color@endgroup}%
9469 \m@mmf@prepare}
9470 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9471 \@namedef{@fourcol@footgroup#1}{%
9472 \def\baselinestretch{\m@m@footnote@spacing}%
9473 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9474 \m@r@rigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
9475 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9476 \@namedef{@mpfourcol@footgroup#1}{%
9477 \def\baselinestretch{\m@m@footnote@spacing}%
9478 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9479 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{4}{\splittopskip}}}%
9480 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9481 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9482 \@bidi@before@Hy@hyperfootnotes
9483 \let\@footnotetext\@fivecolfootnotetext
9484 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9485 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9486 \dimen\footinsv@r=5\footinsdim
9487 \count\footinsv@r=200\relax

```



```

9488 \m@make@fivecol@footgroup{v@r}%
9489 \let\@footgroupv@r\@fivecol@footgroupv@r
9490 \let\@mpfootnotetext\@mpfivecolfootnotetext
9491 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9492 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9493 \@bidi@after@Hy@hyperfootnotes
9494 \m@make@mpfivecol@footgroup{v@r}%
9495 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
9496 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9497 }
9498 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9499 \def\baselinestretch{\m@m@footnote@spacing}%
9500 \reset@font\foottextfont
9501 \@preamfntext
9502 \protected@edef\@currentlabel{%
9503 \csname p@footnote\endcsname\@thefnmark}%
9504 \color@begingroup
9505 \@fivecolfootfmt{#1}%
9506 \color@endgroup}%
9507 \m@mmf@prepare}
9508 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9509 \def\baselinestretch{\m@m@footnote@spacing}%
9510 \reset@font\LTRfoottextfont
9511 \@preamfntext
9512 \protected@edef\@currentlabel{%
9513 \csname p@footnote\endcsname\@thefnmark}%
9514 \color@begingroup
9515 \@fivecolLTRfootfmt{#1}%
9516 \color@endgroup}%
9517 \m@mmf@prepare}
9518 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9519 \def\baselinestretch{\m@m@footnote@spacing}%
9520 \reset@font\RTLfoottextfont
9521 \@preamfntext
9522 \protected@edef\@currentlabel{%
9523 \csname p@footnote\endcsname\@thefnmark}%
9524 \color@begingroup
9525 \@fivecolRTLfootfmt{#1}%
9526 \color@endgroup}%
9527 \m@mmf@prepare}
9528 \bidi@ensure@newcommand{\@preamfivefmt}{%
9529 \hspace .2\hspace
9530 \parindent=\z@
9531 \tolerance=5000\relax
9532 \leavevmode}
9533 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9534 \@preamfivefmt
9535 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9536 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9537 \@preamfivefmt

```



```

9538 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9539 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9540 \@preamfivefmt
9541 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9542 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9543 \global\setbox\@mpfootinsv@r\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9544 \unvbox\@mpfootinsv@r
9545 \def\baselinestretch{\m@m@footnote@spacing}%
9546 \reset@font\foottextfont
9547 \hsize\columnwidth \@parboxrestore
9548 \protected@edef\@currentlabel{%
9549 \csname p@mpfootnote\endcsname\@thefnmark}%
9550 \color@begingroup
9551 \@fivecolfootfmt{#1}%
9552 \color@endgroup}%
9553 \m@mmf@prepare}
9554 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9555 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9556 \unvbox\@mpfootinsv@r
9557 \def\baselinestretch{\m@m@footnote@spacing}%
9558 \reset@font\LTRfoottextfont
9559 \hsize\columnwidth \@parboxrestore
9560 \ifRTLcolumnfootnotes\beginL\fi
9561 \protected@edef\@currentlabel{%
9562 \csname p@mpfootnote\endcsname\@thefnmark}%
9563 \color@begingroup
9564 \@fivecolLTRfootfmt{#1}%
9565 \color@endgroup}%
9566 \m@mmf@prepare}
9567 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9568 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9569 \unvbox\@mpfootinsv@r
9570 \def\baselinestretch{\m@m@footnote@spacing}%
9571 \reset@font\RTLfoottextfont
9572 \hsize\columnwidth \@parboxrestore
9573 \protected@edef\@currentlabel{%
9574 \csname p@mpfootnote\endcsname\@thefnmark}%
9575 \color@begingroup
9576 \@fivecolRTLfootfmt{#1}%
9577 \color@endgroup}%
9578 \m@mmf@prepare}
9579 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9580 \@namedef{@fivecol@footgroup#1}{%
9581 \def\baselinestretch{\m@m@footnote@spacing}%
9582 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9583 \m@r rigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
9584 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9585 \@namedef{@mpfivecol@footgroup#1}{%
9586 \def\baselinestretch{\m@m@footnote@spacing}%
9587 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

9588 \m@mrigidbodybalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}
9589 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9590 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9591 \@bidi@before@Hy@hyperfootnotes
9592 \let\@footnotetext\@sixcolfootnotetext
9593 \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9594 \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9595 \dimen\footinsv@r=6\footinsdim
9596 \count\footinsv@r=166\relax
9597 \m@make@sixcol@footgroup{v@r}%
9598 \let\@footgroupv@r\@sixcol@footgroupv@r
9599 \let\@mpfootnotetext\@mpsixcolfootnotetext
9600 \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9601 \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9602 \@bidi@after@Hy@hyperfootnotes
9603 \m@make@mpsixcol@footgroup{v@r}%
9604 \let\mp@footgroupv@r\@mpsixcol@footgroupv@r
9605 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9606 }
9607 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9608 \def\baselinestretch{\m@m@footnote@spacing}%
9609 \reset@font\foottextfont
9610 \@preamfntext
9611 \protected@edef\@currentlabel{%
9612 \csname p@footnote\endcsname\@thefnmark}%
9613 \color@begingroup
9614 \@sixcolfootfmt{#1}%
9615 \color@endgroup}%
9616 \m@mmf@prepare}
9617 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9618 \def\baselinestretch{\m@m@footnote@spacing}%
9619 \reset@font\LTRfoottextfont
9620 \@preamfntext
9621 \protected@edef\@currentlabel{%
9622 \csname p@footnote\endcsname\@thefnmark}%
9623 \color@begingroup
9624 \@sixcolLTRfootfmt{#1}%
9625 \color@endgroup}%
9626 \m@mmf@prepare}
9627 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9628 \def\baselinestretch{\m@m@footnote@spacing}%
9629 \reset@font\RTLfoottextfont
9630 \@preamfntext
9631 \protected@edef\@currentlabel{%
9632 \csname p@footnote\endcsname\@thefnmark}%
9633 \color@begingroup
9634 \@sixcolRTLfootfmt{#1}%
9635 \color@endgroup}%
9636 \m@mmf@prepare}
9637 \bidi@ensure@newcommand{\@preamsixfmt}{%

```





```

9638 \hsize .16\hsize
9639 \parindent=\z@
9640 \tolerance=5000\relax
9641 \leavevmode}
9642 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9643 \@preamsixfmt
9644 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9645 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9646 \@preamsixfmt
9647 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9648 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9649 \@preamsixfmt
9650 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9651 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
9652 \global\setbox\@mpfootinsv@r\vbox{%
9653 \unvbox\@mpfootinsv@r
9654 \def\baselinestretch{\m@m@footnote@spacing}%
9655 \reset@font\foottextfont
9656 \hsize\columnwidth \@parboxrestore
9657 \protected@edef\@currentlabel{%
9658 \csname p@mpfootnote\endcsname\@thefnmark}%
9659 \color@begingroup
9660 \@sixcolfootfmt{#1}%
9661 \color@endgroup}%
9662 \m@m@m@prepare}
9663 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
9664 \global\setbox\@mpfootinsv@r\vbox{%
9665 \unvbox\@mpfootinsv@r
9666 \def\baselinestretch{\m@m@footnote@spacing}%
9667 \reset@font\LTRfoottextfont
9668 \hsize\columnwidth \@parboxrestore
9669 \if@RTLcolumnfootnotes\beginL\fi
9670 \protected@edef\@currentlabel{%
9671 \csname p@mpfootnote\endcsname\@thefnmark}%
9672 \color@begingroup
9673 \@sixcolLTRfootfmt{#1}%
9674 \color@endgroup}%
9675 \m@m@m@prepare}
9676 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
9677 \global\setbox\@mpfootinsv@r\vbox{%
9678 \unvbox\@mpfootinsv@r
9679 \def\baselinestretch{\m@m@footnote@spacing}%
9680 \reset@font\RTLfoottextfont
9681 \hsize\columnwidth \@parboxrestore
9682 \protected@edef\@currentlabel{%
9683 \csname p@mpfootnote\endcsname\@thefnmark}%
9684 \color@begingroup
9685 \@sixcolRTLfootfmt{#1}%
9686 \color@endgroup}%
9687 \m@m@m@prepare}

```



```

9688 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9689   \@namedef{@sixcol@footgroup#1}{%
9690     \def\baselinestretch{\m@m@footnote@spacing}%
9691     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9692     \m@r@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
9693 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
9694   \@namedef{@mpsixcol@footgroup#1}{%
9695     \def\baselinestretch{\m@m@footnote@spacing}%
9696     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9697     \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}%
9698 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9699   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9700   \@bidi@before@Hy@hyperfootnotes
9701   \let\@footnotetext\@sevendcolfootnotetext
9702   \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9703   \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9704   \dimen\footinsv@r=7\footinsdim
9705   \count\footinsv@r=142\relax
9706   \m@make@sevendcol@footgroup{v@r}%
9707   \let\@footgroupv@r\@sevendcol@footgroupv@r
9708   \let\@mpfootnotetext\@mpsevendcolfootnotetext
9709   \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9710   \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9711   \@bidi@after@Hy@hyperfootnotes
9712   \m@make@mpsevendcol@footgroup{v@r}%
9713   \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
9714   \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9715 }
9716 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9717   \def\baselinestretch{\m@m@footnote@spacing}%
9718   \reset@font\foottextfont
9719   \@preamfntext
9720   \protected@edef\@currentlabel{%
9721     \csname p@footnote\endcsname\@thefnmark}%
9722   \color@begingroup
9723     \@sevendcolfootfmt{#1}%
9724   \color@endgroup}%
9725   \m@m@mmf@prepare}
9726 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTL@columnfootnote%
9727   \def\baselinestretch{\m@m@footnote@spacing}%
9728   \reset@font\LTRfoottextfont
9729   \@preamfntext
9730   \protected@edef\@currentlabel{%
9731     \csname p@footnote\endcsname\@thefnmark}%
9732   \color@begingroup
9733     \@sevendcolLTRfootfmt{#1}%
9734   \color@endgroup}%
9735   \m@m@mmf@prepare}
9736 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9737   \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9738 \reset@font\RTLfoottextfont
9739 \@preamfntext
9740 \protected@edef\@currentlabel{%
9741   \csname p@footnote\endcsname\@thefnmark}%
9742 \color@begingroup
9743   \@sevenscolRTLfootfmt{#1}%
9744 \color@endgroup}%
9745 \m@mmf@prepare}
9746 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9747   \hspace .142\hspace
9748   \parindent=\z@
9749   \tolerance=5000\relax
9750   \leavevmode}
9751 \bidi@ensure@newcommand{\@sevenscolfootfmt}[1]{%
9752   \@preamsevenfmt
9753   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9754 \bidi@ensure@newcommand{\@sevenscolLTRfootfmt}[1]{%
9755   \@preamsevenfmt
9756   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9757 \bidi@ensure@newcommand{\@sevenscolRTLfootfmt}[1]{%
9758   \@preamsevenfmt
9759   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9760 \bidi@ensure@newcommand{\@mpsevenscolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9761   \global\setbox\@mpfootinsv@r\vbox{%
9762     \unvbox\@mpfootinsv@r
9763     \def\baselinestretch{\m@m@footnote@spacing}%
9764     \reset@font\foottextfont
9765     \hspace\columnwidth \@parboxrestore
9766     \protected@edef\@currentlabel{%
9767       \csname p@mpfootnote\endcsname\@thefnmark}%
9768     \color@begingroup
9769       \@sevenscolfootfmt{#1}%
9770     \color@endgroup}%
9771     \m@mmf@prepare}
9772 \bidi@ensure@newcommand{\@mpsevenscolLTRfootnotetext}[1]{\@RTLfalse%
9773   \global\setbox\@mpfootinsv@r\vbox{%
9774     \unvbox\@mpfootinsv@r
9775     \def\baselinestretch{\m@m@footnote@spacing}%
9776     \reset@font\LTRfoottextfont
9777     \hspace\columnwidth \@parboxrestore
9778     \if@RTLcolumnfootnotes\beginL\fi
9779     \protected@edef\@currentlabel{%
9780       \csname p@mpfootnote\endcsname\@thefnmark}%
9781     \color@begingroup
9782       \@sevenscolLTRfootfmt{#1}%
9783     \color@endgroup}%
9784     \m@mmf@prepare}
9785 \bidi@ensure@newcommand{\@mpsevenscolRTLfootnotetext}[1]{\@RTLtrue%
9786   \global\setbox\@mpfootinsv@r\vbox{%
9787     \unvbox\@mpfootinsv@r

```



```

9788 \def\baselinestretch{\m@m@footnote@spacing}%
9789 \reset@font\RTLfoottextfont
9790 \hsize\columnwidth \@parboxrestore
9791 \protected@edef\@currentlabel{%
9792 \csname p@mpfootnote\endcsname\@thefnmark}%
9793 \color@begingroup
9794 \@sevendcolRTLfootfmt{#1}%
9795 \color@endgroup}%
9796 \m@mmf@prepare}
9797 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
9798 \@namedef{@sevendcol@footgroup#1}{%
9799 \def\baselinestretch{\m@m@footnote@spacing}%
9800 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9801 \m@r rigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}}
9802 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%
9803 \@namedef{@mpsevendcol@footgroup#1}{%
9804 \def\baselinestretch{\m@m@footnote@spacing}%
9805 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9806 \m@r rigidbalance{\@nameuse{mpfootins#1}}{7}{\splittopskip}}}}
9807 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9808 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9809 \@bidi@before@Hy@hyperfootnotes
9810 \let\@footnotetext\@eightcolfootnotetext
9811 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9812 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9813 \dimen\footinsv@r=8\footinsdim
9814 \count\footinsv@r=125\relax
9815 \m@make@eightcol@footgroup{v@r}%
9816 \let\@footgroupv@r\@eightcol@footgroupv@r
9817 \let\@mpfootnotetext\@mpeightcolfootnotetext
9818 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9819 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9820 \@bidi@after@Hy@hyperfootnotes
9821 \m@make@mpeightcol@footgroup{v@r}%
9822 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r
9823 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9824 }
9825 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9826 \def\baselinestretch{\m@m@footnote@spacing}%
9827 \reset@font\foottextfont
9828 \@preamfntext
9829 \protected@edef\@currentlabel{%
9830 \csname p@footnote\endcsname\@thefnmark}%
9831 \color@begingroup
9832 \@eightcolfootfmt{#1}%
9833 \color@endgroup}%
9834 \m@mmf@prepare}
9835 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9836 \def\baselinestretch{\m@m@footnote@spacing}%
9837 \reset@font\LTRfoottextfont

```



```

9838 \@preamfntext
9839 \protected@edef\@currentlabel{%
9840   \csname p@footnote\endcsname\@thefnmark}%
9841 \color@begingroup
9842   \@eightcolLTRfootfmt{#1}%
9843 \color@endgroup}%
9844 \m@mmf@prepare}
9845 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9846 \def\baselinestretch{\m@m@footnote@spacing}%
9847 \reset@font\RTLfoottextfont
9848 \@preamfntext
9849 \protected@edef\@currentlabel{%
9850   \csname p@footnote\endcsname\@thefnmark}%
9851 \color@begingroup
9852   \@eightcolRTLfootfmt{#1}%
9853 \color@endgroup}%
9854 \m@mmf@prepare}
9855 \bidi@ensure@newcommand{\@preameightfmt}{%
9856 \hspace .125\hspace
9857 \parindent=\z@
9858 \tolerance=5000\relax
9859 \leavevmode}
9860 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9861 \@preameightfmt
9862 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9863 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9864 \@preameightfmt
9865 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9866 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9867 \@preameightfmt
9868 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9869 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9870 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9871   \unvbox\@mpfootinsv@r
9872   \def\baselinestretch{\m@m@footnote@spacing}%
9873   \reset@font\foottextfont
9874   \hspace\columnwidth \@parboxrestore
9875   \protected@edef\@currentlabel{%
9876     \csname p@mpfootnote\endcsname\@thefnmark}%
9877   \color@begingroup
9878     \@eightcolfootfmt{#1}%
9879   \color@endgroup}%
9880 \m@mmf@prepare}
9881 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9882 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9883   \unvbox\@mpfootinsv@r
9884   \def\baselinestretch{\m@m@footnote@spacing}%
9885   \reset@font\LTRfoottextfont
9886   \hspace\columnwidth \@parboxrestore
9887   \if@RTLcolumnfootnotes\beginL\fi

```



```

9888   \protected@edef\@currentlabel{%
9889     \csname p@mpfootnote\endcsname\@thefnmark}%
9890   \color@begingroup
9891     \@eightcolLTRfootfmt{#1}%
9892   \color@endgroup}%
9893   \m@mmf@prepare}
9894 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9895   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9896     \unvbox\@mpfootinsv@r
9897     \def\baselinestretch{\m@m@footnote@spacing}%
9898     \reset@font\RTLfoottextfont
9899     \hsize\columnwidth \@parboxrestore
9900     \protected@edef\@currentlabel{%
9901       \csname p@mpfootnote\endcsname\@thefnmark}%
9902   \color@begingroup
9903     \@eightcolRTLfootfmt{#1}%
9904   \color@endgroup}%
9905   \m@mmf@prepare}
9906 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9907   \@namedef{@eightcol@footgroup#1}{%
9908     \def\baselinestretch{\m@m@footnote@spacing}%
9909     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9910     \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
9911 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9912   \@namedef{@mpeightcol@footgroup#1}{%
9913     \def\baselinestretch{\m@m@footnote@spacing}%
9914     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9915     \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}%
9916 \bidi@ensure@newcommand{\nincolumnfootnotes}{%
9917   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9918   \@bidi@before@Hy@hyperfootnotes
9919   \let\@footnotetext\@nincolfootnotetext
9920   \let\@LTRfootnotetext\@nincolLTRfootnotetext
9921   \let\@RTLfootnotetext\@nincolRTLfootnotetext
9922   \dimen\footinsv@r=9\footinsdim
9923   \count\footinsv@r=111\relax
9924   \m@make@nincol@footgroup{v@r}%
9925   \let\@footgroupv@r\@nincol@footgroupv@r
9926   \let\@mpfootnotetext\@mpnincolfootnotetext
9927   \let\@mpLTRfootnotetext\@mpnincolLTRfootnotetext
9928   \let\@mpRTLfootnotetext\@mpnincolRTLfootnotetext
9929   \@bidi@after@Hy@hyperfootnotes
9930   \m@make@mpnincol@footgroup{v@r}%
9931   \let\mp@footgroupv@r\@mpnincol@footgroupv@r
9932   \ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
9933 }
9934 \bidi@ensure@newcommand{\@nincolfootnotetext}[1]{\insert\footinsv@r{\ifRTL@footnote\@RTLtrue
9935   \def\baselinestretch{\m@m@footnote@spacing}%
9936   \reset@font\foottextfont
9937   \@preamfntext

```



```

9938 \protected@edef\@currentlabel{%
9939   \csname p@footnote\endcsname\@thefnmark}%
9940 \color@begingroup
9941   \@ninecolfootfmt{#1}%
9942 \color@endgroup}%
9943 \m@mmf@prepare}
9944 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
9945 \def\baselinestretch{\m@m@footnote@spacing}%
9946 \reset@font\LTRfoottextfont
9947 \@preamfntext
9948 \protected@edef\@currentlabel{%
9949   \csname p@footnote\endcsname\@thefnmark}%
9950 \color@begingroup
9951   \@ninecolLTRfootfmt{#1}%
9952 \color@endgroup}%
9953 \m@mmf@prepare}
9954 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9955 \def\baselinestretch{\m@m@footnote@spacing}%
9956 \reset@font\RTLfoottextfont
9957 \@preamfntext
9958 \protected@edef\@currentlabel{%
9959   \csname p@footnote\endcsname\@thefnmark}%
9960 \color@begingroup
9961   \@ninecolRTLfootfmt{#1}%
9962 \color@endgroup}%
9963 \m@mmf@prepare}
9964 \bidi@ensure@newcommand{\@preamninefmt}{%
9965 \hspace .1\hspace
9966 \parindent=\z@
9967 \tolerance=5000\relax
9968 \leavevmode}
9969 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9970 \@preamninefmt
9971 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9972 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9973 \@preamninefmt
9974 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9975 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
9976 \@preamninefmt
9977 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9978 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
9979 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9980 \unvbox\@mpfootinsv@r
9981 \def\baselinestretch{\m@m@footnote@spacing}%
9982 \reset@font\foottextfont
9983 \hspace\columnwidth \@parboxrestore
9984 \protected@edef\@currentlabel{%
9985   \csname p@mpfootnote\endcsname\@thefnmark}%
9986 \color@begingroup
9987   \@ninecolfootfmt{#1}%

```



```

9988 \color@endgroup}%
9989 \m@mmf@prepare}
9990 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
9991 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9992 \unvbox\@mpfootinsv@r
9993 \def\baselinestretch{\m@m@footnote@spacing}%
9994 \reset@font\LTRfoottextfont
9995 \hsize\columnwidth \@parboxrestore
9996 \if@RTLcolumnfootnotes\beginL\fi
9997 \protected@edef\@currentlabel{%
9998 \csname p@mpfootnote\endcsname\@thefnmark}%
9999 \color@begingroup
10000 \@ninecolLTRfootfmt{#1}%
10001 \color@endgroup}%
10002 \m@mmf@prepare}
10003 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
10004 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10005 \unvbox\@mpfootinsv@r
10006 \def\baselinestretch{\m@m@footnote@spacing}%
10007 \reset@font\RTLfoottextfont
10008 \hsize\columnwidth \@parboxrestore
10009 \protected@edef\@currentlabel{%
10010 \csname p@mpfootnote\endcsname\@thefnmark}%
10011 \color@begingroup
10012 \@ninecolRTLfootfmt{#1}%
10013 \color@endgroup}%
10014 \m@mmf@prepare}
10015 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
10016 \@namedef{@ninecol@footgroup#1}{%
10017 \def\baselinestretch{\m@m@footnote@spacing}%
10018 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10019 \m@r@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
10020 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
10021 \@namedef{@mpninecol@footgroup#1}{%
10022 \def\baselinestretch{\m@m@footnote@spacing}%
10023 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10024 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
10025 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
10026 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10027 \@bidi@before@Hy@hyperfootnotes
10028 \let\@footnotetext\@tencolfootnotetext
10029 \let\@LTRfootnotetext\@tencolLTRfootnotetext
10030 \let\@RTLfootnotetext\@tencolRTLfootnotetext
10031 \dimen\footinsv@r=10\footinsdim
10032 \count\footinsv@r=100\relax
10033 \m@make@tencol@footgroup{v@r}%
10034 \let\@footgroupv@r\@tencol@footgroupv@r
10035 \let\@mpfootnotetext\@mptencolfootnotetext
10036 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
10037 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext

```





```

10038 \bidi@after@Hy@hyperfootnotes
10039 \m@make@mptencol@footgroup{v@r}%
10040 \let\mp@footgroupv@r\@mptencol@footgroupv@r
10041 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10042 }
10043 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10044 \def\baselinestretch{\m@m@footnote@spacing}%
10045 \reset@font\foottextfont
10046 \@preamfntext
10047 \protected@edef\@currentlabel{%
10048 \csname p@footnote\endcsname\@thefnmark}%
10049 \color@begingroup
10050 \@tencolfootfmt{#1}%
10051 \color@endgroup}%
10052 \m@mmf@prepare}
10053 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTL@columnfootnotes%
10054 \def\baselinestretch{\m@m@footnote@spacing}%
10055 \reset@font\LTRfoottextfont
10056 \@preamfntext
10057 \protected@edef\@currentlabel{%
10058 \csname p@footnote\endcsname\@thefnmark}%
10059 \color@begingroup
10060 \@tencolLTRfootfmt{#1}%
10061 \color@endgroup}%
10062 \m@mmf@prepare}
10063 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10064 \def\baselinestretch{\m@m@footnote@spacing}%
10065 \reset@font\RTLfoottextfont
10066 \@preamfntext
10067 \protected@edef\@currentlabel{%
10068 \csname p@footnote\endcsname\@thefnmark}%
10069 \color@begingroup
10070 \@tencolRTLfootfmt{#1}%
10071 \color@endgroup}%
10072 \m@mmf@prepare}
10073 \bidi@ensure@newcommand{\@preamtenfmt}{%
10074 \hspace .1\hspace
10075 \parindent=\z@
10076 \tolerance=5000\relax
10077 \leavevmode}
10078 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10079 \@preamtenfmt
10080 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10081 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10082 \@preamtenfmt
10083 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10084 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10085 \@preamtenfmt
10086 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10087 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%

```



```

10088 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10089 \unvbox\@mpfootinsv@r
10090 \def\baselinestretch{\m@m@footnote@spacing}%
10091 \reset@font\foottextfont
10092 \hsize\columnwidth \@parboxrestore
10093 \protected@edef\@currentlabel{%
10094 \csname p@mpfootnote\endcsname\@thefnmark}%
10095 \color@begingroup
10096 \@tencolfootfmt{#1}%
10097 \color@endgroup}%
10098 \m@m@mmf@prepare}
10099 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10100 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10101 \unvbox\@mpfootinsv@r
10102 \def\baselinestretch{\m@m@footnote@spacing}%
10103 \reset@font\LTRfoottextfont
10104 \hsize\columnwidth \@parboxrestore
10105 \if@RTLcolumnfootnotes\beginL\fi
10106 \protected@edef\@currentlabel{%
10107 \csname p@mpfootnote\endcsname\@thefnmark}%
10108 \color@begingroup
10109 \@tencolLTRfootfmt{#1}%
10110 \color@endgroup}%
10111 \m@m@mmf@prepare}
10112 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10113 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10114 \unvbox\@mpfootinsv@r
10115 \def\baselinestretch{\m@m@footnote@spacing}%
10116 \reset@font\RTLfoottextfont
10117 \hsize\columnwidth \@parboxrestore
10118 \protected@edef\@currentlabel{%
10119 \csname p@mpfootnote\endcsname\@thefnmark}%
10120 \color@begingroup
10121 \@tencolRTLfootfmt{#1}%
10122 \color@endgroup}%
10123 \m@m@mmf@prepare}
10124 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10125 \@namedef{@tencol@footgroup#1}{%
10126 \def\baselinestretch{\m@m@footnote@spacing}%
10127 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10128 \m@m@rigidbalance{\@nameuse{footins#1}}{10}{\splittopskip}}}%
10129 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10130 \@namedef{@mptencol@footgroup#1}{%
10131 \def\baselinestretch{\m@m@footnote@spacing}%
10132 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10133 \m@m@rigidbalance{\@nameuse{@mpfootins#1}}{10}{\splittopskip}}}%
10134 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10135 \setbox0=\vbox{\unvbox#1%
10136 \global\setbox1=\lastbox}%
10137 \unhbox1

```



```

10138 \unskip
10139 \unskip
10140 \unpenalty
10141 \hskip\m@mipn@skip}
10142 \bidi@ensure@newcommand{\m@mungebox}{%
10143 \setbox0=\hbox{\m@munvxh0}%
10144 \dp0=\z@
10145 \ht0=\footfudgefactor\wd0
10146 \box0
10147 \penalty0}
10148 \newskip\m@mipn@skip
10149 \bidi@ensure@newcommand*{\m@minterparanoteglu}[1]{%
10150 {\foottextfont\global\m@mipn@skip=#1\relax}}
10151 \m@minterparanoteglu{1em plus.4em minus.4em}
10152 \ifpackageloaded{multicol}{%
10153 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10154 \hsize\textwidth%
10155 \setbox0=\hbox{}%
10156 \loop
10157 \unpenalty
10158 \setbox2=\lastbox
10159 \ifhbox2
10160 \setbox0=\hbox{\box2\unhbox0}
10161 \repeat}
10162 }{%
10163 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10164 \setbox0=\hbox{}%
10165 \loop
10166 \unpenalty
10167 \setbox2=\lastbox
10168 \ifhbox2
10169 \setbox0=\hbox{\box2\unhbox0}
10170 \repeat}}
10171 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10172 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10173 \newcommand*{AddExtraParaSkip[1]}{%
10174 \if@bidi@csdef{footfudgefactor}{%
10175 \PackageError{bidi}{%
10176 The control sequence `string\AddExtraParaSkip`
10177 must be used before the control sequence
10178 `string\paragraphfootnotes' in the preamble%
10179 }\@ehc
10180 }{%
10181 \def\bidi@xparaskip{\advance\@tempdima#1\relax}%
10182 }%
10183 }
10184 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10185 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10186 \@bidi@before@Hy@hyperfootnotes
10187 \let\@footnotetext\@parafootnotetext

```



```

10188 \let\@LTRfootnotetext\@paraLTRfootnotetext
10189 \let\@RTLfootnotetext\@paraRTLfootnotetext
10190 \dimen\footinsv@r=\footinsdim
10191 \count\footinsv@r=1000\relax
10192 \m@make@para@footgroup{v@r}%
10193 \m@make@para@footstart{v@r}%
10194 \let\@footgroupv@r\@para@footgroupv@r
10195 \let\@footstartv@r\@para@footstartv@r
10196 \dimen\footinsv@l=\footinsdim
10197 \count\footinsv@l=1000\relax
10198 \bidi@make@para@LTRfootgroup{v@l}%
10199 \m@make@para@footstart{v@l}%
10200 \bidi@make@para@footstart@@{v@l}%
10201 \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10202 \let\@footstartv@l\@para@footstartv@l
10203 \let\@@footstart@@v@l\@@para@footstart@@v@l
10204 \let\@mpfootnotetext\@mpparafootnotetext
10205 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10206 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10207 \@bidi@after@Hy@hyperfootnotes
10208 \m@make@mppara@footgroup{v@r}%
10209 \bidi@make@mppara@LTRfootgroup{v@l}%
10210 \let\mp@footgroupv@r\@mppara@footgroupv@r
10211 \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10212 \begingroup
10213 \def\baselinestretch{\m@footnote@spacing}%
10214 \foottextfont
10215 \@tempdima\footnotesep
10216 \advance\@tempdima -\ht\strutbox
10217 \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
10218 \advance\@tempdima.5\normalbaselineskip
10219 \bidi@xparaskip
10220 \xdef\bidi@paraskip{\the\@tempdima\relax}%
10221 \ifdim\skip\footinsv@r>\bigskipamount
10222 \else
10223 \global\advance\skip\footinsv@r\bidi@paraskip
10224 \fi
10225 \ifdim\skip\footinsv@l>\bigskipamount
10226 \else
10227 \global\advance\skip\footinsv@l\bidi@paraskip
10228 \fi
10229 \@tempdima\normalbaselineskip
10230 \multiply \@tempdima \@cclvi
10231 \@tempdimb \columnwidth
10232 \divide \@tempdimb \@cclvi
10233 \divide \@tempdima \@tempdimb
10234 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10235 \endgroup
10236 \@ifstar\bidi@star@footmarkwidth\bidi@normal@footmarkwidth
10237 }

```



```

10238 \newcommand{\normalRTLparaLTRfootnotes}{%
10239   \@namedef{foottextfontv@r}{\foottextfont}%
10240   \@bidi@before@Hy@hyperfootnotes
10241   \if@RTL@footnote
10242     \let\@footnotetext\m@old@footnotetext
10243   \else
10244     \let\@footnotetext\@parafootnotetext
10245   \fi
10246   \let\@LTRfootnotetext\@paraLTRfootnotetext
10247   \let\@RTLfootnotetext\m@old@RTLfootnotetext
10248   \dimen\footinsv@r=\footinsdim
10249   \count\footinsv@r=1000\relax
10250   \m@make@para@footgroup{v@r}%
10251   \m@make@para@footstart{v@r}%
10252   \let\@footgroupv@r\@para@footgroupv@r
10253   \let\@footstartv@r\@para@footstartv@r
10254   \dimen\footinsv@l=\footinsdim
10255   \count\footinsv@l=1000\relax
10256   \bidi@make@para@LTRfootgroup{v@l}%
10257   \m@make@para@footstart{v@l}%
10258   \bidi@make@para@footstart@{v@l}%
10259   \let\@LTRfootgroupv@l\@para@LTRfootgroupv@l
10260   \let\@footstartv@l\@para@footstartv@l
10261   \let\@@footstart@v@l\@para@footstart@v@l
10262   \if@RTL@footnote
10263     \let\@mpfootnotetext\m@old@mpfootnotetext
10264   \else
10265     \let\@mpfootnotetext\@mpparafootnotetext
10266   \fi
10267   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10268   \let\@mpRTLfootnotetext\m@old@mpRTLfootnotetext
10269   \@bidi@after@Hy@hyperfootnotes
10270   \m@make@mppara@footgroup{v@r}%
10271   \bidi@make@mppara@LTRfootgroup{v@l}%
10272   \let\mp@footgroupv@r\@mppara@footgroupv@r
10273   \let\mp@LTRfootgroupv@l\@mppara@LTRfootgroupv@l
10274   \begingroup
10275   \def\baselinestretch{\m@f@footnote@spacing}%
10276   \foottextfont
10277   \@tempdima\footnotesep
10278   \advance\@tempdima -\ht\strutbox
10279   \ifdim\@tempdima<\z@ \@tempdima\z@ \fi
10280   \advance\@tempdima.5\normalbaselineskip
10281   \bidi@xparaskip
10282   \xdef\bidi@paraskip{\the\@tempdima\relax}%
10283   \ifdim\skip\footinsv@r>\bigskipamount
10284   \else
10285     \global\advance\skip\footinsv@r\bidi@paraskip
10286   \fi
10287   \ifdim\skip\footinsv@l>\bigskipamount

```



```

10288 \else
10289 \global\advance\skip\footinsv@l\ bidi@paraskip
10290 \fi
10291 \@tempdima\normalbaselineskip
10292 \multiply \@tempdima \@cclvi
10293 \@tempdimb \columnwidth
10294 \divide \@tempdimb \@cclvi
10295 \divide \@tempdima \@tempdimb
10296 \xdef\footfudgefactor{\strip@pt\@tempdima}%
10297 \endgroup
10298 \@ifstar\ bidi@star@footmarkwidth\ bidi@normal@footmarkwidth
10299 }
10300 \let\ bidi@xparaskip\relax
10301 \@onlypreamble\AddExtraParaSkip
10302 \ bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert
10303 \if@RTL@footnote
10304 \footinsv@r
10305 \else
10306 \footinsv@l
10307 \fi
10308 {%
10309 \let\ bidi@RTL@everypar\@empty%
10310 \def\baselinestretch{\m@m@footnote@spacing}%
10311 \reset@font\foottextfont
10312 \@preamfntext
10313 \protected@edef\@currentlabel{%
10314 \csname p@footnote\endcsname\@thefnmark}%
10315 \setbox0=\vbox{\hsize=\maxdimen
10316 \color@begingroup
10317 \noindent \@parafootfmt{#1}%
10318 \color@endgroup}%
10319 \m@mungebox}\m@mmf@prepare}
10320 \ bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@l{%
10321 \let\ bidi@RTL@everypar\@empty%
10322 \def\baselinestretch{\m@m@footnote@spacing}%
10323 \reset@font\LTRfoottextfont
10324 \@preamfntext
10325 \protected@edef\@currentlabel{%
10326 \csname p@footnote\endcsname\@thefnmark}%
10327 \setbox0=\vbox{\hsize=\maxdimen
10328 \color@begingroup
10329 \noindent \@paraLTRfootfmt{#1}%
10330 \color@endgroup}%
10331 \m@mungebox}\m@mmf@prepare}
10332 \ bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10333 \let\ bidi@RTL@everypar\@empty%
10334 \def\baselinestretch{\m@m@footnote@spacing}%
10335 \reset@font\RTLfoottextfont
10336 \@preamfntext
10337 \protected@edef\@currentlabel{%

```



```

10338   \csname p@footnote\endcsname\@thefnmark}%
10339   \setbox0=\vbox{\hsize=\maxdimen
10340     \color@begingroup
10341     \noindent \@paraRTLfootfmt{#1}%
10342     \color@endgroup}%
10343   \m@mungebox}\m@mmf@prepare}
10344 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10345   \parindent=\z@
10346   \parfillskip=0pt \@plus 1fil
10347   {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10348 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10349   \parindent=\z@
10350   \parfillskip=0pt \@plus 1fil
10351   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10352 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10353   \parindent=\z@
10354   \parfillskip=0pt \@plus 1fil
10355   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10356 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10357   \global\setbox
10358   \if@RTL@footnote
10359     \@mpfootinsv@r
10360   \else
10361     \@mpfootinsv@l
10362   \fi
10363   \vbox{%
10364     \let\bidi@RTL@everypar\@empty%
10365     \def\baselinestretch{\m@m@footnote@spacing}%
10366     \unvbox
10367     \if@RTL@footnote
10368       \@mpfootinsv@r
10369     \else
10370       \@mpfootinsv@l
10371     \fi
10372     \reset@font\foottextfont
10373     \hsize\columnwidth \@parboxrestore
10374     \protected@edef\@currentlabel{%
10375       \csname p@mpfootnote\endcsname\@thefnmark}%
10376     \setbox0=\vbox{\hsize=\maxdimen
10377       \color@begingroup
10378       \noindent \@parafootfmt{#1}%
10379       \color@endgroup}%
10380     \m@mungebox}\m@mmf@prepare}
10381 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10382   \global\setbox\@mpfootinsv@l\vbox{%
10383     \let\bidi@RTL@everypar\@empty%
10384     \def\baselinestretch{\m@m@footnote@spacing}%
10385     \unvbox\@mpfootinsv@l
10386     \reset@font\LTRfoottextfont
10387     \hsize\columnwidth \@parboxrestore

```



```

10388 \protected@edef\@currentlabel{%
10389 \csname p@mpfootnote\endcsname\@thefnmark}%
10390 \setbox0=\vbox{\hsize=\maxdimen
10391 \color@begingroup
10392 \noindent \@paraLTRfootfmt{#1}%
10393 \color@endgroup}%
10394 \m@mungebox}\m@mmf@prepare}
10395 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10396 \global\setbox\@mpfootinsv@r\vbox{%
10397 \let\bidi@RTL@everypar\@empty%
10398 \def\baselinestretch{\m@m@footnote@spacing}%
10399 \unvbox\@mpfootinsv@r
10400 \reset@font\RTLfoottextfont
10401 \hsize\columnwidth \@parboxrestore
10402 \protected@edef\@currentlabel{%
10403 \csname p@mpfootnote\endcsname\@thefnmark}%
10404 \setbox0=\vbox{\hsize=\maxdimen
10405 \color@begingroup
10406 \noindent \@paraRTLfootfmt{#1}%
10407 \color@endgroup}%
10408 \m@mungebox}\m@mmf@prepare}
10409 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10410 \@namedef{@para@footgroup#1}{%
10411 \unvbox\@nameuse{footins#1}
10412 \@RTLtrue
10413 \m@mmakehboxofhboxes
10414 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10415 \@parboxrestore%
10416 \def\baselinestretch{\m@m@footnote@spacing}%
10417 \@nameuse{foottextfont#1}%
10418 \noindent\unhbox0\par}}
10419 \bidi@ensure@newcommand{\bidi@make@para@LTRfootgroup}[1]{%
10420 \@namedef{@para@LTRfootgroup#1}{%
10421 \unvbox\@nameuse{footins#1}
10422 \@RTLfalse
10423 \m@mmakehboxofhboxes
10424 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10425 \@parboxrestore%
10426 \def\baselinestretch{\m@m@footnote@spacing}%
10427 \@nameuse{foottextfont#1}%
10428 \noindent\unhbox0\par}}
10429 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10430 \@namedef{@mppara@footgroup#1}{%
10431 \unvbox\@nameuse{@mpfootins#1}
10432 \@RTLtrue
10433 \m@mmakehboxofhboxes
10434 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10435 \def\baselinestretch{\m@m@footnote@spacing}%
10436 \@nameuse{foottextfont#1}%
10437 \noindent\unhbox0\par}}

```





```

10438 \bidi@ensure@newcommand{\bidi@make@mppara@LTRfootgroup}[1]{%
10439 \@namedef{@mppara@LTRfootgroup#1}{%
10440   \unvbox\@nameuse{@mpfootins#1}
10441   \@RTLfalse
10442   \m@mmakehboxofhboxes
10443   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10444   \def\baselinestretch{\m@m@footnote@spacing}%
10445   \@nameuse{foottextfont#1}%
10446   \noindent\unhbox0\par}}
10447 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
10448 \@namedef{@para@footstart#1}{%
10449   \if@bidi@void@footins
10450     \bidi@mopfn@bottom
10451   \fi
10452   \leftskip=\z@
10453   \rightskip=\z@
10454   \parindent=\z@
10455   \vskip\skip\footins
10456   \if@bidi@void@footins
10457     \footnoterule
10458   \fi}}
10459 \bidi@ensure@newcommand{\bidi@make@para@footstart@@}[1]{%
10460 \@namedef{@@para@footstart@@#1}{%
10461   \leftskip=\z@
10462   \rightskip=\z@
10463   \parindent=\z@
10464   \vskip\skip\footins}}
10465 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10466 \xdef\@freelist{\@freelist\@midlist}%
10467 \global\let\@midlist\@empty
10468 \@combinefloats}
10469 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10470 \ifvbox\@kludgeins
10471   \@makespecialcolbox
10472 \else
10473   \setbox\@outputbox \vbox to\@colht{%
10474     \@texttop
10475     \dimen@ \dp\@outputbox
10476     \unvbox \@outputbox
10477     \vskip -\dimen@
10478     \@textbottom}%
10479 \fi}
10480 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
10481 \bidi@ensure@newcommand*{\m@m@opfootnote}{\setbox\@outputbox \vbox{%
10482   \boxmaxdepth\@maxdepth
10483   \@tempdima\dp\@cclv
10484   \unvbox\@cclv
10485   \vskip-\@tempdima
10486   \bidi@mopfn@bottom
10487   \vskip \skip\footins

```



```

10488 \color@begingroup
10489 \normalcolor
10490 \footnoterule
10491 \unvbox \footins
10492 \color@endgroup
10493 }%
10494 }
10495 \newcommand*{\bidi@mopfootnotebf}{%
10496 \setbox\@outputbox \vbox{%
10497 \boxmaxdepth\@maxdepth
10498 \unvbox\@outputbox
10499 \bidi@mopfn@bottom
10500 \vskip\skip\footins
10501 \color@begingroup
10502 \normalcolor
10503 \footnoterule
10504 \unvbox \footins
10505 \color@endgroup
10506 }%
10507 }
10508 \gdef\mem@makecol{%
10509 \m@m@makecolintro
10510 \ifvoid\footins
10511 \global\@bidi@void@footinstrue
10512 \setbox\@outputbox \box\@cclv
10513 \else
10514 \global\@bidi@void@footinsfalse
10515 \m@mopfootnote
10516 \fi
10517 \m@mdoextrafeet
10518 \m@m@makecolfloats
10519 \m@m@makecoltext
10520 \global \maxdepth \@maxdepth}
10521 \gdef\bidi@makecolbf{%
10522 \m@m@makecolintro
10523 \setbox\@outputbox \box\@cclv
10524 \m@m@makecolfloats
10525 \ifvoid\footins
10526 \global\@bidi@void@footinstrue
10527 \else
10528 \global\@bidi@void@footinsfalse
10529 \bidi@mopfootnotebf
10530 \fi
10531 \m@mdoextrafeet
10532 \m@m@makecoltext
10533 \global \maxdepth \@maxdepth}
10534 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10535 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10536 \newcommand{\FeetAtBottom}{\def\bidi@mopfn@bottom{\vfill\relax}}
10537 \newcommand{\FeetBelowRagged}{\let\bidi@mopfn@bottom\relax}

```



```
10538 \FeetAboveFloat
10539 \FeetBelowRagged
```

## 56 File extreport-xetex-bidi.def

```
10540 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10541 \renewcommand*\l@part[2]{%
10542   \ifnum \c@tocdepth >-2\relax
10543     \addpenalty{-\@highpenalty}%
10544     \addvspace{2.25em \@plus\p@}%
10545     \begingroup
10546       \setlength\@tempdima{3em}%
10547       \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
10548       \parfillskip -\@pnumwidth
10549       {\leavevmode
10550         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10551         \nobreak
10552         \global\@nobreaktrue
10553         \everypar{\global\@nobreakfalse\everypar{}}%
10554       \endgroup
10555   \fi}
10556 \renewcommand*\l@chapter[2]{%
10557   \ifnum \c@tocdepth >\m@ne
10558     \addpenalty{-\@highpenalty}%
10559     \vskip 1.0em \@plus\p@
10560     \setlength\@tempdima{1.5em}%
10561     \begingroup
10562       \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
10563       \parfillskip -\@pnumwidth
10564       \leavevmode \bfseries
10565       \advance\ifRTL\rightskip\else\leftskip\fi\@tempdima
10566       \hskip -\ifRTL\rightskip\else\leftskip\fi
10567       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
10568       \penalty\@highpenalty
10569     \endgroup
10570   \fi}
10571 \def\@makechapterhead#1{%
10572   \vspace*{50\p@}%
10573   {\parindent \z@ \ifRTL\raggedleft\else\raggedright\fi \normalfont
10574     \ifnum \c@secnumdepth >\m@ne
10575       \huge\bfseries \@chapapp\space \thechapter
10576       \par\nobreak
10577       \vskip 20\p@
10578     \fi
10579     \interlinepenalty\@M
10580     \Huge \bfseries #1\par\nobreak
10581     \vskip 40\p@
10582   }}
10583 \def\@makeschapterhead#1{%
10584   \vspace*{50\p@}%
```



```

10585 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10586 \normalfont
10587 \interlinepenalty\@M
10588 \Huge \bfseries #1\par\nobreak
10589 \vskip 40\p@
10590 }}
10591 \renewcommand\left@footnoterule{%
10592 \kern-3\p@
10593 \hrule\@width.4\columnwidth
10594 \kern2.6\p@}
10595 \renewcommand\right@footnoterule{%
10596 \kern-3\p@
10597 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10598 \kern2.6\p@}
10599 \renewenvironment{thebibliography}[1]
10600   {\chapter*{\bibname
10601     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10602     \ifRTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10603     \bidi@thebibliography@font@hook%
10604     \list{\@biblabel{\@arabic\c@enumiv}}%
10605       {\settowidth\labelwidth{\@biblabel{#1}}%
10606         \leftmargin\labelwidth
10607         \advance\leftmargin\labelsep
10608         \@openbib@code
10609         \usecounter{enumiv}%
10610         \let\p@enumiv\@empty
10611         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10612     \sloppy\clubpenalty4000\widowpenalty4000%
10613     \sfcode`.\@m}
10614   {\def\@noitemerr
10615     {\@latex@warning{Empty `thebibliography' environment}}%
10616     \endlist}
10617 \if@titlepage
10618 \renewcommand\maketitle{\begin{titlepage}%
10619 \let\footnotesize\small
10620 \let\right@footnoterule\relax
10621 \let\left@footnoterule\relax
10622 \let\textwidth@footnoterule\relax
10623 \let \footnote \thanks
10624 \null\vfil
10625 \vskip 60\p@
10626 \begin{center}%
10627   {\LARGE \@title \par}%
10628   \vskip 3em%
10629   {\large
10630     \lineskip .75em%
10631     \begin{tabular}[t]{c}%
10632       \@author
10633     \end{tabular}\par}%
10634   \vskip 1.5em%

```



```

10635     {\large \@date \par}%           % Set date in \large size.
10636 \end{center}\par
10637 \@thanks
10638 \vfil\null
10639 \end{titlepage}%
10640 \setcounter{footnote}{0}%
10641 \global\let\thanks\relax
10642 \global\let\maketitle\relax
10643 \global\let\@thanks\@empty
10644 \global\let\@author\@empty
10645 \global\let\@date\@empty
10646 \global\let\@title\@empty
10647 \global\let\title\relax
10648 \global\let\author\relax
10649 \global\let\date\relax
10650 \global\let\and\relax
10651 }
10652 \else
10653 \renewcommand\maketitle{\par
10654 \begingroup
10655   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10656   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10657   \long\def\@makefntext##1{\parindent 1em\noindent
10658     \hb@xt@1.8em{%
10659       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10660   \if@twocolumn
10661     \ifnum \col@number=\@ne
10662       \@maketitle
10663     \else
10664       \twocolumn[\@maketitle]%
10665     \fi
10666   \else
10667     \newpage
10668     \global\@topnum\z@ % Prevents figures from going at top of page.
10669     \@maketitle
10670   \fi
10671   \thispagestyle{plain}\@thanks
10672 \endgroup
10673 \setcounter{footnote}{0}%
10674 \global\let\thanks\relax
10675 \global\let\maketitle\relax
10676 \global\let\@maketitle\relax
10677 \global\let\@thanks\@empty
10678 \global\let\@author\@empty
10679 \global\let\@date\@empty
10680 \global\let\@title\@empty
10681 \global\let\title\relax
10682 \global\let\author\relax
10683 \global\let\date\relax
10684 \global\let\and\relax

```



```

10685 }
10686 \def\@maketitle{%
10687   \newpage
10688   \null
10689   \vskip 2em%
10690   \begin{center}%
10691     \let \footnote \thanks
10692     {\LARGE \@title \par}%
10693     \vskip 1.5em%
10694     {\large
10695       \lineskip .5em%
10696       \begin{tabular}[t]{c}%
10697         \@author
10698         \end{tabular}\par}%
10699     \vskip 1em%
10700     {\large \@date}%
10701   \end{center}%
10702   \par
10703   \vskip 1.5em}
10704 \fi
10705 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
10706 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
10707 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
10708 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\c@paragraph}
10709 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
10710 \renewcommand\theequation{%
10711   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
10712 \renewcommand\thefigure{%
10713   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10714 \renewcommand\thetable{%
10715   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

## 57 File fancybox-xetex-bidi.def

```

10716 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10717 \def\fancy@oval#1#2#3{%
10718   \boxmaxdepth \maxdimen
10719   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10720   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10721   \@ovxx#1\relax
10722   \advance\@ovxx-\@wholewidth
10723   \@ovyy#2\relax
10724   \advance\@ovyy-\@wholewidth
10725   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
10726   \advance\@tempdimb-2\p@
10727   \ifdim\@tempdimb>\the@cornersize\relax
10728     \@tempdimb=\the@cornersize
10729   \fi
10730   \@getcirc\@tempdimb
10731   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa

```



```

10732 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10733 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10734 \@circlefnt
10735 \setbox\@tempboxa\hbox{\beginL%
10736   \if@ovr \@ovvert32\kern -\@tempdima \fi
10737   \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10738   \if@ovt \@ovhorz \kern -\@ovxx \fi
10739   \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10740 \advance\@ovdx\@ovro
10741 \advance\@ovdy\@ovro
10742 \advance\@ovxx\@wholewidth
10743 \wd\@tempboxa=\@ovxx
10744 \dp\@tempboxa=\z@}

```

## 58 File fancyhdr-xetex-bidi.def

```

10745 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
10746
10747 \let\f@nch@everypar\everypar
10748
10749 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10750   \f@nch@vbox\headheight{\hbox
10751     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10752     \parbox[b]{\headwidth}{\centering#3}\hfill
10753     \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}\headrule}}#5}
10754
10755 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10756   \f@nch@vbox\footskip{\footrule
10757     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10758     \parbox[t]{\headwidth}{\centering#3}\hfill
10759     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}}#5}
10760

```

## 59 File fix2col-xetex-bidi.def

```

10761 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package]
10762 \def\RTL@outputdblcol{%
10763   \if@firstcolumn
10764     \global\@firstcolumnfalse
10765     \global\setbox\@leftcolumn\copy\@outputbox
10766     \splitmaxdepth\maxdimen
10767     \vbadness\maxdimen
10768     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10769     \toks@\expandafter{\topmark}%
10770     \xdef\@firstcoltopmark{\the\toks@}%
10771     \toks@\expandafter{\splitfirstmark}%
10772     \xdef\@firstcolfirstmark{\the\toks@}%
10773     \ifx\@firstcolfirstmark\@empty
10774       \global\let\@setmarks\relax
10775     \else

```



```

10776     \gdef\@setmarks{%
10777         \let\firstmark\@firstcolfirstmark
10778         \let\topmark\@firstcoltopmark}%
10779     \fi
10780 \else \global\@firstcolumntrue
10781 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10782 \hskip \columnwidth
10783 \hfil \vrule width\columnseprule \hfil
10784 \hbox to\columnwidth {%
10785 \bidi@firstcolumn@status@write%
10786 \box\@leftcolumn \hss}%
10787 \hskip -\textwidth
10788 \hbox to\columnwidth{%
10789 \bidi@lastcolumn@status@write%
10790 \box\@outputbox \hss}%
10791 \hskip \columnsep
10792 \hskip \columnwidth }}%
10793 \@combinedblfloats \@setmarks \@outputpage
10794 \begingroup \@dblfloatplacement \@startdblcolumn
10795 \@whiles\if@fcolmade \fi
10796 {\@outputpage \@startdblcolumn }\endgroup
10797 \fi}
10798 \def\LTR@outputdblcol{%
10799 \if@firstcolumn
10800 \global\@firstcolumnfalse
10801 \global\setbox\@leftcolumn\copy\@outputbox
10802 \splitmaxdepth\maxdimen
10803 \vbadness\maxdimen
10804 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10805 \toks@\expandafter{\topmark}%
10806 \xdef\@firstcoltopmark{\the\toks@}%
10807 \toks@\expandafter{\splitfirstmark}%
10808 \xdef\@firstcolfirstmark{\the\toks@}%
10809 \ifx\@firstcolfirstmark\@empty
10810 \global\let\@setmarks\relax
10811 \else
10812 \gdef\@setmarks{%
10813     \let\firstmark\@firstcolfirstmark
10814     \let\topmark\@firstcoltopmark}%
10815 \fi
10816 \else
10817 \global\@firstcolumntrue
10818 \setbox\@outputbox\vbox{%
10819 \hb@xt@\textwidth{%
10820     \hb@xt@\columnwidth{%
10821         \bidi@firstcolumn@status@write%
10822         \box\@leftcolumn \hss}%
10823     \hfil
10824     \vrule \@width\columnseprule
10825     \hfil

```





```

10826     \hb@xt@\columnwidth{%
10827     \bidi@lastcolumn@status@write%
10828     \box\@outputbox \hss}}}%
10829 \@combinedblfloats
10830   \setmarks
10831   \@outputpage
10832   \beginingroup
10833   \@dblfloatplacement
10834   \@startdblcolumn
10835   \@whiles\if@fcolmade \fi{\@outputpage\@startdblcolumn}%
10836   \endgroup
10837 \fi}

```

## 60 File fleqn-xetex-bidi.def

```

10838 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX e
10839 \renewcommand\relax
10840     \ifmmode\@badmath
10841     \else
10842     \begin{trivlist}%
10843     \beginparpenalty\predisplaypenalty
10844     \endparpenalty\postdisplaypenalty
10845     \item[]\leavevmode
10846     \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
10847     \hskip\mathindent\bgroup
10848     \fi}
10849 \renewcommand\relax
10850     \ifmmode
10851     \egroup $\hfil% $
10852     \endL\egroup
10853     \end{trivlist}%
10854     \else \@badmath
10855     \fi}
10856 \renewenvironment{equation}%
10857 {\beginparpenalty\predisplaypenalty
10858 \endparpenalty\postdisplaypenalty
10859 \refstepcounter{equation}%
10860 \trivlist \item[]\leavevmode
10861 \hb@xt@\linewidth\bgroup\beginL $ \m@th% $
10862 \displaystyle
10863 \hskip\mathindent}%
10864 {\hfil % $
10865 \displaywidth\linewidth\hbox{\@eqnnum}%
10866 \endL\egroup
10867 \endtrivlist}

```

## 61 File float-xetex-bidi.def

```

10868 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
10869 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%

```



```

10870 \ifdim\wd\@tempboxa>\hsize {\@fs@font #1:} #2\par
10871 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10872 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10873 \expandafter\edef\csname the#1\endcsname{%
10874 \expandafter\noexpand\csname
10875 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10876 {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

## 62 File floatrow-xetex-bidi.def

```

10877 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package ]
10878 \renewcommand\flnew@within[1]{\@addtoreset{FB@capttype}{#1}%
10879 \expandafter\edef\csname theFB@capttype\endcsname{%
10880 \expandafter\noexpand\csname
10881 the#1\endcsname\@SepMark\noexpand\arabic{FB@capttype}}}

```

## 63 File flowfram-xetex-bidi.def

```

10882 \ProvidesFile{flowfram-xetex-bidi.def}[2018/09/29 v0.5 bidi adaptations for flowfram package ]
10883 \def\@outputdblcol{%
10884 \@nxtcol=\c@thisframe
10885 \c@curpg=\c@page
10886 \@g@tnextcol{\@nxtcol}%
10887 \if@ff@nwpg % next flow frame starts on new page
10888 \global\@firstcolumntrue
10889 \@setcolbox\c@thisframe
10890 \if@specialpage
10891 \global\@specialpagefalse
10892 \@nameuse{ps@\@specialstyle}\relax
10893 \fi
10894 \if@twoside
10895 \ifodd\count\z@
10896 \let\@thehead\@oddhead
10897 \let\@thefoot\@oddfoot
10898 \else
10899 \let\@thehead\@evenhead
10900 \let\@thefoot\@evenfoot
10901 \fi
10902 \else
10903 \let\@thehead\@oddhead
10904 \let\@thefoot\@oddfoot
10905 \fi
10906 \@begindivi
10907 \@dodynamicthehead\@dodynamictfoot
10908 \vbadness=\@M
10909 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}%
10910 \@combinedblfloats
10911 \@outputpage
10912 \advance\c@curpg by -\c@page\relax
10913 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax

```



```

10914 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
10915 \@outputpage}
10916 \beginingroup
10917   \dblfloatplacement
10918   \@startdblcolumn
10919   \@whilesw \if@fcolmade \fi
10920   {\@outputpage \@startdblcolumn }\endgroup
10921 \@resetst@tics
10922 \@resetdyn@mics
10923 \else % still on same page, save contents of box255
10924 \global\@firstcolumnfalse
10925 \@setcolbox\c@thisframe
10926 \fi
10927 \global\c@thisframe=\@nxtcol
10928 \@setcol{\c@thisframe}\relax
10929 \global\@colht\vsizel
10930 }
10931 \def\@outputpage{%
10932 \beginingroup
10933 \let\protect\noexpand
10934 \@resetactivechars
10935 \global\let\@if@newlist\if@newlist
10936 \global\@newlistfalse\@parboxrestore
10937 \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
10938 \bidi@beforeoutputpageshipouthook
10939 \shipout\vbox{\set@typeset@protect
10940   \aftergroup
10941   \endgroup
10942   \aftergroup
10943   \set@typeset@protect
10944   \reset@font\normalsize
10945   \bidi@font\@outputpage
10946   \normalsfcodes
10947   \let\label\@gobble
10948   \let\index\@gobble
10949   \let\glossary\@gobble
10950   \baselineskip\z@skip
10951   \lineskip\z@skip
10952   \lineskiplimit\z@
10953   \vskip\topmargin\moveright\@themargin
10954   \vbox{%
10955     \global\let\@bidi@BeforeHeader\@firstofone
10956     \bidi@beforeheaderhook
10957     \vskip\headheight
10958     \vskip\headsep
10959     \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
10960     \bidi@beforeoutputboxoutputpagehook
10961     \box\@outputbox
10962     \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
10963     \bidi@afteroutputboxoutputpagehook

```



```

10964   }}%
10965   \global\let\bidiafteroutputpageshipout\@firstofone
10966   \bidiafteroutputpageshipouthook
10967   \global\let\ifnewlist\@ifnewlist
10968   \stepcounter{page}%
10969   \setcounter{displayedframe}{0}%
10970   \let\firstmark\botmark
10971   \global\let\bidiatendoutputpage\@firstofone
10972   \bidiatendoutputpagehook
10973   }
10974
10975
10976   \newcommand*\bidi@stfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{}}{%
10977   \expandafter\bidicolor\ff@txtcol}}
10978
10979   \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
10980   {\hb@xt@ #1{\hss{\bidi@stfftextcol #3}\hss}\vss\kern\z@}}}}
10981
10982
10983   \renewcommand*\@docolbox}[1]{%
10984   \edef\ff@frametype{%
10985   \csname @ff@frametype@\romannumeral#1\endcsname}%
10986   \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
10987   \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
10988   \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
10989   \@ff@setoffset{#1}%
10990   \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
10991   \ifthenelse{\boolean{columnframe\romannumeral#1}}{}}{%
10992   \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
10993   {\csname colheight\romannumeral#1\endcsname}}{%
10994   \expandafter\box\csname column\romannumeral#1\endcsname}}{%
10995   \csname\ff@frametype\endcsname}%
10996   }{%
10997   \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
10998   {\csname colheight\romannumeral#1\endcsname}}{%
10999   \expandafter\box\csname column\romannumeral#1\endcsname}}%
11000   }}}
11001   \@ifclassloaded{book}{%
11002   \renewcommand\theequation
11003   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11004   \renewcommand \thefigure
11005   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11006   \renewcommand \thetable
11007   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11008   \renewcommand \thechapter {\@arabic\c@chapter}
11009   \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11010   \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11011   \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11012   \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11013   \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}

```



```

11014 \@ifclassloaded{report}{%
11015 \renewcommand\theequation
11016   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11017 \renewcommand \thefigure
11018   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11019 \renewcommand \thetable
11020   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11021 \renewcommand \thechapter {\@arabic\c@chapter}
11022 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11023 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11024 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11025 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11026 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11027 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
11028 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
11029 \else
11030 #2\relax
11031 \fi}

```

## 64 File footnote-xetex-bidi.def

```

11032 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11033 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11034 \newif\ifbidi@autofooterule
11035 \def\bidi@mpfootnoterule{\footnoterule}
11036 \newcounter{footdir@label}
11037 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
11038 \newcommand*{\footdir@write}{%
11039   \stepcounter{footdir@label}%
11040   \zref@labelbyprops{\thefootdir@label}{abspage}%
11041 }
11042 \newif\iffootdir@debug
11043 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11044 \newtoks\footdir@toks
11045 \newcommand*{\footdir@debug}[1]{%
11046   \iffootdir@debug
11047     \typeout{[footdir] #1}%
11048   \fi
11049 }
11050 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11051 %  \newcommand*{\footdir@LeftRightElse}{%
11052 %    \ltx@ifundefined{footdir@the\value{zabspage}}{%
11053 %      \footdir@debug{abspage \the\value{zabspage}: else}%
11054 %      \ltx@thirdofthree
11055 %    }{%
11056 %      \if\csname footdir@the\value{zabspage}\endcsname L%
11057 %        \footdir@debug{abspage \the\value{zabspage}: left}%
11058 %        \expandafter\ltx@firstofthree
11059 %      \else
11060 %        \footdir@debug{abspage \the\value{zabspage}: right}%

```



```

11061 %           \expandafter\ltx@secondofthree
11062 %           \fi
11063 %       }%
11064 % }%
11065 %}{%
11066 \providecommand*\c@zabspage{\c@abspage}%
11067 \newcommand*\footdir@LeftRightElse{%
11068   \footdir@write
11069   \zifrefundefined{\thefootdir@label}{%
11070     \footdir@debug{abspage ??: else}%
11071     \ltx@thirdofthree
11072   }{%
11073     \edef\footdir@abspage{%
11074       \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11075     }%
11076     \ltx@ifundefined{footdir@\footdir@abspage}{%
11077       \footdir@debug{\footdir@abspage: else}%
11078       \ltx@thirdofthree
11079     }{%
11080       \if\csname footdir@\footdir@abspage\endcsname L%
11081         \footdir@debug{\footdir@abspage: left}%
11082         \expandafter\ltx@firstofthree
11083       \else
11084         \footdir@debug{\footdir@abspage: right}%
11085         \expandafter\ltx@secondofthree
11086       \fi
11087     }%
11088   }%
11089 }%
11090 %}
11091 \newcommand*\footdir@fntext}[1]{%
11092   \zifrefundefined{\thefootdir@label}{%
11093   }{%
11094     \edef\footdir@name{%
11095       footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11096     }%
11097     \@ifundefined{\footdir@name}{%
11098       \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11099     }{%
11100     }%
11101   }
11102 }
11103 \newcommand*\footdir@temp}[3]{%
11104   \@ifdefinable{#1}{%
11105     \let#1#2%
11106     \renewcommand{#2}[1]{%
11107       \footdir@write
11108       \footdir@fntext{#3}%
11109       \stepcounter{footdir@label}%
11110       \footdir@fntext{#3}%

```



```

11111 \footdir@toks{##1}%
11112 \footdir@toks\expandafter{%
11113 \the\expandafter\footdir@toks
11114 \expandafter
11115 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
11116 }%
11117 \expandafter#1\expandafter{\the\footdir@toks}%
11118 }%
11119 }%
11120 }
11121
11122 \def\right@footnoterule{%
11123 \kern-3\p@
11124 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11125 \kern2.6\p@}
11126 \def\left@footnoterule{\kern-3\p@
11127 \hrule \@width .4\columnwidth \kern 2.6\p@}
11128 \def\textwidth@footnoterule{\kern-3\p@
11129 \hrule \@width \columnwidth \kern 2.6\p@}
11130 \def\leftfootnoterule{%
11131 \bidi@autofootnoterulefalse%
11132 \def\footnoterule{\left@footnoterule}}
11133 \let\LRfootnoterule=\leftfootnoterule
11134 \def\rightfootnoterule{%
11135 \bidi@autofootnoterulefalse%
11136 \def\footnoterule{\right@footnoterule}}
11137 \def\textwidthfootnoterule{%
11138 \bidi@autofootnoterulefalse%
11139 \def\footnoterule{\textwidth@footnoterule}}
11140
11141
11142
11143 \def\auto@footnoterule{%
11144 \footdir@LeftRightElse%
11145 \left@footnoterule%
11146 \right@footnoterule%
11147 \left@footnoterule%
11148 }
11149
11150
11151
11152 \def\autofootnoterule{%
11153 \bidi@autofootnoteruletrue%
11154 \def\footnoterule{\auto@footnoterule}%
11155 }
11156
11157 \newcommand*\SplitFootnoteRule{%
11158 \gdef\split@prev{0}
11159 \let\pagefootnoterule\footnoterule
11160 \let\mpfootnoterule\footnoterule

```



```

11161 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11162 \def\footnoterule{\relax
11163   \ifx \@listdepth\@mplistdepth
11164     \mpfootnoterule
11165   \else
11166     \ifnum\split@prev=\z@
11167       \pagefootnoterule
11168     \else
11169       \splitfootnoterule
11170     \fi
11171   \xdef\split@prev{\the\insertpenalties}%
11172   \fi
11173 }%
11174 }
11175
11176
11177
11178
11179 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11180   \protected@xdef\@thefnmark{\thempfn}%
11181   \@footnotemark\@RTLfootnotetext}}
11182 \def\@xRTLfootnote[#1]{%
11183   \begingroup
11184     \csname c@\@mpfn\endcsname #1\relax
11185     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11186   \endgroup
11187   \@footnotemark\@RTLfootnotetext}
11188 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11189   \protected@xdef\@thefnmark{\thempfn}%
11190   \@footnotemark\@LTRfootnotetext}}
11191 \def\@xLTRfootnote[#1]{%
11192   \begingroup
11193     \csname c@\@mpfn\endcsname #1\relax
11194     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11195   \endgroup
11196   \@footnotemark\@LTRfootnotetext}
11197
11198
11199 \def\setfootnoteRL{\@RTL@footnotetrue}
11200 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11201 \def\setfootnoteLR{\unsetfootnoteRL}
11202
11203 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
11204 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11205 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11206
11207 \long\def\@footnotetext#1{\insert\footins{%
11208   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11209   \reset@font%
11210   \bidi@footnotetext@font% \reset@font\footnotesize

```





```

11211 \interlinepenalty\interfootnotelinepenalty
11212 \splittopskip\footnotesep
11213 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11214 \hsize\columnwidth \@parboxrestore
11215 \protected@edef\@currentlabel{%
11216   \csname p@footnote\endcsname\@thefnmark
11217 }%
11218 \color@begingroup
11219   \@makefntext{%
11220     \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11221 \color@endgroup}}%
11222
11223
11224 \long\def\@RTLfootnotetext#1{\insert\footins{%
11225   \@RTLtrue%
11226   \reset@font%
11227   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11228   \interlinepenalty\interfootnotelinepenalty
11229   \splittopskip\footnotesep
11230   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11231   \hsize\columnwidth \@parboxrestore
11232   \protected@edef\@currentlabel{%
11233     \csname p@footnote\endcsname\@thefnmark
11234   }%
11235   \color@begingroup
11236     \@makefntext{%
11237       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11238   \color@endgroup}}%
11239
11240 \long\def\@LTRfootnotetext#1{\insert\footins{%
11241   \@RTLfalse%
11242   \reset@font%
11243   \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11244   \interlinepenalty\interfootnotelinepenalty
11245   \splittopskip\footnotesep
11246   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11247   \hsize\columnwidth \@parboxrestore
11248   \protected@edef\@currentlabel{%
11249     \csname p@footnote\endcsname\@thefnmark
11250   }%
11251   \color@begingroup
11252     \@makefntext{%
11253       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11254   \color@endgroup}}%
11255
11256 \AtBeginDocument{%
11257 \if@RTL@footnote
11258   \newcommand*{\bidi@footdir@footnote}{R}
11259 \else
11260   \newcommand*{\bidi@footdir@footnote}{L}

```



```

11261 \fi%
11262 }
11263
11264 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11265 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11266 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11267
11268 \long\def\@mpRTLfootnotetext#1{%
11269   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
11270   \global\setbox\@mpfootins\vbox{\@RTLtrue%
11271     \unvbox\@mpfootins
11272     \reset@font%
11273     \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11274     \hsize\columnwidth
11275     \@parboxrestore
11276     \protected@edef\@currentlabel
11277       {\csname p@mpfootnote\endcsname\@thefnmark}%
11278     \color@begingroup
11279     \@makefntext{%
11280       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11281     \color@endgroup}}
11282 \long\def\@mpLTRfootnotetext#1{%
11283   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
11284   \global\setbox\@mpfootins\vbox{\@RTLfalse%
11285     \unvbox\@mpfootins
11286     \reset@font%
11287     \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11288     \hsize\columnwidth
11289     \@parboxrestore
11290     \protected@edef\@currentlabel
11291       {\csname p@mpfootnote\endcsname\@thefnmark}%
11292     \color@begingroup
11293     \@makefntext{%
11294       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11295     \color@endgroup}}
11296 \long\def\@mpfootnotetext#1{%
11297   \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\if@RTL@footnote\global\let\bidi@mpfootnoterule
11298   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11299     \unvbox\@mpfootins
11300     \reset@font%
11301     \bidi@footnotetext@font% \reset@font\footnotesize
11302     \hsize\columnwidth
11303     \@parboxrestore
11304     \protected@edef\@currentlabel
11305       {\csname p@mpfootnote\endcsname\@thefnmark}%
11306     \color@begingroup
11307     \@makefntext{%
11308       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11309     \color@endgroup}}
11310 \def\@iiminipage#1#2[#3]#4{%

```



```

11311 \leavevmode
11312 \@pboxswfalse
11313 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11314 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11315 \setlength\@tempdima{#4}%
11316 \def\@mpargs{#1}#2}#3}#4}}%
11317 \setbox\@tempboxa\vbox\bgroup
11318   \color@begingroup
11319     \hsize\@tempdima
11320     \textwidth\hsize \columnwidth\hsize
11321     \@parboxrestore
11322     \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11323     \let\@footnotetext\@mpfootnotetext
11324     \let\@LTRfootnotetext\@mpLTRfootnotetext
11325     \let\@RTLfootnotetext\@mpRTLfootnotetext
11326     \let\@listdepth\@mplistdepth \@mplistdepth\z@
11327     \@minipagerestore
11328     \@setminipage}
11329 \def\endminipage{%
11330   \par
11331   \unskip
11332   \ifvoid\@mpfootins\else
11333     \vskip\skip\@mpfootins
11334     \normalcolor
11335     \bidi@mpfootnoterule
11336     \unvbox\@mpfootins
11337   \fi
11338   \@minipagefalse %% added 24 May 89
11339 \color@endgroup
11340 \egroup
11341 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11342 \def\LTRthanks#1{\footnotemark
11343   \protected@xdef\@thanks{\@thanks
11344     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11345 }
11346 \def\LTRfootnotetext{%
11347   \@ifnextchar [\@xLTRfootnotenext
11348     {\protected@xdef\@thefnmark{\thempfn}%
11349     \@LTRfootnotetext}}
11350 \def\@xLTRfootnotenext[#1]{%
11351   \begingroup
11352     \csname c@\@mpfn\endcsname #1\relax
11353     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11354   \endgroup
11355   \@LTRfootnotetext}
11356 \def\RTLthanks#1{\footnotemark
11357   \protected@xdef\@thanks{\@thanks
11358     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11359 }
11360 \let\@thanks\@empty

```



```

11361 \def\RTLfootnotetext{%
11362     \ifnextchar [\@xRTLfootnotenext
11363         {\protected@xdef\@thefnmark{\thempfn}%
11364         \@RTLfootnotetext}}
11365 \def\@xRTLfootnotenext[#1]{%
11366     \begingroup
11367         \csname c@\mpfn\endcsname #1\relax
11368         \unrestored@protected@xdef\@thefnmark{\thempfn}%
11369     \endgroup
11370     \@RTLfootnotetext}
11371 \leftfootnoterule

```

## 65 File framed-xetex-bidi.def

```

11372 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for X
11373 \renewcommand\TitleBarFrame[3][\begingroup
11374     \ifx\delimiter#1\delimiter
11375         \let\TF@conlab\@empty
11376     \else
11377         \def\TF@conlab{% continuation label
11378         \nointerlineskip
11379         \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
11380     \fi
11381     %\let\TF@savecolor\current@color
11382     \textcolor{TFFrameColor}{%
11383     \CustomFBox
11384         {\TF@Title{#2}}{\TF@conlab}%
11385         \fbboxrule\fbboxrule\fbboxrule\fbboxrule
11386         %{\let\current@color\TF@savecolor\set@color #3}%
11387         {\normalcolor #3}%
11388     }\endgroup
11389 }
11390 \renewenvironment{titled-frame}[1]{%
11391     \def\FrameCommand{\fbboxsep8pt\fbboxrule2pt
11392         \TitleBarFrame{\textbf{#1}}}%
11393     \def\FirstFrameCommand{\fbboxsep8pt\fbboxrule2pt
11394         \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1}}}%
11395     \def\MidFrameCommand{\fbboxsep8pt\fbboxrule2pt
11396         \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1} (cont)}
11397     \def\LastFrameCommand{\fbboxsep8pt\fbboxrule2pt
11398         \TitleBarFrame{\textbf{#1} (cont)}}%
11399     \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11400 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11401 % could interfere with the width measurement.
11402 {\endMakeFramed}
11403 \chardef\FrameRestore=\catcode`\| % for debug
11404 \catcode`\|=\catcode`\% (debug: insert space after backslash)
11405 \def\fb@put@frame#1#2{\relax
11406     \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
11407 | \message{===== Entering putframe =====}~^J

```



```

11408 |     \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
11409 | \ifinner
11410 |   \fb@putboxa#1%
11411 |   \fb@afterframe
11412 | \else
11413 |   \dimen@\pagegoal \advance\dimen@-\pagetotal % natural space left on page
11414 |   \ifdim\dimen@<2\baselineskip % Too little room on page
11415 |     \message{Page has only \the\dimen@\space room left; eject. }%
11416 |     \eject \fb@adjheight \fb@put@frame#1#2%
11417 |   \else % there's appreciable room left on the page
11418 |     \fb@sizeofframe#1%
11419 |     \message{\string\pagetotal=\the\pagetotal,
11420 |       \string\pagegoal=\the\pagegoal,
11421 |       \string\pagestretch=\the\pagestretch,
11422 |       \string\pageshrink=\the\pageshrink,
11423 |       \string\fb@frh=\the\fb@frh. \space}
11424 |     \message{^^JBox of size \the\ht\@tempboxa\space}%
11425 |     \begingroup % temporarily set \dimen@ to be...
11426 |     \advance\dimen@.8\pageshrink % maximum space available on page
11427 |     \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11428 |%%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11429 |     \expandafter\endgroup
11430 |     % expand \ifdim, then restore \dimen@ to real room left on page
11431 |     \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11432 |       \message{fits in \the\dimen@. }%
11433 |       % ToDo: Change this to use vsplit anyway to capture the marks
11434 |       % MERGE THIS WITH THE else CLAUSE!!!
11435 |       \fb@putboxa#1%
11436 |       \fb@afterframe
11437 |     \else % box must be split
11438 |       \message{must be split to fit in \the\dimen@. }%
11439 |       % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11440 |       \fb@sizeofframe#2%
11441 |       \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11442 |         \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11443 |         \kern137sp\kern-137sp\penalty-30
11444 |         \unvbox\@tempboxa}%
11445 |       \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11446 |         \splittopskip\the\splittopskip}%
11447 |       \boxmaxdepth\z@ \splittopskip\z@
11448 |       \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
11449 |       % Split box here
11450 |       \setbox\tw@vsplit\@tempboxa to\dimen@
11451 |       \toks99\expandafter{\splitfirstmark}%
11452 |       \toks98\expandafter{\splitbotmark}%
11453 |       \message{Marks are: \the\toks99, \the\toks98. }%
11454 |       \setbox\tw@vbox{\unvbox\tw@}% natural-sized
11455 |       \message{Natural height of split box is \the\ht\tw@, leaving
11456 |         \the\ht\@tempboxa\space remainder. }%
11457 |       % If the split-to size > (\vsize-\topskip), then set box to full size.

```



```

11458 \begingroup
11459 \advance\dimen@\topskip
11460 \expandafter\endgroup
11461 \ifdim\dimen@>\pagegoal
11462 | \message{Frame is big -- Use up the full column. }%
11463 \dimen@ii\pagegoal
11464 \advance\dimen@ii -\topskip
11465 \advance\dimen@ii \FrameHeightAdjust\relax
11466 \else % suspect this is implemented incorrectly:
11467 % If the split-to size > feasible room_on_page, rebox it smaller.
11468 \advance\dimen@.8\pageshrink
11469 \ifdim\ht\tw@>\dimen@
11470 | \message{Box too tall; rebox it to \the\dimen@. }%
11471 \dimen@ii\dimen@
11472 \else % use natural size
11473 \dimen@ii\ht\tw@
11474 \fi
11475 \fi
11476 % Re-box contents to desired size \dimen@ii
11477 \advance\dimen@ii -\fb@frh
11478 \setbox\tw@\vbox to\dimen@ii \bgroup
11479 % remove simulated frame and page flexibility:
11480 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11481 \unvbox\tw@ \unpenalty\unpenalty
11482 \ifdim\lastkern=-137sp % whole box went to next page
11483 | \message{box split at beginning! }%
11484 % need work here???
11485 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11486 \fb@adjheight
11487 \fb@put@frame#1#2% INSERTED ???
11488 \else % Got material split off at the head
11489 \egroup \fb@resto@set
11490 \ifvoid\@tempboxa % it all fit after all
11491 | \message{box split at end! }%
11492 \setbox\@tempboxa\box\tw@
11493 \fb@putboxa#1%
11494 \fb@afterframe
11495 \else % it really did split
11496 | \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
11497 \ifdim\wd\tw@>\z@
11498 \wd\tw@\wd\@tempboxa
11499 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11500 \else
11501 | \message{Zero width means likely blank. Don't frame it (guess)}%
11502 \box\tw@
11503 \fi
11504 \hrule \@height\z@ \@width\hsize
11505 \eject
11506 \fb@adjheight
11507 \fb@put@frame\LastFrameCommand\MidFrameCommand

```



```

11508 \fi\fi\fi\fi\fi
11509 }
11510 \def\fb@putboxa#1{%
11511 \ifvoid\@tempboxa
11512 \PackageWarning{framed}{Boxa is void -- discard it. }%
11513 \else
11514 | \message{Frame and place boxa. }%
11515 | %{\showoutput\showbox\@tempboxa}%
11516 \centerline{#1{\hboxL{\box\@tempboxa}}}%
11517 \fi
11518 }
11519 \catcode`\|=\FrameRestore
11520 \def\FrameRestore{%
11521 \let\if@nbreak\iffalse
11522 \let\if@noskipsec\iffalse
11523 \let\-\@dischyph
11524 \let'\@acci\let'\@accii\let\=\@acciii
11525 % \message{FrameRestore:
11526 % \totalleftmargin=\the \totalleftmargin,
11527 % \rightmargin=\the\rightmargin,
11528 % \listdepth=\the\@listdepth. }%
11529 % Test if we are in a list (or list-like paragraph)
11530 \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11531 \ifdim\rightmargin>\z@ 1\fi
11532 \ifnum\@listdepth>\z@ 1\fi 0>\z@
11533 % \message{In a list: \linewidth=\the\linewidth, \totalleftmargin=\the\totalleftmargin,
11534 % \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11535 % \labelwidth=\the\labelwidth. }%
11536 \@setminipage % snug fit around the item
11537 % Now try to propagate changes of width from \hsize to list parameters.
11538 % This is deficient, but a more advanced way to indicate modification to text
11539 % dimensions is not (yet) provided; in particular, no separate left/right
11540 % adjustment.
11541 \advance\linewidth-\columnwidth \advance\linewidth\hsize
11542 \parshape\@ne \totalleftmargin \linewidth
11543 \else % Not in list
11544 \linewidth=\hsize
11545 %\message{No list, set \string\linewidth=\the\hsize. }%
11546 \fi
11547 \sloppy
11548 }

```

## 66 File ftnright-xetex-bidi.def

```

11549 \ProvidesFile{ftnright-xetex-bidi.def}[2018/09/29 v0.6 bidi adaptations for ftnright package]
11550
11551 \def\prepare@bidi@copyins{%
11552 \global\bidi@rcol@copyinsskip\skip\@bidi@copyins@
11553 \global\skip\@bidi@copyins@\z@
11554 \global\count\@bidi@copyins@\z@

```



```

11555 \global\dimen\@bidi@copyins@\textheight}
11556
11557 \newskip\@bidi@rcol@copyinsskip
11558
11559 \def\LTR@outputdblcol{%
11560 \if@firstcolumn
11561 \global\@firstcolumnfalse
11562 \global\setbox\@leftcolumn\copy\@outputbox
11563 \global\count\footins\@m
11564 \global\skip\footins\rcol@footinsskip
11565 \global\count\@bidi@copyins\@m
11566 \global\skip\@bidi@copyins\@bidi@rcol@copyinsskip
11567 \splitmaxdepth\maxdimen
11568 \vbadness\maxdimen
11569 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11570 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11571 \toks@\expandafter{\topmark}%
11572 \xdef\@firstcoltopmark{\the\toks@}%
11573 \toks@\expandafter{\splitfirstmark}%
11574 \xdef\@firstcolfirstmark{\the\toks@}%
11575 \ifx\@firstcolfirstmark\@empty
11576 \global\let\@setmarks\relax
11577 \else
11578 \gdef\@setmarks{%
11579 \let\firstmark\@firstcolfirstmark
11580 \let\topmark\@firstcoltopmark}%
11581 \fi
11582 \else
11583 \preparefootins
11584 \prepare@bidi@copyins
11585 \global\@firstcolumntrue
11586 \setbox\@outputbox\vbox{%
11587 \hb@xt@\textwidth{%
11588 \hb@xt@\columnwidth{%
11589 \bidi@firstcolumn@status@write%
11590 \box\@leftcolumn \hss}%
11591 \hfil
11592 {\normalcolor\vrule \@width\columnseprule}%
11593 \hfil
11594 \hb@xt@\columnwidth{%
11595 \bidi@lastcolumn@status@write%
11596 \box\@outputbox \hss}}}%
11597 \@combinedblfloats
11598 \@setmarks
11599 \@outputpage
11600 \begin@group
11601 \@dblfloatplacement
11602 \@startdblcolumn
11603 \@whilesw\if@fcolmade \fi{\@outputpage
11604 \@startdblcolumn}%

```





```

11605   \endgroup
11606   \fi}%
11607
11608 \def\RTL@outputdblcol{%
11609   \if@firstcolumn
11610     \global\@firstcolumnfalse
11611     \global\setbox\@leftcolumn\copy\@outputbox
11612     \global\count\footins\@m
11613     \global\skip\footins\rcol\footinsskip
11614     \global\count\@bidi@copyins\@m
11615     \global\skip\@bidi@copyins\@bidi\rcol\copyinsskip
11616     \splitmaxdepth\maxdimen
11617     \vbadness\maxdimen
11618     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11619     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11620     \toks@\expandafter{\topmark}%
11621     \xdef\@firstcoltopmark{\the\toks@}%
11622     \toks@\expandafter{\splitfirstmark}%
11623     \xdef\@firstcolfirstmark{\the\toks@}%
11624     \ifx\@firstcolfirstmark\@empty
11625       \global\let\@setmarks\relax
11626     \else
11627       \gdef\@setmarks{%
11628         \let\firstmark\@firstcolfirstmark
11629         \let\topmark\@firstcoltopmark}%
11630     \fi
11631   \else
11632     \preparefootins
11633     \prepare@bidi@copyins
11634     \global\@firstcolumntrue
11635     \setbox\@outputbox\vbox{%
11636       \hb@xt@\textwidth{%
11637         \hskip \columnwidth
11638         \hfil
11639         {\normalcolor\vrule \@width\columnseprule}%
11640         \hfil
11641         \hb@xt@\columnwidth{%
11642           \bidi@firstcolumn@status@write%
11643           \box\@leftcolumn \hss}%
11644         \hskip -\textwidth
11645         \hb@xt@\columnwidth{%
11646           \bidi@lastcolumn@status@write%
11647           \box\@outputbox \hss}%
11648         \hskip \columnsep
11649         \hskip \columnwidth }}%
11650   \@combinedblfloats
11651   \@setmarks
11652   \@outputpage
11653   \begingroup
11654   \@dblfloatplacement

```



```

11655     \@startdblcolumn
11656     \@whilesw\if@fcolmade \fi{\@outputpage
11657     \@startdblcolumn}%
11658     \endgroup
11659 \fi}%
11660
11661 \def\@startcolumn{%
11662 \ifx\@deferlist\@empty
11663   \global\@fcolmadefalse
11664   \global\@colroom\@colht
11665 \else
11666   \ifvoid\footins\else
11667     \ftn@amount\ht\footins
11668     \advance\ftn@amount\dp\footins
11669     \advance\ftn@amount\skip\footins
11670   \fi
11671   \ifvoid\@bidi@copyins@\else
11672     \bidi@copyins@amount\ht\@bidi@copyins@
11673     \advance\bidi@copyins@amount\dp\@bidi@copyins@
11674     \advance\bidi@copyins@amount\skip\@bidi@copyins@
11675   \fi
11676   \global\advance\@colht-\ftn@amount
11677   \global\advance\@colht-\bidi@copyins@amount
11678   \global\@colroom\@colht
11679   \xstartcol
11680   \global\advance\@colht\ftn@amount
11681   \global\advance\@colroom\ftn@amount
11682   \global\advance\@colht\bidi@copyins@amount
11683   \global\advance\@colroom\bidi@copyins@amount
11684 \fi
11685 \if@fcolmade
11686 \setbox\@cclv\box\@outputbox
11687 \@makecol
11688 \else
11689 \ifvoid\footins\else
11690   \insert\footins{\unvbox\footins}\fi
11691 \ifvoid\@bidi@copyins@\else
11692   \insert\@bidi@copyins@{\unvbox\@bidi@copyins@}\fi
11693 \fi}
11694
11695 \newdimen\bidi@copyins@amount
11696
11697 \def\@makecol{\if@firstcolumn
11698 \setbox\@outputbox\box\@cclv
11699 \if@twocolumn \else
11700   \ifvoid\footins \else
11701     \@latexerr{ftnright package
11702     used in one-column mode}%
11703 {The ftnright package was designed to
11704 work with LaTeX's standard~^Jtwocolumn

```



```

11705 option. It does *not* work with the
11706 multicol package.^^JSo please specify
11707 `twocolumn' in the
11708 \noexpand\documentclass command.}%
11709 \shipout\box\footins \fi
11710 \ifvoid\@bidi@copyins@ \else
11711 \latexerr{ftnright package
11712 used in one-column mode}%
11713 {The ftnright package was designed to
11714 work with LaTeX's standard^^Jtwocolumn
11715 option. It does *not* work with the
11716 multicol package.^^JSo please specify
11717 `twocolumn' in the
11718 \noexpand\documentclass command.}%
11719 \shipout\box\@bidi@copyins@ \fi\fi
11720 \ifnum\insertpenalties>\z@
11721 \latexerr{ftnright package
11722 scrambled footnotes}%
11723 {There is too much footnote material in
11724 the first column and ftnright^^Jis
11725 unable to cope with this.^^JYou need
11726 to reduce the amount to get a properly
11727 formatted page.}%
11728 \fi
11729 \else
11730 \ifvoid\footins
11731 \ifvoid\@bidi@copyins@
11732 \setbox\@outputbox\box\@cclv
11733 \else
11734 \setbox\@outputbox\vbox
11735 {\ifvoid\@cclv \else
11736 \unvbox\@cclv
11737 \vskip \skip\@bidi@copyins@
11738 \fi
11739 \color@begingroup
11740 \normalcolor
11741 \unvbox \@bidi@copyins@
11742 \color@endgroup}%
11743 \fi
11744 \else
11745 \setbox\@outputbox\vbox
11746 {\ifvoid\@cclv \else
11747 \unvbox\@cclv
11748 \vskip\skip\footins\fi
11749 \color@begingroup
11750 \normalcolor
11751 \footnoterule\unvbox\footins
11752 \color@endgroup
11753 \ifvoid\@bidi@copyins@
11754 \else

```



```

11755         \vskip \skip\@bidi@copyins@
11756         \color@begingroup
11757         \normalcolor
11758         \unvbox \@bidi@copyins@
11759         \color@endgroup
11760     \fi
11761 }%
11762 \fi
11763 \fi
11764 \xdef\@freelist{\@freelist\@midlist}%
11765 \global \let \@midlist \@empty
11766 \@combinefloats
11767 \ifvbox\@kludgeins
11768     \@makespecialcolbox
11769 \else
11770     \setbox\@outputbox\vbox to\@colht
11771     { \boxmaxdepth\maxdepth
11772     \@texttop
11773     \@tempdima\dp\@outputbox
11774     \unvbox\@outputbox
11775     \vskip-\@tempdima
11776     \@textbottom}%
11777 \fi
11778 \global\maxdepth\@maxdepth}
11779
11780 \let\leftfootnoterule\@empty
11781 \let\rightfootnoterule\@empty
11782 \let\textwidthfootnoterule\@empty
11783 \let\autofootnoterule\@empty
11784 \let\footnoterule\@empty
11785 \long\def\@makefntext#1{\parindent 1em
11786     \noindent\hbox to 2em{}}%
11787     \llap{\@thefnmark\hbox{.}\,.,}\,}\,}\#1}
11788
11789 \setlength{\skip\@bidi@copyins@}
11790     {10pt plus 5pt minus 3pt}
11791 \AtBeginDocument{\prepare@bidi@copyins}

```

## 67 File graphicx-xetex-bidi.def

```

11792 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
11793 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
11794     \Grot@setangle{#1}%
11795     \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
11796     \Grot@x\z@
11797     \Grot@y\z@
11798     \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
11799 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11800     \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11801     \Grot@x\width \divide\Grot@x\tw@

```



```

11802 \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11803 \setkeys{Grot}{#1}%
11804 \setbox\z@\box\@tempboxa
11805 \Grot@setangle{#2}%
11806 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi
11807 \@end@tempboxa}
11808 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11809 \leavevmode
11810 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11811 \setbox\z@\hbox{#3}%
11812 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11813 \ifdim#2\p@<\z@
11814 \ht\tw@-#2\dp\z@
11815 \dp\tw@-#2\ht\z@
11816 \else
11817 \ht\tw@#2\ht\z@
11818 \dp\tw@#2\dp\z@
11819 \fi
11820 \ifdim#1\p@<\z@
11821 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11822 \else
11823 \wd\tw@#1\wd\z@
11824 \box\tw@
11825 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11826 \def\Gin@iii[#1,#2][#3,#4]#5{%
11827 \begingroup
11828 \ifmmode\else\if@RTL\beginL\fi\fi
11829 \Gin@bboxtrue
11830 \Gin@defaultbp\Gin@llx{#1}%
11831 \Gin@defaultbp\Gin@lly{#2}%
11832 \Gin@defaultbp\Gin@urx{#3}%
11833 \Gin@defaultbp\Gin@ury{#4}%
11834 \Gin@include@graphics{#5}%
11835 \ifmmode\else\if@RTL\endL\fi\fi
11836 \endgroup}
11837 \def\Gin@ii[#1]#2{%
11838 \def\@tempa{[]}\def\@tempb{#2}%
11839 \ifx\@tempa\@tempb
11840 \def\@tempa{\Gin@iii[#1] []}%
11841 \expandafter\@tempa
11842 \else
11843 \begingroup
11844 \ifmmode\else\if@RTL\beginL\fi\fi
11845 \@tempswafalse
11846 \toks@{\Gin@include@graphics{#2}}%
11847 \setkeys{Gin}{#1}%
11848 \Gin@esetsize
11849 \the\toks@
11850 \ifmmode\else\if@RTL\endL\fi\fi
11851 \endgroup

```



```

11852     \fi}
11853 \def\reflectbox{\bidiGscale@box-1[1]}
11854 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11855 \leavevmode
11856 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11857 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11858 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11859 \ifdim#2\p<\z@
11860   \ht\tw@-#2\dp\z@
11861   \dp\tw@-#2\ht\z@
11862 \else
11863   \ht\tw@#2\ht\z@
11864   \dp\tw@#2\dp\z@
11865 \fi
11866 \ifdim#1\p<\z@
11867   \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11868 \else
11869   \wd\tw@#1\wd\z@
11870   \box\tw@
11871 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11872 \def\scalebox#1{%
11873 \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
11874 \def\resizebox{%
11875 \leavevmode
11876 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11877 \def\bidiGscale@@box#1#2#3{%
11878 \let\@tempa\Gin@exclamation
11879 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11880 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11881 \ifx\@tempb\@tempa
11882   \ifx\@tempc\@tempa
11883     \toks@{\mbox}%
11884   \else
11885     \toks@{\bidiGscale@box@dd{#3}#1}%
11886   \fi
11887 \else
11888   \ifx\@tempc\@tempa
11889     \toks@{\bidiGscale@box@dd{#2}\width}%
11890   \else
11891     \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
11892   \fi
11893 \fi
11894 \the\toks@}
11895 \long\def\bidiGscale@box@dd#1#2#3{%
11896 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11897 \setlength\@tempdima{#1}%
11898 \setlength\@tempdimb{#2}%
11899 \Gscale@div\@tempa\@tempdima\@tempdimb
11900 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11901 \@end@tempboxa}

```



```

11902 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
11903   \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if
11904     \setlength\@tempdima{#1}%
11905     \setlength\@tempdimb{#2}%
11906     \Gscale@div\@tempa\@tempdima\@tempdimb
11907     \setlength\@tempdima{#3}%
11908     \setlength\@tempdimb{#4}%
11909     \Gscale@div\@tempb\@tempdima\@tempdimb
11910     \ifGin@iso
11911       \ifdim\@tempa\p@>\@tempb\p@
11912         \let\@tempa\@tempb
11913       \else
11914         \let\@tempb\@tempa
11915       \fi
11916     \fi
11917     \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11918 \end@tempboxa}

```

## 68 File geometry-xetex-bidi.def

```

11919 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package ]
11920 \renewcommand*\Gm@vrules@mpi}{%
11921 \if@RTLmain%
11922   \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11923     \llap{\Gm@vrule}\ignorespaces
11924     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11925     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11926 \else%
11927 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11928 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11929 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11930 \renewcommand*\Gm@vrules@mpii}{%
11931 \if@RTLmain%
11932 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11933 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11934 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11935 \else%
11936 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11937 \llap{\Gm@vrule}\ignorespaces
11938 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11939 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11940 \bidi@patchcmd{\Gm@pageframes}{%
11941   \ifodd\count\z@
11942     \let\@themargin\oddsidemargin
11943   \else
11944     \let\@themargin\evensidemargin
11945   \fi
11946 }{%
11947   \ifodd\count\z@
11948   \if@RTLmain

```



```

11949         \let\@themargin\evensidemargin
11950     \else
11951         \let\@themargin\oddsidemargin
11952     \fi
11953 \else
11954     \if@RTLmain
11955         \let\@themargin\oddsidemargin
11956     \else
11957         \let\@themargin\evensidemargin
11958     \fi
11959 \fi
11960 }{}{}

```

## 69 File hvfloat-xetex-bidi.def

```

11961 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11962 \def\do@hvFloat [#1]#2#3{%
11963 \def\hv@shortCap{#1}
11964 \def\hv@longCap{#2}
11965 \def\hv@label{#3}
11966 \newcommand*{\hvFloat}[5] []{%
11967 % [#1]: keyvalues
11968 % #2: type figure | table | ...
11969 % #3: float contents
11970 % [#4]: short caption
11971 % #5: caption
11972 % #6: label
11973 % \setDefault%
11974 % \def\@tempa{#1}%
11975 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
11976 \def\@tempa{90}%
11977 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11978 \else \setlength{\hvMaxCapWidth}{\linewidth}
11979 \fi
11980 %
11981 % First we save the object in \hvObjectBox
11982 %
11983 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11984 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11985 \else
11986 \savebox{\hvObjectBox}{%
11987 \rotatebox{\hvSet@objectAngle}{%
11988 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11989 \fi
11990 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11991 %
11992 % Now we save the caption with its defined \hvCapWidth
11993 %
11994 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11995 \else

```





```

11996 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11997 \else
11998 \setlength{\hvCapWidth}{\hvObjectWidth}
11999 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12000 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
12001 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
12002 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
12003 \else
12004 \setlength{\hvCapWidth}{\hvMaxCapWidth}
12005 \fi
12006 \fi
12007 \fi
12008 %
12009 % now we have the object and the caption with the right
12010 % rotated angles saved in boxes
12011 %
12012 \def\fps@figure{\hvSet@floatPos}
12013 \ifhv@nonFloat\begin@group% Start the nonfloat part
12014 \else \begin{\hv@floatType}% Start the floating environment
12015 \fi%
12016 \saveCaptionSkip% we put this space ourselve
12017 \ifx\hvSet@capAngle\hv@Width % need rotation?
12018 \sbox{\hvCaptionBox}{%
12019 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12020 \ifhv@nonFloat%
12021 \ifhv@onlyText#2%
12022 \else%
12023 \ifx\hv@floatType\hv@figure
12024 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
12025 \else
12026 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
12027 \fi
12028 \fi
12029 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[1]{#2}\fi%
12030 \fi%
12031 \label{#3}%
12032 \end{minipage}%
12033 }%
12034 \else%
12035 \sbox{\hvCaptionBox}{%
12036 \rotatebox{\hvSet@capAngle}{%
12037 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
12038 \ifhv@nonFloat%
12039 \ifhv@onlyText#2%
12040 \else%
12041 \ifx\hv@floatType\hv@figure
12042 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[1]{#2}\fi
12043 \else
12044 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[1]{#2}\fi%
12045 \fi

```



```

12046 \fi
12047 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
12048 \fi%
12049 \label{#3}%
12050 \end{minipage}%
12051 }%
12052 }%
12053 \fi%
12054 %%
12055 \restoreCaptionSkip% save old values
12056 \ifx\hvSet@objectPos\hv@Right\ bidi@raggedleft%
12057 \else%
12058 \ifx\hvSet@objectPos\hv@Center
12059 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
12060 \fi%
12061 \fi%
12062 %
12063 % to rotate object and caption together, we save all in another box
12064 % the caption comes first, if its on the left or the top
12065 %
12066 \savebox{\@tempboxa}{%
12067 \ifx\hvSet@capPos\hv@Left % caption on left side
12068 \if@RTL%
12069 \ifx\hvSet@capVPos\hv@Center%
12070 \ifhv@fbox
12071 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
12072 \else
12073 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12074 \fi%
12075 \hspace{\hvSet@floatCapSep pt}%
12076 \ifhv@fbox
12077 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12078 \else
12079 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12080 \fi%
12081 \else%
12082 \ifx\hvSet@capVPos\hv@Top
12083 \ifhv@fbox
12084 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12085 \else
12086 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12087 \fi%
12088 \hspace{\hvSet@floatCapSep pt}%
12089 \ifhv@fbox
12090 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12091 \else
12092 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12093 \fi
12094 \else
12095 \ifhv@fbox

```



```

12096 \fbox{\usebox{\hvObjectBox}}%
12097 \else
12098 \usebox{\hvObjectBox}%
12099 \fi
12100 \hspace{\hvSet@floatCapSep pt}%
12101 \ifhv@fbox
12102 \fbox{\usebox{\hvCaptionBox}}%
12103 \else
12104 \usebox{\hvCaptionBox}%
12105 \fi%
12106 \fi%
12107 \fi%
12108 \else% not RTL
12109 \ifx\hvSet@capVPos\hv@Center%
12110 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12111 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12112 \fi%
12113 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12114 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
12115 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12116 \fi%
12117 \else%
12118 \ifx\hvSet@capVPos\hv@Top % caption at top
12119 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12120 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12121 \fi
12122 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12123 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12124 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12125 \fi%
12126 \else% caption on bottom
12127 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12128 \else\usebox{\hvCaptionBox}
12129 \fi%
12130 \hspace{\hvSet@floatCapSep pt}%
12131 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12132 \else \usebox{\hvObjectBox}
12133 \fi%
12134 \fi%
12135 \fi% end of RTL
12136 \fi%
12137 \else
12138 \ifx\hvSet@capPos\hv@Top
12139 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12140 \begin{minipage}{\wd\hvCaptionBox}
12141 \else
12142 \begin{minipage}{\wd\hvObjectBox}
12143 \fi
12144 \centering
12145 \ifhv@fbox

```



```

12146 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
12147 \fbox{\usebox{\hvObjectBox}}
12148 \else
12149 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
12150 \usebox{\hvObjectBox}
12151 \fi%
12152 \end{minipage}
12153 \else
12154 \ifx\hvSet@capPos\hv@Bottom
12155 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12156 \begin{minipage}{\wd\hvCaptionBox}
12157 \else
12158 \begin{minipage}{\wd\hvObjectBox}
12159 \fi
12160 \centering
12161 \ifhv@fbox
12162 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
12163 \fbox{\usebox{\hvCaptionBox}}
12164 \else
12165 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12166 \usebox{\hvCaptionBox}
12167 \fi%
12168 \end{minipage}
12169 \else% the last option: put the caption on the right
12170 \if@RTL%
12171     \ifx\hvSet@capVPos\hv@Center%
12172         \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12173         \else     \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12174         \fi%
12175         \hspace{\hvSet@floatCapSep pt}% capfloatsep
12176         \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
12177         \else     \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12178         \fi%
12179 \else%
12180     \ifx\hvSet@capVPos\hv@Top % caption at top
12181         \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12182         \else     \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12183         \fi
12184         \hspace{\hvSet@floatCapSep pt}% capfloatsep
12185         \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12186         \else     \raisebox{-\height}{\usebox{\hvObjectBox}}%
12187         \fi%
12188     \else% caption on bottom
12189         \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
12190         \else\usebox{\hvCaptionBox}
12191         \fi%
12192         \hspace{\hvSet@floatCapSep pt}%
12193         \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
12194         \else     \usebox{\hvObjectBox}
12195         \fi%

```



```

12196     \fi%
12197     \fi%
12198 \else% not RTL
12199 \ifx\hvSet@capVPos\hv@Center%
12200 \ifhv@fbox
12201 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12202 \else
12203 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12204 \fi%
12205 \hspace{\hvSet@floatCapSep pt}%
12206 \ifhv@fbox
12207 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12208 \else
12209 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12210 \fi%
12211 \else%
12212 \ifx\hvSet@capVPos\hv@Top
12213 \ifhv@fbox
12214 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12215 \else
12216 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12217 \fi%
12218 \hspace{\hvSet@floatCapSep pt}%
12219 \ifhv@fbox
12220 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12221 \else
12222 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12223 \fi
12224 \else
12225 \ifhv@fbox
12226 \fbox{\usebox{\hvObjectBox}}%
12227 \else
12228 \usebox{\hvObjectBox}%
12229 \fi
12230 \hspace{\hvSet@floatCapSep pt}%
12231 \ifhv@fbox
12232 \fbox{\usebox{\hvCaptionBox}}%
12233 \else
12234 \usebox{\hvCaptionBox}%
12235 \fi%
12236 \fi%
12237 \fi
12238 \fi% end of RTL
12239 \fi
12240 \fi
12241 \fi
12242 }% End savebox Object and caption
12243 %
12244 % now we rotate the object and caption, if needed
12245 %

```



```

12246 \ifx\hvSet@rotAngle\hv@Zero
12247 \usebox{\@tempboxa}
12248 \else
12249 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12250 \fi
12251 \ifhv@nonFloat
12252 \ifx\hvSet@objectPos\hv@Center
12253 \ifhv@nonFloat
12254 \hspace{\fill}
12255 \fi
12256 \fi
12257 \endgroup% End the nonfloat part
12258 \else
12259 \end{\hv@floatType}% End the floating environment
12260 \fi
12261 }

```

## 70 File hyperref-xetex-bidi.def

```

12262 \ProvidesFile{hyperref-xetex-bidi.def}[2018/11/11 v1.1 bidi adaptations for hyperref package ]
12263 \AtBeginDocument{%
12264 \def\contentsline#1#2#3#4{%
12265 \ifx\#4\%
12266 \csname l@#1\endcsname{#2}{#3}%
12267 \else
12268 \ifcase\Hy@linktoc % none
12269 \csname l@#1\endcsname{#2}{#3}%
12270 \or % section
12271 \csname l@#1\endcsname{%
12272 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12273 }{#3}%
12274 \or % page
12275 \csname l@#1\endcsname{{#2}}{%
12276 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12277 }%
12278 \else % all
12279 \csname l@#1\endcsname{%
12280 \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12281 }{%
12282 \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12283 }%
12284 \fi
12285 \fi
12286 }
12287 \ifHy@hyperfootnotes
12288 \let\H@@@footnotetext\@footnotetext
12289 \let\HRTL@RTLfootnotetext\RTLfootnotetext
12290 \let\HLTR@LTRfootnotetext\LTRfootnotetext
12291 \def\@xfootnotenext[#1]{%
12292 \begingroup

```



```

12293     \csname c@\mpfn\endcsname #1\relax
12294     \unrestored@protected@xdef\@thefnmark{\thempfn}%
12295   \endgroup
12296   \ifx\@footnotetext\@mpfootnotetext
12297     \expandafter\H@\mpfootnotetext
12298   \else
12299     \expandafter\H@\footnotetext
12300   \fi
12301 }%
12302 \def\@xRTLfootnotenext[#1]{%
12303 \begingroup
12304   \csname c@\mpfn\endcsname #1\relax
12305   \unrestored@protected@xdef\@thefnmark{\thempfn}%
12306 \endgroup
12307 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12308   \expandafter\HRTL@\mpRTLfootnotetext
12309 \else
12310   \expandafter\HRTL@\RTLfootnotetext
12311 \fi
12312 }%
12313 \def\@xLTRfootnotenext[#1]{%
12314 \begingroup
12315   \csname c@\mpfn\endcsname #1\relax
12316   \unrestored@protected@xdef\@thefnmark{\thempfn}%
12317 \endgroup
12318 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12319   \expandafter\HLTR@\mpLTRfootnotetext
12320 \else
12321   \expandafter\HLTR@\LTRfootnotetext
12322 \fi
12323 }%
12324 \def\@xfootnotemark[#1]{%
12325 \begingroup
12326   \c@footnote #1\relax
12327   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12328 \endgroup
12329   \H@\footnotemark
12330 }%
12331 \let\H@\mpfootnotetext\@mpfootnotetext
12332 \let\HRTL@\mpRTLfootnotetext\@mpRTLfootnotetext
12333 \let\HLTR@\mpLTRfootnotetext\@mpLTRfootnotetext
12334 \long\def\@mpfootnotetext#1{%
12335   \H@\mpfootnotetext{%
12336     \ifHy@nesting
12337       \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12338     \else
12339       \Hy@raisedlink{%
12340         \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12341       }#1%
12342   \fi

```



```

12343 }%
12344 }%
12345 \long\def\@mpRTLfootnotetext#1{%
12346 \HRTL@mpRTLfootnotetext{%
12347 \ifHy@nesting
12348 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12349 \else
12350 \Hy@raisedlink{%
12351 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12352 }#1%
12353 \fi
12354 }%
12355 }%
12356 \long\def\@mpLTRfootnotetext#1{%
12357 \HLTR@mpLTRfootnotetext{%
12358 \ifHy@nesting
12359 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12360 \else
12361 \Hy@raisedlink{%
12362 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12363 }#1%
12364 \fi
12365 }%
12366 }%
12367 \long\def\@footnotetext#1{%
12368 \H@@footnotetext{%
12369 \ifHy@nesting
12370 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12371 \else
12372 \Hy@raisedlink{%
12373 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12374 }%
12375 \let\@currentHlabel\Hy@footnote@currentHlabel
12376 \let\@currentHref\Hy@footnote@currentHref
12377 \let\@currentlabelname\@empty
12378 #1%
12379 \fi
12380 }%
12381 }%
12382 \long\def\@RTLfootnotetext#1{%
12383 \HRTL@RTLfootnotetext{%
12384 \ifHy@nesting
12385 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12386 \else
12387 \Hy@raisedlink{%
12388 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12389 }%
12390 \let\@currentHlabel\Hy@footnote@currentHlabel
12391 \let\@currentHref\Hy@footnote@currentHref
12392 \let\@currentlabelname\@empty

```





```

12393     #1%
12394     \fi
12395   }%
12396 }%
12397 \long\def\@LTRfootnotetext#1{%
12398 \HLTR@@LTRfootnotetext{%
12399   \ifHy@nesting
12400     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12401   \else
12402     \Hy@raisedlink{%
12403       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12404     }%
12405     \let\@currentHlabel\Hy@footnote@currentHlabel
12406     \let\@currentHref\Hy@footnote@currentHref
12407     \let\@currentlabelname\@empty
12408     #1%
12409   \fi
12410 }%
12411 }%
12412 \@ifpackageloaded{tabularx}{%
12413 \let\HyOrg@TX@endtabularx\TX@endtabularx
12414 \def\Hy@tabularx@hook{%
12415   \let\@footnotetext\H@@footnotetext
12416   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12417   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12418   \let\@footnotemark\H@@footnotemark
12419   \let\@mpfootnotetext\H@@mpfootnotetext
12420   \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
12421   \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
12422 }%
12423 \begingroup
12424 \toks@\expandafter{\TX@endtabularx}%
12425 \xdef\Hy@gtemp{%
12426   \noexpand\Hy@tabularx@hook
12427   \the\toks@
12428 }%
12429 \endgroup
12430 \let\TX@endtabularx\Hy@gtemp
12431 }{}%
12432 \@ifpackageloaded{longtable}{%
12433 \CheckCommand*{\LT@p@LTRftntext}[1]{%
12434   \edef\@tempa{%
12435     \the\LT@p@ftn
12436     \noexpand\LTRfootnotetext[\the\c@footnote]}%
12437   }%
12438   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12439 }%
12440 \long\def\LT@p@LTRftntext#1{%
12441   \edef\@tempa{%
12442     \the\LT@p@ftn

```



```

12443     \begingroup
12444         \noexpand\c@footnote=\the\c@footnote\relax
12445         \noexpand\protected@xdef\noexpand\@thefnmark{%
12446             \noexpand\thempfn
12447         }%
12448         \noexpand\Hy@LT@LTRfootnotetext{%
12449             \Hy@footnote@currentHref
12450         }%
12451     }%
12452     \global\LT@p@ftn\expandafter{%
12453         \@tempa{#1}%
12454     \endgroup
12455 }%
12456 }%
12457 \long\def\Hy@LT@LTRfootnotetext#1#2{%
12458     \HLTR@@LTRfootnotetext{%
12459         \ifHy@nesting
12460             \hyper@@anchor{#1}{#2}%
12461         \else
12462             \Hy@raisedlink{%
12463                 \hyper@@anchor{#1}{\relax}%
12464             }%
12465         \def\@currentHref{#1}%
12466         \let\@currentlabelname\@empty
12467         #2%
12468     \fi
12469 }%
12470 }%
12471 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12472     \edef\@tempa{%
12473         \the\LT@p@ftn
12474         \noexpand\RTLfootnotetext[\the\c@footnote]%
12475     }%
12476     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12477 }%
12478 \long\def\LT@p@RTLftntext#1{%
12479     \edef\@tempa{%
12480         \the\LT@p@ftn
12481     \begingroup
12482         \noexpand\c@footnote=\the\c@footnote\relax
12483         \noexpand\protected@xdef\noexpand\@thefnmark{%
12484             \noexpand\thempfn
12485         }%
12486         \noexpand\Hy@LT@RTLfootnotetext{%
12487             \Hy@footnote@currentHref
12488         }%
12489     }%
12490     \global\LT@p@ftn\expandafter{%
12491         \@tempa{#1}%
12492     \endgroup

```



```

12493     }%
12494   }%
12495   \long\def\Hy@LT@RTLfootnotetext#1#2{%
12496     \HRTL@RTLfootnotetext{%
12497       \ifHy@nesting
12498         \hyper@@anchor{#1}{#2}%
12499       \else
12500         \Hy@raisedlink{%
12501           \hyper@@anchor{#1}{\relax}%
12502         }%
12503         \def\@currentHref{#1}%
12504         \let\@currentlabelname\@empty
12505         #2%
12506       \fi
12507     }%
12508   }%
12509 }{}%
12510 \@ifpackageloaded{bidipoem}{%
12511 \long\def\bidipoem@p@ftntext#1{%
12512   \edef\@temp#1{%
12513     \the\bidipoem@p@ftn
12514     \beginngroup
12515       \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12516       \noexpand\protected@xdef\noexpand\@thefnmark{%
12517         \noexpand\thempfn
12518       }%
12519       \noexpand\Hy@bidipoem@footnotetext{%
12520         \Hy@footnote@currentHref
12521       }%
12522     }%
12523     \global\bidipoem@p@ftn\expandafter{%
12524       \@temp#1}%
12525     \endgroup
12526   }%
12527 }%
12528 \long\def\Hy@bidipoem@footnotetext#1#2{%
12529   \H@@footnotetext{%
12530     \ifHy@nesting
12531       \hyper@@anchor{#1}{#2}%
12532     \else
12533       \Hy@raisedlink{%
12534         \hyper@@anchor{#1}{\relax}%
12535       }%
12536       \def\@currentHref{#1}%
12537       \let\@currentlabelname\@empty
12538       #2%
12539     \fi
12540   }%
12541 }%
12542 \long\def\bidipoem@p@LTRftntext#1{%

```



```

12543 \edef\@tempxi{%
12544 \the\bidipoem@p@ftn
12545 \begingroup
12546 \noexpand\csname c@\mpfn\endcsname=\the\csname c@\mpfn\endcsname\relax
12547 \noexpand\protected@xdef\noexpand\@thefnmark{%
12548 \noexpand\thempfn
12549 }%
12550 \noexpand\Hy@bidipoem@LTRfootnotetext{%
12551 \Hy@footnote@currentHref
12552 }%
12553 }%
12554 \global\bidipoem@p@ftn\expandafter{%
12555 \@tempxi{#1}%
12556 \endgroup
12557 }%
12558 }%
12559 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12560 \HLTR@LTRfootnotetext{%
12561 \ifHy@nesting
12562 \hyper@@anchor{#1}{#2}%
12563 \else
12564 \Hy@raisedlink{%
12565 \hyper@@anchor{#1}{\relax}%
12566 }%
12567 \def\@currentHref{#1}%
12568 \let\@currentlabelname\@empty
12569 #2%
12570 \fi
12571 }%
12572 }%
12573 \long\def\bidipoem@p@RTLftntext#1{%
12574 \edef\@tempxii{%
12575 \the\bidipoem@p@ftn
12576 \begingroup
12577 \noexpand\csname c@\mpfn\endcsname=\the\csname c@\mpfn\endcsname\relax
12578 \noexpand\protected@xdef\noexpand\@thefnmark{%
12579 \noexpand\thempfn
12580 }%
12581 \noexpand\Hy@bidipoem@RTLfootnotetext{%
12582 \Hy@footnote@currentHref
12583 }%
12584 }%
12585 \global\bidipoem@p@ftn\expandafter{%
12586 \@tempxii{#1}%
12587 \endgroup
12588 }%
12589 }%
12590 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12591 \HRTL@RTLfootnotetext{%
12592 \ifHy@nesting

```



```

12593         \hyper@@anchor{#1}{#2}%
12594     \else
12595         \Hy@raisedlink{%
12596             \hyper@@anchor{#1}{\relax}%
12597         }%
12598     \def\@currentHref{#1}%
12599     \let\@currentlabelname\@empty
12600     #2%
12601     \fi
12602 }%
12603 }%
12604 }{}%
12605 \let\HyOrg@maketitle\maketitle
12606 \def\maketitle{%
12607     \let\Hy@saved@footnotemark\@footnotemark
12608     \let\Hy@saved@footnotetext\@footnotetext
12609     \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12610     \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12611     \let\@footnotemark\H@@footnotemark
12612     \let\@footnotetext\H@@footnotetext
12613     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12614     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12615     \@ifnextchar[\Hy@maketitle@optarg{% ]
12616         \HyOrg@maketitle
12617         \Hy@maketitle@end
12618     }%
12619 }%
12620 \def\Hy@maketitle@optarg[#1]{%
12621     \HyOrg@maketitle[#{#1}]%
12622     \Hy@maketitle@end
12623 }%
12624 \def\Hy@maketitle@end{%
12625     \ifx\@footnotemark\H@@footnotemark
12626         \let\@footnotemark\Hy@saved@footnotemark
12627         \fi
12628     \ifx\@footnotetext\H@@footnotetext
12629         \let\@footnotetext\Hy@saved@footnotetext
12630         \fi
12631     \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12632         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12633         \fi
12634     \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12635         \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12636         \fi
12637 }%
12638 \def\realfootnote{%
12639     \@ifnextchar[\@xfootnote{%
12640         \stepcounter{\@mpfn}%
12641         \protected@xdef\@thefnmark{\thempfn}%
12642         \H@@footnotemark\H@@footnotetext

```



```

12643 }%
12644 }%
12645 \fi
12646 \def\Hy@BeginAnnot#1{%
12647 \ifmmode\else\beginL\fi%
12648 \global\advance\c@Hy@AnnotLevel\@ne
12649 \ifnum\c@Hy@AnnotLevel=\@ne
12650 #1%
12651 \fi
12652 }
12653 \def\Hy@endAnnot{%
12654 \ifnum\c@Hy@AnnotLevel=\@ne
12655 \Hy@endcolorlink
12656 \@pdfm@mark{eann}%
12657 \fi
12658 \global\advance\c@Hy@AnnotLevel\m@ne
12659 \ifmmode\else\endL\fi%
12660 }
12661 \def\hyper@link#1#2#3{%
12662 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi%
12663 }
12664 \def\hyper@linkfile#1#2#3{%
12665 \leavevmode
12666 \Hy@BeginAnnot{%
12667 \def\Hy@pstringF{#2}%
12668 \Hy@CleanupFile\Hy@pstringF
12669 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12670 \Hy@pstringdef\Hy@pstringD{#3}%
12671 \Hy@MakeRemoteAction
12672 \@pdfm@mark{%
12673 bann<<%
12674 /Type/Annot%
12675 /Subtype/Link%
12676 \ifHy@pdfa /F 4\fi
12677 \Hy@setpdfborder
12678 \ifx\@filebordercolor\relax
12679 \else
12680 /C[\@filebordercolor]%
12681 \fi
12682 /A<<%
12683 /S/GoToR%
12684 /F(\Hy@pstringF)%
12685 /D%
12686 \ifx\#3\%
12687 [\Hy@href@page\@pdfremotestartview]%
12688 \else
12689 (\Hy@pstringD)%
12690 \fi
12691 \Hy@SetNewWindow
12692 \Hy@href@nextactionraw

```



```

12693     >>%
12694     >>%
12695     }%
12696     \Hy@colorlink\@filecolor
12697 }%
12698 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12699 \Hy@EndAnnot
12700 }
12701 \def\@hyper@launch run:#1\|#2#3{% filename, anchor text linkname
12702 \leavevmode
12703 \Hy@BeginAnnot{%
12704 \Hy@pstringdef\Hy@pstringF{#1}%
12705 \Hy@pstringdef\Hy@pstringP{#3}%
12706 \@pdfm@mark{%
12707     bann<<%
12708         /Type/Annot%
12709         /Subtype/Link%
12710         \ifHy@pdfa /F 4\fi
12711         \Hy@setpdfborder
12712         \ifx\@runbordercolor\relax
12713         \else
12714         /C[\@runbordercolor]%
12715         \fi
12716         /A<<%
12717         /F(\Hy@pstringF)%
12718         /S/Launch%
12719         \Hy@SetNewWindow
12720         \ifx\|#3\%
12721         \else
12722         /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12723         \fi
12724         \Hy@href@nextactionraw
12725     >>%
12726     >>%
12727     }%
12728     \Hy@colorlink\@runcolor
12729 }%
12730 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12731 \Hy@EndAnnot
12732 }
12733 \def\hyper@linkurl#1#2{%
12734 \leavevmode
12735 \Hy@BeginAnnot{%
12736 \Hy@pstringdef\Hy@pstringURI{#2}%
12737 \@pdfm@mark{%
12738     bann<<%
12739         /Type/Annot%
12740         /Subtype/Link%
12741         \ifHy@pdfa /F 4\fi
12742         \Hy@setpdfborder

```



```

12743     \ifx\@urlbordercolor\relax
12744     \else
12745         /C[\@urlbordercolor]%
12746     \fi
12747     /A<<%
12748         /S/URI%
12749         /URI(\Hy@pstringURI)%
12750         \ifHy@href@ismap
12751             /IsMap true%
12752         \fi
12753         \Hy@href@nextactionraw
12754     >>%
12755 >>%
12756 }%
12757     \Hy@colorlink\@urlcolor
12758 }%
12759 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12760 \Hy@EndAnnot
12761 }
12762 \def\Acrobatmenu#1#2{%
12763     \Hy@Acrobatmenu{#1}{#2}{%
12764         \Hy@BeginAnnot{%
12765             \EdefEscapeName\Hy@temp@menu{#1}%
12766             \@pdfm@mark{%
12767                 bann<<%
12768                     /Type/Annot%
12769                     /Subtype/Link%
12770                     \ifHy@pdfa /F 4\fi
12771                     \Hy@setpdfborder
12772                     \ifx\@menubordercolor\relax
12773                         \else
12774                             /C[\@menubordercolor]%
12775                         \fi
12776                     /A<<%
12777                         /S/Named%
12778                         /N/\Hy@temp@menu
12779                         \Hy@href@nextactionraw
12780                     >>%
12781                 >>%
12782             }%
12783             \Hy@colorlink\@menucolor
12784         }%
12785         \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12786         \Hy@EndAnnot
12787     }%
12788 }
12789 \def\hyper@natlinkstart#1{%
12790     \Hy@backout{#1}%
12791     \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12792     \def\hyper@nat@current{#1}%

```





```

12793 }
12794 \def\hyper@natlinkend{%
12795   \if@RTL\endR\fi\hyper@linkend
12796 }
12797 \def\hyper@natlinkbreak#1#2{%
12798   \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12799 }%
12800 }
12801 \pdfstringdefDisableCommands{%
12802 \let\LRE\@firstofone
12803 \let\LR\@firstofone
12804 \let\RLE\@firstofone
12805 \let\RL\@firstofone
12806 \def\XeTeX{Xe\TeX}%
12807 \def\XeLaTeX{Xe\LaTeX}%
12808 }
12809 \@ifpackageloaded{longtable}{%
12810   \begingroup
12811     \def\y{LT@array}%
12812     \@ifundefined{scr@LT@array}{%
12813       \@ifundefined{adl@LT@array}{\def\y{adl@LT@array}}%
12814     }\def\y{scr@LT@array}}%
12815     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12816       \expandafter\endgroup
12817       \expandafter\def\y[##1]##2{%
12818         \H@refstepcounter{#1}%
12819         \hyper@makecurrent{table}%
12820         \let\Hy@LT@currentHref\@currentHref
12821         #2\@sharp###4%
12822       }%
12823     }%
12824     \expandafter\expandafter\expandafter\x\y[##1][##2]\@nil
12825   \begingroup
12826     \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12827     \endgroup
12828     \def\LT@start{%
12829       #1%
12830       \ifvoid\LT@foot#2\fi
12831       \let\@currentHref\Hy@LT@currentHref
12832       \Hy@raisedlink{%
12833         \hyper@anchorstart{\@currentHref}\hyper@anchorend
12834       }%
12835       #3%
12836     }%
12837   }%
12838 \expandafter\x\LT@start\@nil
12839 }{}
12840 \bidi@patchcmd\@TextField{%
12841   \@pdfm@mark
12842 }{}%

```



```

12843 \if@RTL
12844 \hskip\Fld@width
12845 \fi
12846 \@pdfm@mark
12847 }{}{}
12848 \bidi@patchcmd\@TextField{%
12849 \unhbox
12850 }{%
12851 \if@RTL
12852 \hskip-\Fld@width
12853 \fi
12854 \unhbox
12855 }{}{}
12856 \bidi@patchcmd\@@Radio{%
12857 \@pdfm@mark
12858 }{%
12859 \if@RTL
12860 \hskip\Fld@width
12861 \fi
12862 \@pdfm@mark
12863 }{}{}
12864 \bidi@patchcmd\@@Radio{%
12865 \unhcopy
12866 }{%
12867 \if@RTL
12868 \hskip-\Fld@width
12869 \fi
12870 \unhcopy
12871 }{}{}
12872 \bidi@patchcmd\@Submit{%
12873 \@pdfm@mark
12874 }{%
12875 \if@RTL
12876 \null
12877 \hskip\wd\pdfm@box
12878 \fi
12879 \@pdfm@mark
12880 }{}{}
12881 \bidi@patchcmd\@Submit{%
12882 \unhbox
12883 }{%
12884 \if@RTL
12885 \hskip-\wd\pdfm@box
12886 \fi
12887 \unhbox
12888 }{}{}
12889 \bidi@patchcmd\@Reset{%
12890 \@pdfm@mark
12891 }{%
12892 \if@RTL

```



```

12893 \null
12894 \hskip\wd\pdfm@box
12895 \fi
12896 \@pdfm@mark
12897 }{}{}
12898 \bidi@patchcmd\@Reset{%
12899 \unhbox
12900 }{%
12901 \if@RTL
12902 \hskip-\wd\pdfm@box
12903 \fi
12904 \unhbox
12905 }{}{}

```

## 71 File `imsproc-xetex-bidi.def`

```

12906 \ProvidesFile{imsproc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspoc class for ]
12907 \newenvironment{thebibliography}[1]{%
12908 \@bibtitlestyle
12909 \normalfont\bibliofont\labelsep .5em\relax
12910 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
12911 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12912 \bidi@@thebibliography@font@hook
12913 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12914 \leftmargin\labelwidth \advance\leftmargin\labelsep
12915 \usecounter{enumiv}}%
12916 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12917 \sfcode\.\@m
12918 }{%
12919 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12920 \endlist
12921 }
12922
12923 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12924 \columnseprule\z@ \columnsep 35\p@
12925 \@indextitlestyle
12926 \thispagestyle{plain}%
12927 \let\item\@idxitem
12928 \parindent\z@ \parskip\z@\@plus.3\p@\relax
12929 \if@RTL\raggedleft\else\raggedright\fi
12930 \hyphenpenalty\@M
12931 \footnotesize}
12932 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12933 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12934 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12935
12936 \def\right@footnoterule{%
12937 \kern-.4\p@
12938 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12939 \kern11\p@\kern-\footnotesep}

```



```

12940 \def\left@footnoterule{\kern-.4\p@
12941 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12942 \def\@makefnmark{%
12943 \leavevmode
12944 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
12945 }
12946
12947 \def\part{\@startsection{part}{0}%
12948 \z@\linespacing\@plus\linespacing}{.5\linespacing}%
12949 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12950 \def\@tocline#1#2#3#4#5#6#7{\relax
12951 \ifnum #1>\c@tocdepth % then omit
12952 \else
12953 \par \addpenalty\@secpenalty\addvspace{#2}%
12954 \begingroup \hyphenpenalty\@M
12955 \ifempty{#4}{%
12956 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12957 }{%
12958 \@tempdima#4\relax
12959 }%
12960 \parindent\z@ \if@RTL\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\leftskip\fi#4\relax
12961 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12962 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12963 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12964 \nobreak
12965 \endgroup
12966 \fi}
12967 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12968 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
12969 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
12970 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
12971 \def\maketitle{\par
12972 \@topnum\z@ % this prevents figures from falling at the top of page 1
12973 \@setcopyright
12974 \thispagestyle{firstpage}% this sets first page specifications
12975 \uppercase\nonmath\shorttitle
12976 \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12977 \else \andify\shortauthors
12978 \fi
12979 \@maketitle@hook
12980 \begingroup
12981 \@maketitle
12982 \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
12983 \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
12984 \edef\@tempa{%
12985 \nx\markboth{\the\toks4
12986 \nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12987 \@tempa
12988 \endgroup
12989 \c@footnote\z@

```



```

12990 \@cleartopmattertags
12991 }

```

## 72 File leqno-xetex-bidi.def

```

12992 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX e
12993 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12994 \rlap{\hskip -\displaywidth
12995 \{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}

```

## 73 File letter-xetex-bidi.def

```

12996 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
12997 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
12998 \thispagestyle{firstpage}%
12999 \{\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
13000 \else % home address
13001 \thispagestyle{empty}%
13002 \{\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
13003 \fromaddress \*[2\parskip]%
13004 \@date \end{tabular}\par}%
13005 \fi
13006 \vspace{2\parskip}%
13007 \{\if@RTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
13008 \vspace{2\parskip}%
13009 #1\par\nobreak}
13010 \renewcommand\left@footnoterule{%
13011 \kern-\p@
13012 \hrule \@width .4\columnwidth
13013 \kern .6\p@}
13014 \renewcommand\right@footnoterule{%
13015 \kern-\p@
13016 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
13017 \kern .6\p@}

```

## 74 File lettrine-xetex-bidi.def

```

13018 \ProvidesFile{lettrine-xetex-bidi.def}[2018/10/01 v0.6 bidi adaptations for lettrine package
13019 \def\@lettrine[#1]#2#3{%
13020 \def\l@initial{#2}\let\l@refstring\l@initial
13021 \setcounter{L@lines}{\value{DefaultLines}}%
13022 \setcounter{L@depth}{\value{DefaultDepth}}%
13023 \renewcommand*\L@hang{\DefaultLhang}%
13024 \renewcommand*\L@oversize{\DefaultLoversize}%
13025 \renewcommand*\L@raise{\DefaultLraise}%
13026 \renewcommand*\L@ante{}%
13027 \setlength{\L@Findent}{\DefaultFindent}%
13028 \setlength{\L@Nindent}{\DefaultNindent}%
13029 \setlength{\L@slope}{\DefaultSlope}%
13030 \setlength{\L@novskip}{\DiscardVskip}%

```



```

13031 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
13032 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
13033 \ifLettrineRealHeight\L@realhtrue\else\L@realhfalse\fi
13034 \ifLettrineSelfRef\L@selfreftrue\else\L@selfreffalse\fi
13035 \setkeys{L}{#1}%
13036 \sbox{\L@tbox}{\LettrineTextFont{\LettrineSecondString}}%
13037 \ifL@realh
13038   \def\@tempa{#3}%
13039   \ifx\@tempa\@empty
13040     \PackageWarning{lettrine.sty}%
13041       {Empty second argument,\MessageBreak
13042         ignoring option `realheight';}%
13043   \else
13044     \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13045   \fi
13046 \fi
13047 \if\DefaultOptionsFile\relax
13048 \else
13049   \begingroup
13050   \InputIfFileExists{\DefaultOptionsFile}%
13051     {}%
13052     {\PackageWarning{lettrine.sty}%
13053       {File \DefaultOptionsFile\space not found}%
13054     }%
13055   \def\color##1##{\l@color{##1}}%
13056   \let\l@color\@gobbletwo
13057   \def\textcolor##1##{\l@textcolor{##1}}%
13058   \def\l@textcolor##1##2##3{##3}%
13059   \expandafter\ifx\csname l@#2-keys\endcsname\relax
13060     \gdef\l@LOKeys{}%
13061   \else
13062     \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
13063   \fi
13064 \endgroup
13065 \def\KV@prefix{KV@L@}%
13066 \let\@tempc\relax
13067 \expandafter\KV@do\l@LOKeys,\relax,
13068 \setupL@lbox
13069 \setlength{\LettrineWidth}{\wd\L@lbox}%
13070 \def\KV@prefix{KV@L@}%
13071 \let\@tempc\relax
13072 \expandafter\KV@do\l@LOKeys,\relax,
13073 \setkeys{L}{#1}%
13074 \fi
13075 \setupL@lbox
13076 \setlength{\LettrineWidth}{\wd\L@lbox}%
13077 \setlength{\LettrineHeight}{\ht\L@lbox}%
13078 \setlength{\LettrineDepth}{\dp\L@lbox}%
13079 \begingroup
13080 \def\IeC##1{##1}%

```



```

13081 \@tempdima=\L@oversize pt\relax
13082 \PackageInfo{lettrine.sty}%
13083   {Targeted height = \the\L@target@tth\MessageBreak
13084     (no accent, loversize=0),\MessageBreak
13085     Lettrine height = \the\LettrineHeight\space (#2)%
13086     \ifdim\@tempdima=\z@\else\space loversize=\L@oversize\fi;%
13087     \MessageBreak reported}%
13088 \endgroup
13089 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
13090 \setlength{\L@first}{\LettrineHeight}%
13091 \setlength{\L@lraise}{\L@raise\L@target@tth}%
13092 \addtolength{\L@first}{\L@lraise}%
13093 \ifnum\value{L@lines}=1
13094   \addtolength{\L@first}{-\ht\L@tbox}%
13095 \else
13096   \addtolength{\L@first}{-\L@target@tth}%
13097   \addtolength{\L@lraise}{-\L@target@dp}%
13098 \fi
13099 \par
13100 \ifdim\L@first>\L@novskip
13101   \ifL@grid
13102     \@tempdima=\baselineskip
13103     \@tempdimb=\@tempdima
13104     \advance\@tempdimb by \L@novskip
13105     \@tempcnta=1
13106     \loop\ifdim\L@first>\@tempdimb
13107       \advance\@tempcnta by 1
13108       \advance\L@first by -\@tempdima
13109     \repeat
13110     \L@first=\@tempcnta\baselineskip
13111   \fi
13112   \vskip\L@first
13113 \fi
13114 \setlength{\L@Pindent}{\wd\L@lbox}%
13115 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
13116 \settowidth{\L@first}{\L@ante}%
13117 \addtolength{\L@Pindent}{\L@first}%
13118 \addtolength{\L@Pindent}{\L@Findent}%
13119 \setlength{\L@first}{\linewidth}%
13120 \addtolength{\L@first}{-\L@Pindent}%
13121 \addtolength{\L@Nindent}{\L@Pindent}%
13122 \setlength{\L@next}{\linewidth}%
13123 \addtolength{\L@next}{-\L@Nindent}%
13124 \addtolength{\L@Pindent}{\rightmargin}%
13125 \addtolength{\L@Nindent}{\rightmargin}%
13126 \addtocounter{L@lines}{1}%
13127 \addtocounter{L@lines}{\value{L@depth}}%
13128 \if@RTL
13129   \def\L@parshape{\c@L@lines \z@ \the\L@first}%
13130 \else

```



```

13131 \def\L@parshape{\c@L@lines \the\L@Pindent \the\L@first}%
13132 \fi
13133 \@tempcnta=\tw@
13134 \@whilenum \tempcnta<\c@L@lines\do{%
13135 \if@RTL
13136 \edef\L@parshape{\L@parshape \z@ \the\L@next}%
13137 \else
13138 \edef\L@parshape{\L@parshape \the\L@Nindent \the\L@next}%
13139 \fi
13140 \addtolength{\L@Nindent}{\L@slope}%
13141 \addtolength{\L@next}{-\L@slope}%
13142 \advance\@tempcnta@ne}%
13143 \if@RTL
13144 \edef\L@parshape{\L@parshape \z@ \the\linewidth}%
13145 \else
13146 \edef\L@parshape{\L@parshape \rightmargin \the\linewidth}%
13147 \fi
13148 \noindent
13149 \parshape=\L@parshape\relax
13150 \smash{\llap{\mbox{\L@ante}\raisebox{\L@raise}{\usebox{\L@lbox}}}%
13151 \hskip \the\L@Findent}}%
13152 \usebox{\L@tbox}%
13153 }

```

## 75 File `lineno-xetex-bidi.def`

```

13154 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for X
13155 \bidi@patchcmd{\MakeLineNo}{%
13156 \hb@xt@\z@{\makeLineNumber}%
13157 }{%
13158 \hboxL to \z@{\makeLineNumber}%
13159 }{}{}
13160
13161 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
13162 \if@RTL
13163 \hb@xt@\linewidthwidth{\LineNumber\hss}%
13164 \else
13165 \LineNumber
13166 \fi
13167 }{}{}
13168
13169 \bidi@patchcmd{\makeLineNumberRight}{%
13170 \hb@xt@\linewidthwidth{\hss\LineNumber}%
13171 }{%
13172 \if@RTL
13173 \LineNumber
13174 \else
13175 \hb@xt@\linewidthwidth{\hss\LineNumber}%
13176 \fi
13177 }{}{}

```





```

13178
13179 \bidi@AfterPreamble{%
13180   \if@RTLmain
13181     \rightlinenumbers*
13182   \else
13183     \leftlinenumbers*
13184   \fi
13185   \@ifpackagewith{lineno}{left}{%
13186     \leftlinenumbers*
13187   }{}
13188   \@ifpackagewith{lineno}{right}{%
13189     \rightlinenumbers*
13190   }{}
13191 }
13192

```

## 76 File listings-xetex-bidi.def

```

13193 \ProvidesFile{listings-xetex-bidi.def}[2018/09/15 v1.5 bidi adaptations for listings package]
13194 \lst@Key{captiondirection}{textdirection}{%
13195   \lstKV@SwitchCases{#1}%
13196   {textdirection:\\%
13197     RTL:\chardef\bidi@lst@caption@direction\@ne\\%
13198     LTR:\chardef\bidi@lst@caption@direction\z@%
13199   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13200
13201 \lst@Key{captionscript}{textscript}{%
13202   \lstKV@SwitchCases{#1}%
13203   {textscript:\\%
13204     latin:\chardef\bidi@lst@caption@script\@ne\\%
13205     nonlatin:\chardef\bidi@lst@caption@script\z@%
13206   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13207
13208 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
13209   \@ifundefined{bidi@lst@caption@direction}{-}{%
13210     \ifnum\bidi@lst@caption@direction=\z@%
13211       #1%
13212     \else%
13213       \ifnum\bidi@lst@caption@direction=\@ne%
13214         #2%
13215       \fi%
13216     \fi%
13217 }}
13218
13219 \newcommand*{\bidi@lst@ensure@caption@script}[2]{%
13220   \@ifundefined{bidi@lst@caption@script}{-}{%
13221     \ifnum\bidi@lst@caption@script=\z@%
13222       #1%
13223     \else%
13224       \ifnum\bidi@lst@caption@script=\@ne%

```



```

13225             #2%
13226             \fi%
13227         \fi%
13228 }}
13229
13230 \long\def\@bidi@lst@makecaption#1#2{%
13231     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13232     \vskip\abovecaptionskip
13233     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13234     \sbox\@tempboxa{%
13235         \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
13236         #1: #2%
13237         \bidi@lst@ensure@caption@direction{\endL}{\endR}%
13238     }%
13239     \ifdim \wd\@tempboxa >\hsize
13240         #1: #2\par
13241     \else
13242         \global \@minipagefalse
13243         \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13244     \fi
13245     \vskip\belowcaptionskip}%
13246 \def\lst@makecaption{\@bidi@lst@makecaption}
13247 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
13248 \bidi@AtEndPreamble{%
13249 \bidi@patchcmd{\lst@MakeCaption}{%
13250     \ifx #1%
13251         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13252             \expandafter\refstepcounter
13253         \fi {lstlisting}}%
13254 }{%
13255     \ifx #1%
13256         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13257         \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13258             \expandafter\refstepcounter
13259         \fi {lstlisting}}%
13260         \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13261 }-{}-%
13262 \bidi@patchcmd{\lst@MakeCaption}{%
13263     \addcontentsline{lol}{lstlisting}%
13264     {\protect\numberline{\thelstlisting}\lst@@caption}%
13265 }-{}-%
13266 \begingroup%
13267     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13268     \addcontentsline{lol}{lstlisting}%
13269     {\protect\numberline{\thelstlisting}\lst@@caption}%
13270 \endgroup%
13271 }-{}-%
13272 }
13273 \@ifpackageloaded{caption}{%
13274     \AtBeginCaption{%

```



```

13275 \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13276 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13277 }
13278 \let\bidi@lst@makecaption\caption@makecaption%
13279 \def\lst@makecaption{\caption@starfalse\bidi@lst@makecaption}%
13280 \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}%
13281 }{%
13282 \AtBeginDocument{%
13283 \@ifundefined{captionlabelfalse}{}{%
13284 \def\lst@maketitle{\captionlabelfalse\bidi@lst@makecaption\@empty}}%
13285 \@ifundefined{caption@startrue}{}{%
13286 \def\lst@maketitle{\caption@startrue\bidi@lst@makecaption\@empty}}%
13287 }%
13288 }
13289 \AtBeginDocument{
13290 \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{}
13291 \lst@ifnumberbychapter
13292 \gdef\thelstlisting%
13293 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13294 \else
13295 \gdef\thelstlisting{\@arabic\c@lstlisting}
13296 \fi}

```

## 77 File loadingorder-xetex-bidi.def

```

13297 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
13298 \bidi@isloaded{amsmath}
13299 \bidi@isloaded{amstext}
13300 \bidi@isloaded{amsthm}
13301 \bidi@isloaded{animate}
13302 \bidi@isloaded{breqn}
13303 \bidi@isloaded{cals}
13304 \bidi@isloaded{caption}
13305 \bidi@isloaded{crop}
13306 \bidi@isloaded{cuted}
13307 \bidi@isloaded{cutwin}
13308 \bidi@isloaded{color}
13309 \bidi@isloaded{dblfnote}
13310 \bidi@isloaded{diagbox}
13311 \bidi@isloaded{xcolor}
13312 \bidi@isloaded{colortbl}
13313 \bidi@isloaded{float}
13314 \bidi@isloaded{floatrow}
13315 \bidi@isloaded{flowfram}
13316 \bidi@isloaded{framed}
13317 \bidi@isloaded{ftnright}
13318 \bidi@isloaded{xltextra}
13319 \bidi@isloaded{xunicode}
13320 \bidi@isloaded{wrapfig}
13321 \bidi@isloaded{graphicx}

```



```

13322 \bidi@isloaded{geometry}
13323 \bidi@isloaded{hvfloat}
13324 \bidi@isloaded{mdframed}
13325 \bidi@isloaded{midfloat}
13326 \bidi@isloaded{ntheorem}
13327 \bidi@isloaded{ntheorem-hyper}
13328 \bidi@isloaded{hyperref}
13329 \bidi@isloaded{fancybox}
13330 \bidi@isloaded{fancyhdr}
13331 \bidi@isloaded{fix2col}
13332 \bidi@isloaded{draftwatermark}
13333 \bidi@isloaded{empheq}
13334 \bidi@isloaded{overpic}
13335 \bidi@isloaded{pdfpages}
13336 \bidi@isloaded{listings}
13337 \bidi@isloaded{lettrine}
13338 \bidi@isloaded{lineno}
13339 \bidi@isloaded{media9}
13340 \bidi@isloaded{pstricks}
13341 \bidi@isloaded{pgf}
13342 \bidi@isloaded{picinpar}
13343 \bidi@isloaded{quotchap}
13344 \bidi@isloaded{tikz}
13345 \bidi@isloaded{titlesec}
13346 \bidi@isloaded{titletoc}
13347 \bidi@isloaded{array}
13348 \bidi@isloaded{soul}
13349 \bidi@isloaded{stabular}
13350 \bidi@isloaded{subfig}
13351 \bidi@isloaded{subfigure}
13352 \bidi@isloaded{supertabular}
13353 \bidi@isloaded{xtab}
13354 \bidi@isloaded{longtable}
13355 \bidi@isloaded{arydshln}
13356 \bidi@isloaded{multicol}
13357 \bidi@isloaded{multienum}
13358 \bidi@isloaded{minitoc}
13359 \bidi@isloaded{natbib}
13360 \bidi@isloaded{newfloat}
13361 \bidi@isloaded{ragged2e}
13362 \bidi@isloaded{rotating}
13363 \bidi@isloaded{tbls}
13364 \bidi@isloaded{tabulary}
13365 \bidi@isloaded{tocbasic}
13366 \bidi@isloaded{tocstyle}
13367 \bidi@isloaded{tocbibind}
13368 \bidi@isloaded{fontspec}
13369 \bidi@isloaded{arabxetex}
13370 \bidi@isloaded{polyglossia}
13371 \bidi@isloaded{fancyvrb}

```



```

13372 \AtBeginDocument{
13373   \if@bidi@amsmathloaded@else
13374     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}
13375     \fi%
13376     \if@bidi@amstextloaded@else
13377       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package}
13378       \fi%
13379       \if@bidi@amsthmloaded@else
13380         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package}
13381         \fi%
13382         \if@bidi@animateloaded@else
13383           \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package}
13384           \fi%
13385           \if@bidi@breqnloaded@else
13386             \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package}
13387             \fi%
13388             \if@bidi@calsloaded@else
13389               \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package.}
13390               \fi%
13391               \if@bidi@captionloaded@else
13392                 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package}
13393                 \fi%
13394                 \if@bidi@croploaded@else
13395                   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package.}
13396                   \fi%
13397                   \if@bidi@colorloaded@else
13398                     \ifpackageloaded{hyperref}{-}{%
13399                       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package}
13400                       \fi%
13401                       \if@bidi@cutwinloaded@else
13402                         \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package}
13403                         \fi%
13404                         \if@bidi@cutedloaded@else
13405                           \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package}
13406                           \fi%
13407                           \if@bidi@dblfnoteloaded@else
13408                             \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package}
13409                             \fi%
13410                             \if@bidi@diagboxloaded@else
13411                               \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi package}
13412                               \fi%
13413                               \if@bidi@xcolorloaded@else
13414                                 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package}
13415                                 \fi%
13416                                 \if@bidi@colortblloaded@else
13417                                   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package}
13418                                   \fi%
13419                                   \if@bidi@floatloaded@else
13420                                     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package}
13421                                     \fi%

```



```

13422   \if@bidi@floatrowloaded@else
13423     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi packa
13424   \fi%
13425   \if@bidi@flowframloaded@else
13426     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi packa
13427   \fi%
13428   \if@bidi@framedloaded@else
13429     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi packag
13430   \fi%
13431   \if@bidi@ftnrightloaded@else
13432     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi packa
13433   \fi%
13434   \if@bidi@xltxtraloaded@else
13435     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi packag
13436   \fi%
13437   \if@bidi@xunicodeloaded@else
13438     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi packa
13439   \fi%
13440   \if@bidi@wrapfigloaded@else
13441     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packag
13442   \fi%
13443   \if@bidi@graphicxloaded@else
13444     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi packa
13445   \fi%
13446   \if@bidi@geometryloaded@else
13447     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi packa
13448   \fi%
13449   \if@bidi@hvfloatloaded@else
13450     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packag
13451   \fi%
13452     \if@bidi@mdframedloaded@else
13453       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi packa
13454     \fi%
13455     \if@bidi@midfloatloaded@else
13456       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi packa
13457     \fi%
13458     \if@bidi@nttheoremloaded@else
13459       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi packa
13460     \fi%
13461     \if@bidi@hyperrefloaded@else
13462       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13463     \fi%
13464     \if@bidi@fancyboxloaded@else
13465       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13466     \fi%
13467     \if@bidi@fancyhdrloaded@else
13468       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13469     \fi%
13470     \if@bidi@draftwatermarkloaded@else
13471       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bid

```



```

13472 \fi%
13473 \if@bidi@empheqloaded@else
13474   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package}
13475 \fi%
13476   \if@bidi@overpicloaded@else
13477   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi package}
13478 \fi%
13479 \if@bidi@pdfpagesloaded@else
13480   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package}
13481 \fi%
13482 \if@bidi@lettrineloaded@else
13483   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package}
13484 \fi%
13485 \if@bidi@linenoloaded@else
13486   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi package}
13487 \fi%
13488 \if@bidi@listingsloaded@else
13489   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package}
13490 \fi%
13491 \csname if@bidi@media9loaded@endcsname\else
13492   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi package}
13493 \fi%
13494 \if@bidi@pstricksloaded@else
13495   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package}
13496 \fi%
13497 \if@bidi@pgfloaded@else
13498   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. }
13499 \fi%
13500 \if@bidi@picinparloaded@else
13501   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package}
13502 \fi%
13503 \if@bidi@quotchaploaded@else
13504   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package}
13505 \fi%
13506 \if@bidi@tikzloaded@else
13507   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. }
13508 \fi%
13509 \if@bidi@titlesecloaded@else
13510   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package}
13511 \fi%
13512 \if@bidi@titletocloaded@else
13513   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package}
13514 \fi%
13515 \if@bidi@arrayloaded@else
13516   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package}
13517 \fi%
13518 \if@bidi@stabularloaded@else
13519   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package}
13520 \fi%
13521 \if@bidi@soulloaded@else

```



```

13522   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.
13523   \fi%
13524   \if@bidi@subfigloaded@else
13525     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package.
13526     \fi%
13527     \if@bidi@subfigureloaded@else
13528       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pack
13529       \fi%
13530     \if@bidi@supertabularloaded@else
13531       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi p
13532       \fi%
13533     \if@bidi@xtabloaded@else
13534       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
13535       \fi%
13536     \if@bidi@longtableloaded@else
13537       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13538       \fi%
13539     \if@bidi@arydshlnloaded@else
13540       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi packa
13541       \fi%
13542     \if@bidi@multicolloaded@else
13543       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13544       \fi%
13545     \if@bidi@multienumloaded@else
13546       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13547       \fi%
13548     \if@bidi@minitocloaded@else
13549       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
13550       \fi%
13551     \if@bidi@natbibloaded@else
13552       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package.
13553       \fi%
13554     \if@bidi@newfloatloaded@else
13555       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13556       \fi%
13557     \csname if@bidi@ragged2loaded@endcsname\else
13558       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13559       \fi%
13560     \if@bidi@rotatingloaded@else
13561       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13562       \fi%
13563     \if@bidi@tblsloaded@else
13564       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tbls after bidi package.
13565       \fi%
13566     \if@bidi@tabularyloaded@else
13567       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13568       \fi%
13569     \if@bidi@tocbasicloaded@else
13570       \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13571       \fi%

```





```

13572 \if@bidi@tocstyleloaded@\else
13573   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi packa
13574   \fi%
13575 \if@bidi@tocbibindloaded@\else
13576   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13577   \fi%
13578 \if@bidi@fontspecloaded@\else
13579   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi packa
13580   \fi%
13581 \if@bidi@arabxetexloaded@\else
13582   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13583   \fi%
13584 \if@bidi@polyglossialoaded@\else
13585   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi pa
13586   \fi%
13587 \if@bidi@fancyvrbloaded@\else
13588   \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi packa
13589   \fi%
13590 }

```

## 78 File longtable-xetex-bidi.def

```

13591 \ProvidesFile{longtable-xetex-bidi.def}[2019/01/19 v0.5 bidi adaptations for longtable package]
13592 \def\LT@array[#1]#2{%
13593   \refstepcounter{table}\stepcounter{LT@tables}%
13594   \if l#1%
13595     \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
13596   \else\if r#1%
13597     \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13598   \else\if c#1%
13599     \LTleft\fill \LTright\fill
13600   \fi\fi\fi
13601   \let\LT@mcoll\multicolumn
13602   \let\LT@@tabarray\@tabarray
13603   \let\LT@@hl\hline
13604   \def\@tabarray{%
13605     \let\hline\LT@@hl
13606     \LT@@tabarray}%
13607   \let\@LT@tabularcr\let\@tabularnewline\@
13608   \def\newpage{\noalign{\break}}%
13609   \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13610   \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
13611   \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13612   \@tempdima\ht\strutbox
13613   \let\@endpbox\LT@endpbox
13614   \ifx\extrarowheight\@undefined
13615     \let\@acol\@tabacol
13616     \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13617     \def\@startpbox{\vtop\LT@startpbox}%
13618     \let\@startpbox\@startpbox

```



```

13619 \let\@endpbox\@endpbox
13620 \let\LT@LL@FM@cr\@tabularcr
13621 \else
13622 \advance\@tempdima\extrarowheight
13623 \col@sep\@tabcolsep
13624 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13625 \fi
13626 \setbox\@arstrutbox\hbox{\vrule
13627 \@height \arraystretch \@tempdima
13628 \@depth \arraystretch \dp \strutbox
13629 \@width \z@}%
13630 \let\@sharp#\let\protect\relax
13631 \begingroup
13632 \mkpream{#2}%
13633 \xdef\LT@bchunk{%
13634 \global\advance\c@LT@chunks\@ne
13635 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13636 \LT@setprevdepth
13637 \tabskip\LTleft \noexpand\halign to\hsize\bgroup
13638 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13639 \endgroup
13640 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13641 \LT@make@row
13642 \m@th\let\par\@empty
13643 \everycr{}\lineskip\z@\baselineskip\z@
13644 \LT@bchunk}
13645 \def\LT@makecaption#1#2#3{%
13646 \LT@mc@col\LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
13647 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13648 \ifdim\wd\@tempboxa>\hsize
13649 #1{#2: }#3%
13650 \else
13651 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13652 \fi
13653 \endgraf\vskip\baselineskip}%
13654 \hss}}
13655 \ifpackage@loaded{caption}{%
13656 \renewcommand\LT@makecaption[3]{%
13657 \caption@LT@make{%
13658 \caption@settype*\LT@captype
13659 \ifdim\LT@capwidth=4in \else
13660 \setcaptionwidth\LT@capwidth
13661 \fi
13662 \caption@setoptions{longtable}%
13663 \caption@setoptions{@longtable}%
13664 \caption@LT@setup
13665 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13666 \caption@startrue#1\caption@starfalse
13667 \caption@prepare@stepcounter\LT@captype\LT}%
13668 \caption@begin\LT@captype

```



```

13669         \caption@normalsize
13670         \vskip-\ht\strutbox
13671         \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13672         \caption@make{#2}{#3}\endgraf
13673         \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13674         \caption@end}}%
13675 }{}
13676 \def\LT@startpbox#1{%
13677   \bgroup\color@begingroup
13678   \let\@footnotetext\LT@p@ftntext
13679   \let\@LTRfootnotetext\LT@p@LTRftntext
13680   \let\@RTLfootnotetext\LT@p@RTLftntext
13681   \setlength\hsize{#1}%
13682   \@arrayparboxrestore
13683   \vrule \@height \ht\@arstrutbox \@width \z@}
13684 \def\LT@p@LTRftntext#1{%
13685   \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}%
13686   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13687 \def\LT@p@RTLftntext#1{%
13688   \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}%
13689   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13690
13691
13692 \def\LT@output{%
13693   \ifnum\outputpenalty <-\@Mi
13694     \ifnum\outputpenalty > -\LT@end@pen
13695       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13696     \else
13697       \setbox\z@\vbox{\unvbox\@cclv}%
13698       \ifdim \ht\LT@lastfoot>\ht\LT@foot
13699         \dimen@pagegoal
13700         \advance\dimen@-\ht\LT@lastfoot
13701         \ifdim\dimen@<\ht\z@
13702           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13703           \@makecol
13704           \@outputpage
13705           \setbox\z@\vbox{\box\LT@head}%
13706           \fi
13707         \fi
13708         \global\@colroom\@colht
13709         \global\vsizel\@colht
13710         \vbox
13711           {\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13712           \fi
13713         \else
13714           \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13715           \@makecol
13716           \@outputpage
13717           \global\vsizel\@colroom
13718           \copy\LT@head\nobreak

```



```
13719 \fi}
```

## 79 File mathtools-xetex-bidi.def

```
13720 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13721 \MHInternalSyntaxOn
13722 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13723   \@namedef{MT_tagform_#1:n}##1
13724     {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@\ignorespaces#2{##1}\unskip\@italiccorr#4\i}
13725 }
13726 \renewtagform{default}{\{()\}}
13727 \MHInternalSyntaxOff
```

## 80 File mdframed-xetex-bidi.def

```
13728 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13729 \newif\if@bidi@mdf@RTL
13730 \def\mdf@lrbox#1{%
13731   \mdf@patchamsthm%patch amsthm
13732   \if@RTL\@bidi@mdf@RTLtrue\fi%
13733   \@RTLfalse%
13734   \setbox#1\vbox\bgroup%
13735   \color@begingroup%
13736   \if@bidi@mdf@RTL\@RTLtrue\fi%
13737   \mdf@horizontalmargin@equation%
13738   \columnwidth=\hsize%
13739   \textwidth=\hsize%
13740   \let\if@nobreak\iffalse%
13741   \let\if@noskipsec\iffalse%
13742   \let\par\@par%
13743   \let-\@dischyph%
13744   \let'\@acci\let\`@\accii\let\=\@acciii%
13745   \parindent\z@ \parskip\z@skip%
13746   \linewidth\hsize%
13747   \@totalleftmargin\z@%
13748   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13749   \parfillskip\@flushglue \lineskip\normallineskip%
13750   \baselineskip\normalbaselineskip%
13751   %% \sloppy%
13752   \let\\\@normalcr%
13753   \mdf@par@local%New feature to restore parskip/parindent local in save box
13754   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13755   \@afterindentfalse%
13756   %\@afterheading%
13757 }
13758 \renewrobustcmd\mdframedtitleenv[1]{%
13759   \mdf@lrbox{\mdf@frametitlebox}%
13760   \mdf@frametitlealignment%
13761   \leavevmode{\color{\mdf@frametitlefontcolor}%
13762     \normalfont\mdf@frametitlefont{#1}}
```



```

13763     \ifbool{mdf@ignorelastdescenders}%
13764     {%
13765         \par\strut\par
13766         \unskip\unskip\setbox0=\lastbox
13767         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13768     }{}}%
13769     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%
13770     \endmdf@lrbox\relax%
13771     \mdf@ignorevbadness%
13772     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13773     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13774     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13775     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13776     \mdfframetitleboxtotalheight=\dimexpr
13777         \ht\mdf@frametitlebox
13778         +\dp\mdf@frametitlebox%
13779         +\mdf@frametitleaboveskip@length
13780         +\mdf@frametitlebelowskip@length
13781     \relax%
13782 }
13783
13784 \renewrobustcmd*\mdf@footnoteoutput{%
13785     \ifvoid\@mpfootins\else%
13786         \nobreak%
13787         \vskip\mdf@footnotedistance@length%
13788         \normalcolor%
13789         \bidi@mpfootnoterule%
13790         \unvbox\@mpfootins%
13791     \fi%
13792 }
13793
13794
13795 \renewrobustcmd*\mdf@footnoteinput{%
13796     \def\@mpfn{mpfootnote}%
13797     \def\thempfn{\thempfootnote}%
13798     \c@mpfootnote\z@%
13799     \let\@footnotetext\@mpfootnotetext%
13800     \let\@LTRfootnotetext\@mpLTRfootnotetext%
13801     \let\@RTLfootnotetext\@mpRTLfootnotetext%
13802 }

```

## 81 File bidi-media9.sty

```

13803 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13804 {bidi fixes for media9 package for the XeTeX engine}
13805
13806 \keys_define:nn{media9/mbtn}{
13807     draft .code:n = {},
13808     final .code:n = {},
13809

```



```

13810 tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13811 tooltip .value_required:n = {true},
13812
13813 overface .code:n = {
13814   \sbox\l_mix_poster_box{
13815     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13816     \mix_pdfxform:n{\l_mix_poster_box}
13817     \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13818   },
13819 overface .value_required:n = {true},
13820
13821 downface .code:n = {
13822   \sbox\l_mix_poster_box{
13823     \bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13824     \mix_pdfxform:n{\l_mix_poster_box}
13825     \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13826   },
13827 downface .value_required:n = {true},
13828
13829 3Dgotoview .code:n = {
13830   \tl_set:Nx\l_tmpa_tl{#1}           %extract ref
13831   \regex_replace_once:nnN{([~:]+):??.*}{\1}\l_tmpa_tl
13832   \tl_trim_spaces:N\l_tmpa_tl
13833   \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13834     \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13835       \tl_set:Nx\l_tmpb_tl{#1}       %extract idx
13836       \regex_replace_once:nnN{[~:]+:??}{\1}\l_tmpb_tl
13837       \tl_trim_spaces:N\l_tmpb_tl
13838       \tl_if_blank:VF\l_tmpb_tl{
13839         \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13840           \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
13841         }{
13842           \regex_match:nVTF{^~\d+$}\l_tmpb_tl{
13843             \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
13844           }{
13845             \regex_replace_once:nnN{^(\s*)}{\1}\l_tmpb_tl
13846             \regex_replace_once:nnN{\s*}\l_tmpb_tl{~}\l_tmpb_tl
13847             \tl_set:Nx\l_mix_vidx_tl{~(\l_tmpb_tl)}
13848           }
13849         }
13850       }
13851     \mix_pdfobj:nnn{}{dict}{
13852       /S/JavaScript/JS~(
13853         if (typeof (annotRM)=='undefined'){annotRM=new-Array();}
13854         if (typeof (annotRM['\l_tmpa_tl'])=='undefined'){
13855           annotRM['\l_tmpa_tl']=
13856             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13857         }
13858         annotRM['\l_tmpa_tl'].activated=true;
13859       )

```



```

13860     \tl_if_blank:VF\l_tmpb_tl{
13861         /Next~<<
13862         /S/GoTo3DView
13863         /TA~\tl_use:c{ann@\l_tmpa_tl}
13864         /V\l_mix_vidx_tl
13865         >>
13866     }
13867 }
13868 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13869 }
13870 }{
13871     \msg_warning:nnx{media9}{undefined~reference}{\l_tmpa_tl}
13872     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13873         \tl_new:N\g_mix_refundefwarned_tl
13874         \AtEndDocument{\msg_warning:nn{media9}{undefined~references}}
13875     }
13876 }
13877 },
13878 3Dgotoview .value_required:n = {true},
13879
13880 mediacommand .code:n = {
13881     \tl_set:Nx\l_tmpa_tl{#1}
13882     \regex_replace_once:nnN{([\^:]+)??.*}{\1}\l_tmpa_tl %extract ref
13883     \tl_trim_spaces:N\l_tmpa_tl
13884     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13885         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13886             \tl_set:Nx\l_tmpb_tl{#1}
13887             \regex_replace_once:nnN{([\^:]+\?)}{\1}\l_tmpb_tl
13888             \tl_trim_spaces:N\l_tmpb_tl
13889             \regex_replace_all:nnN{^{\|}\$}{\1}\l_tmpb_tl
13890             \tl_set:Nx\l_mix_cmd_tl{
13891                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[\q_stop]
13892             }
13893             \tl_set:Nx\l_mix_arg_tl{
13894                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[\q_stop]
13895             }
13896             \tl_trim_spaces:N\l_mix_arg_tl
13897             \mix_pdfobj:nnn{}{dict}{
13898                 /S/JavaScript/JS~(
13899                     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13900                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13901                         annotRM['\l_tmpa_tl']=
13902                         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13903                     }
13904                     annotRM['\l_tmpa_tl'].activated=true;
13905                 )
13906             }
13907             \tl_if_blank:VF\l_mix_cmd_tl{
13908                 /Next~<<
13909                 /S/RichMediaExecute
13910                 /TA~\tl_use:c{ann@\l_tmpa_tl}
13911                 /TI~\tl_use:c{main@\l_tmpa_tl}

```



```

13910         /CMD~<<
13911         /C~(\l_mix_cmd_tl)
13912         \tl_if_blank:VF\l_mix_arg_tl{
13913         /A~[\l_mix_arg_tl]
13914         }
13915         >>
13916         >>
13917     }
13918 }
13919 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13920 }
13921 }{
13922     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13923     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13924         \tl_new:N\g_mix_refundefwarned_tl
13925         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13926     }
13927 }
13928 },
13929 mediacommand .value_required:n = {true},
13930
13931 jsaction .code:n = {
13932     \tl_set:Nx\l_tmpa_tl{#1}
13933     \regex_match:nVTF{^[^\:]+:.*$}\l_tmpa_tl{
13934         \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl %extract ref
13935         \tl_trim_spaces:N\l_tmpa_tl
13936     }{\tl_clear:N\l_tmpa_tl}
13937     \tl_set:Nx\l_tmpb_tl{#1}
13938     \tl_if_blank:VF\l_tmpa_tl{
13939         \tl_if_exist:cF{ann@\l_tmpa_tl}{
13940             \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13941             \cs_if_exist:NF\g_mix_refundefwarned_tl{
13942                 \tl_new:N\g_mix_refundefwarned_tl
13943                 \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13944             }
13945         }
13946         \regex_replace_once:nnN{[^\:]+\:}{\1}\l_tmpb_tl
13947     }
13948     \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13949     \tl_trim_spaces:N\l_tmpb_tl
13950     \tl_if_blank:VF\l_tmpb_tl{
13951         \mix_pdfobj:nnn{}{dict}{
13952             /S/JavaScript/JS~(
13953                 try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
13954         \bool_lazy_and:nnT{
13955             \tl_if_exist_p:c{ann@\l_tmpa_tl}
13956         }{
13957             !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13958         }{
13959             \mix_pdfobj:nnn{}{dict}{

```





```

13960     /S/JavaScript/JS-(
13961         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13962         if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13963             annotRM['\l_tmpa_tl']=
13964                 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13965         }
13966         annotRM['\l_tmpa_tl'].activated=true;
13967     )
13968     \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13969 }
13970 }
13971 \bool_if:nT{
13972     \bool_lazy_and_p:nn{
13973         \tl_if_exist_p:c{ann@\l_tmpa_tl}
13974     }{
13975         !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13976     }
13977     || !\tl_if_blank_p:V\l_tmpb_tl
13978 }{
13979     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13980 }
13981 },
13982 jsaction .value_required:n = {true},
13983
13984 unknown .code:n = {
13985     \msg_error:nx{media9}{unknown~option}{\l_keys_key_tl}
13986 }
13987 }
13988
13989 \RenewDocumentCommand\includemedia{0}{mm}{%#1 options, #2 text/image #3 media file
13990     \mix_uriend:
13991     \group_begin:
13992     \mix_beginLTR:
13993     \leavevmode
13994     %empty stream as appearance dummy
13995     \cs_if_exist:NF\g_mix_appearance_tl{
13996         \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13997         \mix_pdfxform:n{\l_mix_poster_box}
13998         \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13999     }
14000     \mix_reset:
14001     \mix_uribegin: %treat URI characters correctly
14002     \keys_set:nn{media9/user}{#1}
14003     \mix_uriend:
14004     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
14005     \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
14006     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}={=}
14007     \tl_greplace_all:Nnn\g_mix_flashvars_tl{=-}={=}
14008     \tl_gtrim_spaces:N\g_mix_flashvars_tl
14009

```



```

14010 \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
14011
14012 %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
14013 %\hbox_set:Nn\l_mix_poster_box{#2}
14014 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14015 \mix_scale:n{\l_mix_poster_box}
14016 \bool_if:nT{
14017   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
14018   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
14019 }{
14020   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
14021 }
14022 \bool_if:NTF\g_mix_usrdraft_bool{
14023   \tl_if_empty:NF\g_mix_usrlabel_tl{
14024     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
14025   }
14026   \tl_if_blank:oTF{#2}{
14027     \mix_uribegin: %treat URI characters correctly
14028     \mix_draftbox:n{\tl_to_str:n{#3}}
14029     \mix_uriend:
14030   }{
14031     \hbox_to_wd:nn{\g_mix_wd_tl}{
14032       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
14033       \box_use:N\l_mix_poster_box\hss
14034     }
14035   }
14036 }{
14037   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
14038     %attach script that switches off play button overlay upon activation
14039     \mix_pdfobj:nnn{}{stream}{
14040       {}{
14041         var~ocgs=host.getOCGs(host.pageNum);
14042         for(var~i=0;i<ocgs.length;i++){
14043           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14044             ocgs[i].state=false;
14045           }
14046         }
14047       }
14048     }
14049     \mix_pdfobj:nnn{}{dict}{
14050       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
14051     }
14052     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
14053     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
14054     %enforce plain playbutton overlay for XeTeX
14055     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
14056   }
14057   %embed main asset
14058   \mix_uribegin:
14059   \mix_embedasset:n{#3}

```



```

14060 \bool_if:nTF{
14061   \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
14062 }{
14063   \bool_gset_true:N\g_mix_iiid_bool
14064   \tl_gset:Nn\g_mix_mainassetsub_tl{3D}
14065 }{
14066   \str_case_x:nnF{\l_mix_base_tl}{
14067     {APlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14068     {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Sound}}
14069     {VPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14070     {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14071     {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetsub_tl{Video}}
14072   }{\tl_gset:Nn\g_mix_mainassetsub_tl{Flash}}
14073 }
14074 \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
14075 \mix_uriend:
14076 %secondary assets (added by addresource)
14077 \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
14078 \seq_map_inline:Nn\g_mix_script_seq{
14079   \mix_embedasset:n{##1}
14080   \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
14081 }
14082 %attach 3D calculation script
14083 \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
14084   \mix_embedasset:n{3Dmenu.js}
14085   \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
14086 }
14087 %create 3D views from file (option 3Dviews)
14088 \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
14089   \tl_set:Nn\l_mix_level_tl{c_minus_one}
14090   \int_zero:N\l_mix_viewcnt_int
14091   \int_zero:N\l_mix_lineno_int
14092
14093   \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
14094   \ior_map_inline:Nn\l_mix_vfile_stream{
14095     \int_incr:N\l_mix_lineno_int
14096     \keys_set:nn{media9/views}{##1} %process input line
14097   }
14098   \ior_close:N\l_mix_vfile_stream
14099 }
14100 \bool_if:nT{ %create default 3D view if required
14101   \g_mix_iiid_bool &&
14102   (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
14103 }{
14104   \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
14105   \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
14106   \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
14107   \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
14108   \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
14109   \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl

```



```

14110     \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
14111
14112     \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
14113     \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp
14114     \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
14115     \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
14116
14117     \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
14118     \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
14119     \tl_clear:N\l_mix_naarray_tl
14120
14121     \bool_if:NF\l_mix_ciiw_bool{
14122       \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
14123       \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
14124     }
14125
14126     \tl_clear:N\l_mix_naarray_tl
14127     \tl_clear:N\l_mix_saarray_tl
14128     \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
14129
14130     \mix_view:n{Default}
14131     \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
14132
14133   }
14134   \mix_pdfobj:nnn{}{dict}{
14135     /Type/RichMediaInstance
14136     /Subtype/\g_mix_mainassetsub_tl
14137     /Asset~\g_mix_mainasset_tl
14138     \bool_if:NF\g_mix_iiid_bool{
14139       /Params~<<
14140         /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
14141           /Foreground
14142         }{
14143           /Background
14144         }
14145         \tl_if_blank:VF\g_mix_flashvars_tl{
14146           /FlashVars~(\g_mix_flashvars_tl)
14147         }
14148       >>
14149     }
14150   }
14151   \tl_if_empty:NF\g_mix_usrlabel_tl{
14152     \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
14153   }
14154   \mix_pdfobj:nnn{}{dict}{
14155     /Type/RichMediaConfiguration
14156     /Subtype/\g_mix_mainassetsub_tl
14157     /Instances~[\mix_pdflastobj:]
14158   }
14159   \mix_pdfobj:nnn{}{dict}{

```



```

14160 /Type/RichMediaContent
14161 /Assets~<</Names~[\g_mix_assets_tl]>>
14162 /Configurations~[\mix_pdflastobj:]
14163 \bool_if:nT{
14164   \g_mix_iiid_bool && !(\tl_if_empty_p:V\l_mix_iiidviewarray_tl)
14165 }{
14166   /Views~[\l_mix_iiidviewarray_tl]
14167 }
14168 }
14169 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj:}
14170 \bool_if:nT{
14171   \g_mix_iiid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
14172 }{
14173   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
14174 }
14175 %determine floating window size
14176 \bool_if:NT\g_mix_opt_windowed_bool{
14177   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
14178 }
14179 \mix_pdfobj:nnn{}{dict}{
14180   /Activation~<<
14181     /Condition\g_mix_act_tl
14182     \bool_if:nT{
14183       \g_mix_iiid_bool &&
14184       !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
14185     }{[%seems to work only with 3D content
14186       /Animation~<<
14187         /Subtype/\g_mix_playtpe_tl
14188         /PlayCount~\g_mix_playcnt_tl
14189         /Speed~\g_mix_playspd_tl
14190       >>
14191     }
14192     \bool_if:nT{
14193       \g_mix_iiid_bool && (
14194         \g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl
14195       )
14196     }{/View~\l_mix_dfltview_tl}
14197   /Presentation~<<
14198     /Transparent~\g_mix_transp_tl
14199     \bool_if:NTF\g_mix_opt_windowed_bool{
14200       /Style/Windowed
14201     }/Window~<<
14202       /Width~<</Default~\tl_mix_fltd>>
14203       /Height~<</Default~\tl_mix_fltht>>
14204     /Position~<<
14205       /HOffset~0/VOffset~0
14206     \str_case_x:nnF{\g_mix_winpos_tl}{
14207       {tl}{/VAlign/Near/HAlign/Near}
14208       {cl}{/VAlign/Center/HAlign/Near}
14209       {bl}{/VAlign/Far/HAlign/Near}

```



```

14210         {bc}{/VAlign/Far/HAlign/Center}
14211         {br}{/VAlign/Far/HAlign/Far}
14212         {cr}{/VAlign/Center/HAlign/Far}
14213         {tr}{/VAlign/Near/HAlign/Far}
14214         {tc}{/VAlign/Near/HAlign/Center}
14215     }{/HAlign/Center/VAlign/Center}
14216     >>
14217     >>
14218     }{
14219     /Style/Embedded
14220     }
14221     \bool_if:NTF\g_mix_iiid_bool{
14222     /Toolbar~\g_mix_tools_tl
14223     /NavigationPane~\g_mix_nav_tl
14224     }{
14225     /PassContextClick~\g_mix_contextclick_tl
14226     }
14227     >>
14228     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14229     >>
14230     /Deactivation~<</Condition\g_mix_deact_tl>>
14231     }
14232     \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
14233     \tl_if_empty:NF\g_mix_usrlabel_tl{
14234     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14235     }
14236     % #1:width, #2:height, #3:depth, #4:content (key-value)
14237     \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14238     /Subtype/RichMedia
14239     /F~4
14240     /BS~<</W~0/S/S>>
14241     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14242     /NM~(\g_mix_label_tl)
14243     /AP~<</N~\g_mix_appearance_tl>>
14244     /RichMediaSettings~\l_mix_settings_tl
14245     /RichMediaContent~\l_mix_content_tl
14246     }
14247     \tl_if_empty:NF\g_mix_usrlabel_tl{
14248     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14249     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14250     \noexpand\the\g@mix@page@int}
14251     }
14252     \mix_pdfobj:nnn{}{dict}{
14253     /S/JavaScript/JS~(
14254     try{
14255     if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14256     if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14257     annotRM['\g_mix_label_tl']=
14258     this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14259     }

```



```

14260     \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14261         if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14262             var~ocgs=this.getOCGs(this.pageNum);
14263             for(var~i=0;i<ocgs.length;i++){
14264                 if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14265                     var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14266                 }
14267             }
14268         }
14269         if(
14270             !annotRM['\g_mix_label_tl'].activated&&(
14271                 app.viewerType=='Reader' ||
14272                 app.viewerType=='Exchange' ||
14273                 app.viewerType=='Exchange-Pro'
14274             )&&app.viewerVersion>=9
14275         ){
14276             ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14277         }
14278     }
14279     }catch(e){}
14280     this.dirty=false;
14281 )
14282 }
14283 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14284     /Subtype/Widget
14285     /FT/Btn/Ff~65537/F~2
14286     /BS~<</W~0>>
14287     /T~(fd@\g_mix_label_tl)
14288     /AA~<</PO~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14289 }
14290 \mix_appendtofields:n{\mix_pdflastann:}
14291 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14292 \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14293     \hbox_to_wd:nn{\g_mix_wd_tl}{
14294         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14295     }
14296 }{%insert play button overlay
14297     \mix_insert_btnocg: %create OCG
14298     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14299     \group_begin:
14300     \cs_if_exist:NT\textdir{\textdir TLT}
14301     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14302     \box_move_down:nn{\g_mix_dp_tl}{
14303         \hbox_to_wd:nn{\g_mix_wd_tl}{
14304             \vbox_to_ht:nn{\g_mix_tt_tl}{
14305                 \vss
14306                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14307                 \box_use:N\l_mix_pbtn_box
14308                 \ocgbase_oc_emc:
14309             }

```



```

14310     }
14311   }
14312   \group_end:
14313 }
14314 \int_gincr:N\g_mix_rmcnt_int
14315 }
14316 \mix_endLTR:
14317 \group_end:
14318 }
14319 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14320 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14321
14322 \RenewDocumentCommand\mediabutton{0{}m}{%#1 options, #2 normal button text
14323   \mix_uribegin:
14324   \group_begin:
14325   \mix_beginLTR:
14326   \leavevmode
14327   %reset various variables
14328   \tl_gclear:N\g_mix_overbtn_tl
14329   \tl_gclear:N\g_mix_downbtn_tl
14330   \tl_gclear:N\g_mix_btnactions_tl
14331   \tl_gclear:N\g_mix_tooltip_tl
14332   %process options
14333   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14334   \mix_uribegin: %treat URI characters correctly
14335   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14336   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14337   \mix_uribegin:
14338   %normal button appearance
14339   %\hbox_set:Nn\l_mix_poster_box{#2}
14340   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14341   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14342   \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
14343   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14344   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14345     \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{
14346       \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14347     \mix_pdfxform:n{\l_mix_poster_box}
14348     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14349     %insert widget annotation
14350     \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14351       /Subtype/Widget
14352       /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14353       \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14354       /FT/Btn/Ff~65536
14355       \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14356       /AP~<<
14357       /N~\g_mix_normalbtn_tl
14358       \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14359       \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}

```





```

14360 >>
14361 /MK~<<
14362 /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14363 /I~\g_mix_normalbtn_tl
14364 \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14365 \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14366 >>
14367 /A~<<
14368 /S/JavaScript/JS~(app.focusRect=false;)
14369 %sequence of actions to perform
14370 \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14371 >>
14372 }
14373 \mix_appendtofields:n{\mix_pdflastann:}
14374 \hbox_to_wd:nn{\width}{
14375 \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14376 }
14377 \int_gincr:N\g_mix_mbtncnt_int
14378 }
14379 \mix_endLTR:
14380 \group_end:
14381 }
14382 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14383 \tl_set:Nn\mediabutton{\mix_uribegin:\l_mix_mediabutton_tl}
14384
14385

```

## 82 File memoir-xetex-bidi.def

```

14386 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for Xe
14387 \renewcommand{\keepthetitle}{%
14388 \@bsmtitleempty
14389 \global\let\thanks\relax
14390 \global\let\LTRthanks\relax
14391 \global\let\RTLthanks\relax
14392 \global\let\and\relax
14393 \global\let\andnext\relax
14394 \global\let\@thanks\@empty
14395 \global\let\@title\@empty
14396 \global\let\@author\@empty
14397 \global\let\@date\@empty}
14398 \renewcommand{\maketitle}{\par
14399 \begingroup
14400 \@bsmarkseries
14401 \def\@makefnmark{\@textsuperscript{%
14402 \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
14403 \long\def\@makefntext##1{\makethanksmark ##1}
14404 \if@twocolumn
14405 \ifnum \col@number=\@ne
14406 \maketitle

```



```

14407     \else
14408         \twocolumn[\@maketitle]%
14409     \fi
14410 \else
14411     \ifdim\pagetotal>\z@
14412         \newpage
14413     \fi
14414     \global\@topnum\z@
14415     \@maketitle
14416 \fi
14417 \thispagestyle{title}\@thanks
14418 \endgroup
14419 \@bscontmark % \setcounter{footnote}{0}%
14420 }
14421 \renewcommand*\@memRTLleftskip}{\if@RTL\rightright\else\leftskip\fi}
14422 \renewcommand*\@memRTLrightskip}{\if@RTL\leftskip\else\rightright\fi}
14423 \renewcommand*\@memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
14424 \renewcommand*\@memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
14425 \renewcommand*\@memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14426 \renewcommand*\@memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14427 \renewcommand*\@thesection}{\thechapter\@SepMark\@arabic\c@section}
14428 \renewcommand*\@thesubsection}{%
14429     \thesection\@SepMark\@arabic\c@subsection}
14430 \renewcommand*\@thesubsubsection}{%
14431     \thesubsection\@SepMark\@arabic\c@subsubsection}
14432 \renewcommand*\@theparagraph}{%
14433     \thesubsubsection\@SepMark\@arabic\c@paragraph}
14434 \renewcommand*\@thesubparagraph}{%
14435     \theparagraph\@SepMark\@arabic\c@subparagraph}
14436 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14437 \renewcommand{\theequation}{%
14438     \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14439 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14440 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14441 \ifartopt
14442     \chapterstyle{article}
14443     \counterwithout{figure}{chapter}
14444     \counterwithout{table}{chapter}
14445     \counterwithout{footnote}{chapter}
14446     \counterwithout{equation}{chapter}
14447     \renewcommand{\chaptername}{\@}
14448     \renewcommand{\maketitlehookb}{%
14449         \vskip -1.5\topsep\vskip -1.5\partopsep}
14450     \renewcommand{\maketitlehookc}{%
14451         \vskip -1.5\topsep\vskip -1.5\partopsep}
14452 \fi
14453 \long\def\@makecaption#1#2{\let\@memtempa\relax
14454     \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14455     \else \def\@memtempa{\vbox to\topskip{}}\fi
14456     \let\@contfnote\footnote \renewcommand{\footnote}[2][\@}

```



```

14457 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][{}]{
14458 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14459 \let\footnote\@contfnote
14460 \let\footnotemark\@contfmark
14461 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14462 \if@contcw
14463 \centering
14464 \parbox{\@contcwidth}{%
14465 \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14466 \fi
14467 \ifdim\wd\@tempboxa<\linewidth
14468 \@contpre
14469 {\@contnfont #1\@contdelim}\@memtempa
14470 {\@contcshortstyle \@conttfont #2\@contfinal\par}
14471 \else
14472 \if@conthang
14473 \sbox\@tempboxa{\@contnfont #1\@contdelim}
14474 \@contpre%
14475 {\@contcstyle\hangindent=\wd\@tempboxa
14476 \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14477 \else
14478 \if@contindent
14479 \@contpre%
14480 {\@contnfont #1\@contdelim}\@memtempa
14481 {\@contcstyle\hangindent=@contindw
14482 \hangafter=@one\@conttfont #2\@contfinal\par}% <- v1.4
14483 \else
14484 \@contpre%
14485 {\@contnfont #1\@contdelim}\@memtempa
14486 {\@contcstyle \@conttfont #2\@contfinal\par}
14487 \fi
14488 \fi
14489 \fi
14490 \@contpost
14491 \if@contcw
14492 \par
14493 } % end of the \parbox
14494 \fi
14495 \vskip\belowcaptionskip}
14496 \ifpackageloaded{caption}{%
14497 \AtBeginPackage{caption}{
14498 \ClassWarningNoLine{memoir}{%
14499 You are using the caption package with the memoir \MessageBreak
14500 class. This may cause unexpected or inconsistent \MessageBreak
14501 results if you use any of memoir's captioning facilities}
14502
14503 \long\def\@makecaption##1##2{%
14504 \vskip\abovecaptionskip
14505 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14506 \ifdim \wd\@tempboxa >\hsize

```



```

14507 \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14508 \else
14509 \global \@minipagefalse
14510 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14511 \fi
14512 \vskip\belowcaptionskip}
14513
14514 \def\caption{%
14515 \ifx\@capttype\@undefined
14516 \latex@error{\noexpand\caption outside float}\@ehd
14517 \expandafter\@gobble
14518 \else
14519 \refstepcounter\@capttype
14520 \expandafter\@firstofone
14521 \fi
14522 {\@dblarg{\@caption\@capttype}}%
14523 }
14524
14525 \long\def\@caption##1[##2]##3{%
14526 \par
14527 \addcontentsline{\csname ext##1\endcsname}{##1}%
14528 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
14529 \begingroup
14530 \@parboxrestore
14531 \if@minipage
14532 \setminipage
14533 \fi
14534 \normalsize
14535 \makecaption{\csname fnum##1\endcsname}{\ignorespaces ##3}\par
14536 \endgroup}
14537 }}{}
14538 \renewenvironment{thebibliography}[1]{%
14539 \bibsection
14540 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14541 \bidi@@thebibliography@font@hook%
14542 \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

### 83 File midfloat-xetex-bidi.def

```

14543 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14544 \def\RTL@outputdblcol{%
14545 \if@firstcolumn
14546 \global \@firstcolumnfalse
14547 \global\setbox\@leftcolumn\copy\@outputbox
14548 \splitmaxdepth\maxdimen
14549 \vbadness\maxdimen
14550 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14551 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14552 \toks@ \expandafter{\topmark}%
14553 \xdef\@firstcoltopmark{\the\toks@}%

```



```

14554 \toks@\expandafter{\splitfirstmark}%
14555 \xdef\@firstcolfirstmark{\the\toks@}%
14556 \ifx\@firstcolfirstmark\@empty
14557   \global\let\@setmarks\relax
14558 \else
14559   \gdef\@setmarks{%
14560     \let\firstmark\@firstcolfirstmark
14561     \let\topmark\@firstcoltopmark}%
14562 \fi
14563 \global\c@colht\@colht\global\c@advipersep\z@
14564 \ifnum\jua@sk>0
14565   \remove@strip\jua@sar
14566   \global\@colht\the\jua@pr
14567   \ifdim\right@cor>\z@
14568     \global\advance\@colht by\right@cor
14569   \fi
14570   \global\advance\@colht by\cor@height
14571   \global\cor@height=0pt
14572 \fi
14573 \global\setbox\@rightcolumn \vbox{%
14574 \else
14575   \ifdim\c@colht>\@colht
14576     \@tempdima\@colht
14577     \ifdim\@colht>\z@
14578       \global\setbox\@rightcolumn \vbox{%
14579         \unvbox\@rightcolumn
14580         \vbox to\@tempdima{%
14581           \vskip\c@advipersep\unvbox\@outputbox}%
14582         \vskip\stripsep
14583         \vrule height\the\jua@ht width 0pt depth 0pt
14584         \vskip\stripsep
14585       }%
14586       \global\c@advipersep\m@advipersep
14587     \else
14588       \global\setbox\@rightcolumn \vbox{%
14589         \unvbox\@rightcolumn
14590         \vrule height\the\jua@ht width 0pt depth 0pt
14591         \vskip\stripsep
14592       }%
14593   \fi
14594   \ifnum\jua@sk>0
14595     \remove@strip\jua@sar
14596     \global\@colht\the\jua@pr
14597     \global\advance\@colht by -\ht\@rightcolumn
14598     \global\advance\@colht by\cor@height
14599     \global\cor@height=0pt
14600   \else
14601     \global\advance\c@colht by-\ht\@rightcolumn
14602     \global\@colht\c@colht
14603 \fi

```



```

14604 \else
14605 \global\@firstcolumntrue
14606 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14607     \unvbox\@rightcolumn
14608     \vskip\c@addvipersep
14609     \unvbox\@outputbox
14610     }%
14611 \setbox\@outputbox \vbox {%
14612     \hb@xt@\textwidth {%
14613         \hskip \columnwidth
14614         \hfil
14615         \vrule \@width\columnseprule
14616         \hfil
14617         \hb@xt@\columnwidth {%
14618             \bidi@firstcolumn@status@write%
14619             \box\@leftcolumn \hss}%
14620         \hskip-\textwidth
14621         \hb@xt@\columnwidth {%
14622             \bidi@lastcolumn@status@write%
14623             \box\@outputbox \hss}%
14624         \hskip\columnwidth
14625         \hskip\columnsep}%
14626     }%
14627 \@combinedblfloats
14628 \@setmarks
14629 \@outputpage
14630 \beginingroup
14631     \@dblfloatplacement
14632     \@startdblcolumn
14633     \@whiles\if@fcolmade \fi
14634     {\@outputpage
14635     \@startdblcolumn}%
14636 \endgroup
14637 \global\jua@sk=0\global\jua@sar={}%
14638 \global\cor@height\z@\global\c@addvipersep\z@
14639 \fi
14640 \fi
14641 }
14642
14643
14644 \def\LTR@outputdblcol{%
14645 \if@firstcolumn
14646 \global \@firstcolumnfalse
14647 \global\setbox\@leftcolumn\copy\@outputbox
14648 \splitmaxdepth\maxdimen
14649 \vbadness\maxdimen
14650 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14651 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14652 \toks@\expandafter{\topmark}%
14653 \xdef\@firstcoltopmark{\the\toks@}%

```



```

14654 \toks@\expandafter{\splitfirstmark}%
14655 \xdef\@firstcolfirstmark{\the\toks@}%
14656 \ifx\@firstcolfirstmark\@empty
14657   \global\let\@setmarks\relax
14658 \else
14659   \gdef\@setmarks{%
14660     \let\firstmark\@firstcolfirstmark
14661     \let\topmark\@firstcoltopmark}%
14662 \fi
14663 \global\c@colht\@colht\global\c@advipersep\z@
14664 \ifnum\jua@sk>0
14665   \remove@strip\jua@sar
14666   \global\@colht\the\jua@pr
14667   \ifdim\right@cor>\z@
14668     \global\advance\@colht by\right@cor
14669   \fi
14670   \global\advance\@colht by\cor@height
14671   \global\cor@height=0pt
14672 \fi
14673 \global \setbox\@rightcolumn \vbox{%
14674 \else
14675   \ifdim\c@colht>\@colht
14676     \@tempdima\@colht
14677     \ifdim\@colht>\z@
14678       \global\setbox\@rightcolumn \vbox{%
14679         \unvbox\@rightcolumn
14680         \vbox to\@tempdima{%
14681           \vskip\c@advipersep\unvbox\@outputbox}%
14682         \vskip\stripsep
14683         \vrule height\the\jua@ht width 0pt depth 0pt
14684         \vskip\stripsep
14685       }%
14686       \global\c@advipersep\m@advipersep
14687     \else
14688       \global\setbox\@rightcolumn \vbox{%
14689         \unvbox\@rightcolumn
14690         \vrule height\the\jua@ht width 0pt depth 0pt
14691         \vskip\stripsep
14692       }%
14693   \fi
14694   \ifnum\jua@sk>0
14695     \remove@strip\jua@sar
14696     \global\@colht\the\jua@pr
14697     \global\advance\@colht by -\ht\@rightcolumn
14698     \global\advance\@colht by\cor@height
14699     \global\cor@height=0pt
14700   \else
14701     \global\advance\c@colht by-\ht\@rightcolumn
14702     \global\@colht\c@colht
14703 \fi

```



```

14704 \else
14705 \global\@firstcolumntrue
14706 \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
14707     \unvbox\@rightcolumn
14708     \vskip\c@addvipersep
14709     \unvbox\@outputbox
14710     }%
14711 \setbox\@outputbox \vbox {%
14712     \hb@xt@\textwidth {%
14713         \hb@xt@\columnwidth {%
14714             \bidi@firstcolumn@status@write%
14715             \box\@leftcolumn \hss}%
14716         \hfil
14717         \vrule \@width\columnseprule
14718         \hfil
14719         \hb@xt@\columnwidth {%
14720             \bidi@lastcolumn@status@write%
14721             \box\@outputbox \hss}%
14722         }%
14723     }%
14724 \@combinedblfloats
14725 \@setmarks
14726 \@outputpage
14727 \begingroup
14728 \@dblfloatplacement
14729 \@startdblcolumn
14730 \@whiles\if@fcolmade \fi
14731     {\@outputpage
14732     \@startdblcolumn}%
14733 \endgroup
14734 \global\jua@sk=0\global\jua@sar={}%
14735 \global\cor@height\z@\global\c@addvipersep\z@
14736 \fi
14737 \fi
14738 }
14739
14740
14741 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14742 \global\setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14743     \hsize\textwidth
14744     \@parboxrestore
14745     \col@number \@ne
14746     \vrule height\topskip width0pt depth0pt
14747 }
14748
14749 \def\endstrip{%
14750     \egroup\egroup
14751     \if@firstcolumn
14752         \ifdim\pagetotal>\z@
14753             \vskip\stripsep

```





```

14754         \global\ht@strip\pagegoal
14755         \global\advance\ht@strip by-\pagetotal
14756         \global\advance\ht@strip by-\stripsep
14757         \global\advance\ht@strip by-\ht\@viper
14758         \global\advance\ht@strip by-\stripsep
14759         \global\jua@ht=\ht\@viper
14760     \else
14761         \global\ht@strip\z@
14762     \fi
14763     \ifdim\ht@strip>\z@
14764         \unvbox\@viper
14765         \vskip\stripsep
14766         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14767         \global\advance\jua@sk by1
14768     \else
14769         \@latex@error{Strip needs more place!}\@ehc
14770     \if@vihproof
14771         \framebox[\columnwidth]{??? Strip ???}%
14772     \fi
14773 \fi
14774 \else
14775     \@latex@error{Strip is used only on left column!}\@ehc
14776 \if@vihproof
14777     \framebox[\columnwidth]{??? Strip ???}%
14778 \fi
14779 \fi
14780 }

```

## 84 File minitoc-xetex-bidi.def

```

14781 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14782 \def\@undottedtocline#1#2#3#4#5{%
14783     \ifnum #1>\c@tocdepth\relax \else
14784         \vskip \z@ plus.2\p@
14785     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmarg \
14786     \parindent #2\relax\@afterindenttrue
14787     \interlinepenalty\@M
14788     \leavevmode
14789     \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
14790     \hskip -\if@RTL\righskip\else\leftskip\fi
14791     #4\nobreak\hfill \nobreak
14792     \null\par}%
14793 \fi}
14794 \def\@Undottedtocline#1#2#3#4#5{%
14795     \ifnum #1>\c@tocdepth\relax \else
14796         \vskip \z@ \@plus.2\p@
14797     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmarg \
14798     \parindent #2\relax\@afterindenttrue
14799     \interlinepenalty\@M
14800     \leavevmode

```



```

14801     \@tempdima #3\relax
14802     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14803     {\coffefont #4}\nobreak \nobreak\null
14804     \par}%
14805 \fi}
14806 \def\@Undottedtoclinep#1#2#3#4#5{%
14807 \ifnum #1>\c@tocdepth\relax \else
14808     \vskip \z@ \@plus.2\p@
14809     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
14810     \parindent #2\relax\@afterindenttrue
14811     \interlinepenalty\@M
14812     \leavevmode
14813     \@tempdima #3\relax
14814     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14815     #4}\nobreak \hfill \nobreak\null
14816     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
14817     \par}%
14818 \fi}

```

## 85 File multicol-xetex-bidi.def

```

14819 \ProvidesFile{multicol-xetex-bidi.def}[2018/10/07 v1.1 bidi adaptations for multicol package ]
14820 \def\page@sofar{%
14821     \process@cols\mult@rightbox
14822     {\ifvoid\count@
14823         \setbox\count@\hbox to\hsize}%
14824     \else
14825         \wd\count@\hsize
14826     \fi}%
14827 \count@\col@number \advance\count@\m@ne
14828 \mult@info\z@
14829 {Column spec: \the\full@width\space = indent
14830     + columns + sep =\MessageBreak
14831     \the\multicol@leftmargin\space
14832     + \the\col@number\space
14833     x \the\hsize\space
14834     + \the\count@\space
14835     x \the\columnsep
14836     }%
14837 \ifvmode\else\errmessage{Multicol Error}\fi
14838 \nointerlineskip
14839 \setbox\z@\hbox{p}\global\dimen\tw\dp\z@
14840 \moveright\multicol@leftmargin
14841 \hbox to\full@width{%
14842     \bidi@multicol@align@columns
14843     \rlap{\phantom p}}%
14844     }%
14845 \prevdepth\z@
14846 \kern-\dimen\tw@
14847 \ifdim\dimen\tw@ > \mc@gridwarn

```



```

14848 \PackageWarning{multicol}%
14849   {Very deep columns!\MessageBreak
14850   Grid alignment might be broken}%
14851 \fi
14852 }
14853 \def\LTR@column@boxes{%
14854   \process@cols\mult@gfirstbox{%
14855     \ifdim\dp\count@>\dimen\tw@
14856     \global\dimen\tw@\dp\count@ \fi
14857     \mc@col@status@write
14858     \box\count@
14859     \hss{\columnseprulecolor\vrule
14860     \@width\columnseprule}\hss}%
14861   \ifdim\dp\mult@rightbox>\dimen\tw@
14862   \global\dimen\tw@\dp\mult@rightbox \fi
14863   \mc@lastcol@status@write
14864   \box\mult@rightbox
14865 }
14866
14867 \def\RTL@column@boxes{%
14868   \ifnum\col@number<\tw@
14869   \LTR@column@boxes
14870   \else
14871     \process@cols\mult@gfirstbox{%
14872       \hskip\hsize
14873       \hss{\columnseprulecolor\vrule
14874       \@width\columnseprule}\hss
14875     }%
14876     \hskip\hsize
14877     \process@cols\mult@gfirstbox{%
14878       \ifdim\dp\count@>\dimen\tw@
14879       \global\dimen\tw@\dp\count@ \fi
14880       \hskip-\hsize
14881       \mc@col@status@write
14882       \box\count@
14883       \hskip-\hsize
14884       \hskip-\columnsep
14885     }%
14886     \ifdim\dp\mult@rightbox>\dimen\tw@
14887     \global\dimen\tw@\dp\mult@rightbox \fi
14888     \hskip-\hsize
14889     \mc@lastcol@status@write
14890     \box\mult@rightbox
14891     \hskip-\hsize
14892     \hskip\full@width
14893   \fi
14894 }
14895 \newcommand\RTLmulticolcolumns
14896   {\let\bidi@multicol@align@columns
14897   \RTL@column@boxes}

```



```

14898 \newcommand\LTRmulticolcolumns
14899     {\let\ bidi@multicol@align@columns
14900      \LTR@column@boxes}
14901 \newcommand\ bidi@multicol@align@columns
14902     {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14903 \ bidi@AtEndPreamble{%
14904   \if@ bidi@csdef{footinsv@1}{%
14905     \def\footnoterule{\kern-3\p@
14906       \hrule \@width \textwidth \kern 2.6\p@}%
14907   }{}%
14908 }
14909 \def\multicols#1{\col@number#1\relax
14910   \ifnum\col@number<\tw@
14911     \PackageWarning{multicol}%
14912       {Using ` \number\col@number'
14913         columns doesn't seem a good idea.^^J
14914         I therefore use two columns instead}%
14915     \col@number\tw@ \fi
14916   \ifnum\col@number>10
14917     \PackageError{multicol}%
14918       {Too many columns}%
14919     {Current implementation doesn't
14920       support more than 10 columns.%
14921       \MessageBreak
14922       I therefore use 10 columns instead}%
14923     \col@number10 \fi
14924   \ifx\@footnotetext\mult@footnotetext\else
14925     \let\orig@footnotetext\@footnotetext
14926     \let\@footnotetext\mult@footnotetext
14927   \fi
14928   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14929     \let\orig@LTRfootnotetext\@LTRfootnotetext
14930     \let\@LTRfootnotetext\mult@LTRfootnotetext
14931   \fi
14932   \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14933     \let\orig@RTLfootnotetext\@RTLfootnotetext
14934     \let\@RTLfootnotetext\mult@RTLfootnotetext
14935   \fi
14936   \@ifnextchar[\mult@cols{\mult@cols[]}]
14937 \long\def\mult@footnotetext#1{\begingroup
14938   \hsize\textwidth
14939   \columnwidth\textwidth
14940   \orig@footnotetext{#1}\endgroup}
14941 \long\def\mult@LTRfootnotetext#1{\begingroup
14942   \hsize\textwidth
14943   \columnwidth\textwidth
14944   \orig@LTRfootnotetext{#1}\endgroup}
14945 \long\def\mult@RTLfootnotetext#1{\begingroup
14946   \hsize\textwidth
14947   \columnwidth\textwidth

```



```

14948         \orig@RTLfootnotetext{#1}\endgroup}
14949 \def\right@footnoterule{%
14950   \kern-3\p@
14951   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14952   \kern2.6\p@}
14953 \def\textwidth@footnoterule{\kern-3\p@
14954   \hrule \@width \textwidth \kern 2.6\p@}
14955 \def\bidileave@mult@copyins{%
14956   \advance\dimen@-\skip\@bidi@copyins@
14957   \advance\dimen@-\ht\@bidi@copyins@
14958 }
14959 \bidi@AtEndPreamble{%
14960   \if@bidi@csdef{footinsv@1}{%
14961     \def\bidileave@mult@footins@vr{%
14962       \advance\dimen@-\skip\footinsv@r
14963       \advance\dimen@-\ht\footinsv@r
14964     }%
14965     \def\bidileave@mult@footins@vl{%
14966       \advance\dimen@-\skip\footinsv@l
14967       \advance\dimen@-\ht\footinsv@l
14968     }%
14969     \def\bidinit@mult@footinsv@r{%
14970       \multiply\count\footinsv@r\col@number
14971       \multiply\skip \footinsv@r\col@number
14972     }%
14973     \def\bidinit@mult@footinsv@l{%
14974       \multiply\count\footinsv@l\col@number
14975       \multiply\skip \footinsv@l\col@number
14976     }%
14977     \def\bidireinsert@footnotesv@r{\ifvoid\footinsv@r\else
14978       \insert\footinsv@r{\fi}}%
14979     \def\bidireinsert@footnotesv@l{\ifvoid\footinsv@l\else
14980       \insert\footinsv@l{\fi}}%
14981     \bidi@patchcmd{\prepare@multicols}{%
14982       \reinsert@footnotes
14983     }{%
14984       \reinsert@footnotes
14985       \bidi@init@mult@footinsv@r
14986       \bidireinsert@footnotesv@r
14987       \bidi@init@mult@footinsv@l
14988       \bidireinsert@footnotesv@l
14989     }-{}-%
14990     \bidi@patchcmd{\multi@column@out}{%
14991       \ifnum \c@tracingmulticols>\thr@@
14992     }{%
14993       \ifvoid\footinsv@r
14994         \ifvoid\footinsv@l
14995         \else
14996           \PackageWarning{multicol}%
14997             {I moved some lines to

```



```

14998         the next page.\MessageBreak
14999         Footnotes on page
15000         \thepage\space might be wrong}%
15001     \fi
15002 \else
15003     \PackageWarning{multicol}%
15004     {I moved some lines to
15005     the next page.\MessageBreak
15006     Footnotes on page
15007     \thepage\space might be wrong}%
15008 \fi
15009 \ifnum \c@tracingmulticols>\thr@@
15010 }{}%
15011 \bidi@patchcmd{\endmulticols}{%
15012 \reinsert@footnotes
15013 }{%
15014 \reinsert@footnotes
15015 \bidi@reinsert@footnotesv@r
15016 \bidi@reinsert@footnotesv@l
15017 }{}%
15018 \bidi@patchcmd{\speci@ls}{%
15019 \reinsert@footnotes
15020 }{%
15021 \reinsert@footnotes
15022 \bidi@reinsert@footnotesv@r
15023 \bidi@reinsert@footnotesv@l
15024 }{}%
15025 \bidi@patchcmd{\speci@ls}{%
15026 \reinsert@footnotes
15027 }{%
15028 \reinsert@footnotes
15029 \bidi@reinsert@footnotesv@r
15030 \bidi@reinsert@footnotesv@l
15031 }{}%
15032 }{}%
15033 \bidi@patchcmd{\multi@column@out}{%
15034 \let\ifshr@kingsaved\ifshr@king
15035 }{%
15036 \if@bidi@csdef{footinsv@l}{%
15037 \divide\skip\footinsv@r\col@number
15038 \ifvoid\footinsv@r \else
15039 \bidi@leave@mult@footins@vr
15040 \fi
15041 \divide\skip\footinsv@l\col@number
15042 \ifvoid\footinsv@l \else
15043 \bidi@leave@mult@footins@vl
15044 \fi
15045 }{}%
15046 \ifvoid@bidi@copyins@ \else
15047 \bidi@leave@mult@copyins

```



```

15048     \fi
15049     \let\ifshrinkingsaved\ifshrink
15050   }-{}%
15051 }

```

## 86 File multienum-xetex-bidi.def

```

15052 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
15053 \renewcommand{\itemx}[1]{\parbox[t]{%
15054   \labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15055   \parbox[t]{\remainx}{\bidi@raggedright #1}\par}\smallskip
15056 \renewcommand{\itemxx}[2]{\parbox[t]{%
15057   \labelwidth}{\hfill{\labelname}}\hskip\labelsep
15058   \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15059   \labelwidth}{\hfill{\labelname}}\hskip\labelsep
15060   \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
15061 \renewcommand{\itemxxx}[3]{\parbox[t]{%
15062   \labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15063   \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15064   \labelwidth}{\hfill {\labelname}}\hskip\labelsep%
15065   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
15066   \labelwidth}{\hfill{\labelname}}\hskip\labelsep%
15067   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}\smallskip
15068 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
15069   \labelwidth}{\hfill{\labelname}}\hskip\labelsep
15070   \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
15071   \labelwidth}{\hfill{\labelname}}\hskip\labelsep
15072   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15073   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15074   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
15075   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15076   \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
15077 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
15078   \labelwidth}{\hfill{\labelname}}\hskip\labelsep
15079   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
15080   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15081   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
15082   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15083   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
15084   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15085   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
15086   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15087   \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
15088 \renewcommand{\itemxox}[2]{\parbox[t]{%
15089   \labelwidth}{\hfill{\labelname}}\hskip\labelsep
15090   \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15091   \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15092   \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
15093 \renewcommand{\itemxox}[2]{\parbox[t]{%
15094   \labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

15095 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
15096 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15097 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
15098 \renewcommand{\itemxxx}[3]{\parbox[t]{%
15099 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15100 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
15101 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15102 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15103 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15104 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15105 \renewcommand{\itemxox}[3]{\parbox[t]{%
15106 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15107 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15108 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15109 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
15110 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15111 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
15112 \renewcommand{\itemxxxo}[3]{\parbox[t]{%
15113 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15114 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
15115 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15116 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
15117 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
15118 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

## 87 File natbib-xetex-bidi.def

```

15119 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X
15120 \renewenvironment{thebibliography}[1]{%
15121 \bibsection
15122 \parindent\z@
15123 \bibpreamble
15124 \bibfont
15125 \ifRTL\ifLTRbibitems@RTLfalse\else\fi\else\ifRTLbibitems@RTLtrue\else\fi\fi
15126 \bidi@thebibliography@font@hook%
15127 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
15128 \ifNAT@openbib
15129 \renewcommand\newblock{\par}%
15130 \else
15131 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
15132 \fi
15133 \sloppy\clubpenalty4000\widowpenalty4000
15134 \sfcode`\.\@m
15135 \let\NAT@bibitem@first@sw@firstoftwo
15136 \let\citeN\cite \let\shortcite\cite
15137 \let\citeasnoun\cite
15138 }{%
15139 \bibitem@fin
15140 \bibpostamble
15141 \def\@noitemerr{%

```





```

15142 \PackageWarning{natbib}{Empty `thebibliography' environment}%
15143 }%
15144 \endlist
15145 \bibcleanup
15146 }%

```

## 88 File newfloat-xetex-bidi.def

```

15147 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
15148 \renewcommand*{newfloat@setwithin}[2]{%
15149   \ifcsname c@chapter\endcsname
15150     \@removefromreset{#1}{chapter}%
15151   \fi
15152   \@removefromreset{#1}{section}%
15153   \edef\@tempa{#2}%
15154   \ifx\@tempa\@empty
15155     \def\@tempa{none}%
15156   \fi
15157   \def\@tempb{none}%
15158   \ifx\@tempa\@tempb
15159     \ifcsname c@chapter\endcsname
15160       \@chapterlistsgap@off{#1}%
15161     \fi
15162     \newfloat@@setwithin{#1}{-}{-}%
15163   \else
15164     \def\@tempb{chapter}%
15165     \ifx\@tempa\@tempb
15166       \@addtoreset{#1}{chapter}%
15167       \@chapterlistsgap@on{#1}%
15168       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
15169     \else
15170       \def\@tempb{section}%
15171       \ifx\@tempa\@tempb
15172         \@addtoreset{#1}{section}%
15173         \ifcsname c@chapter\endcsname
15174           \@addtoreset{#1}{chapter}%
15175           \@chapterlistsgap@on{#1}%
15176           \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
15177         \else
15178           \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
15179         \fi
15180       \else
15181         \newfloat@Error{Invalid value `#2' for option `within'}%
15182       \fi
15183     \fi
15184   \fi}

```

## 89 File ntheorem-xetex-bidi.def

```

15185 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]

```



```

15186 \gdef\@thm#1#2#3{%
15187   \if@thmmarks
15188     \stepcounter{end\InTheoType ctr}%
15189   \fi
15190   \renewcommand{\InTheoType}{#1}%
15191   \if@thmmarks
15192     \stepcounter{curr#1ctr}%
15193     \setcounter{end#1ctr}{0}%
15194   \fi
15195   \refstepcounter{#2}%
15196   \theorem@prework
15197   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15198   \ifvmode \advance\thm@topsepadd\partopsep\fi
15199   \trivlist
15200   \@topsep \theorempreskipamount
15201   \@topsepadd \thm@topsepadd % used by \@endparenv
15202   \advance\linewidth -\theorem@indent
15203   \advance\@totalleftmargin \theorem@indent
15204   \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15205   \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

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

```

15206 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
15207 \gdef\@thm#1#2#3{%
15208   \if@thmmarks
15209     \stepcounter{end\InTheoType ctr}%
15210   \fi
15211   \renewcommand{\InTheoType}{#1}%
15212   \if@thmmarks
15213     \stepcounter{curr#1ctr}%
15214     \setcounter{end#1ctr}{0}%
15215   \fi
15216   \refstepcounter{#2}%
15217   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
15218   \ifvmode \advance\thm@topsepadd\partopsep\fi
15219   \trivlist
15220   \@topsep \theorempreskipamount
15221   \@topsepadd \thm@topsepadd % used by \@endparenv
15222   \advance\linewidth -\theorem@indent
15223   \advance\@totalleftmargin \theorem@indent
15224   \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
15225   \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 91 File overpic-xetex-bidi.def

```

15226 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package fo
15227 \renewenvironment{overpic}[2][\fi]{%
15228   \sbox{\z@}{\includegraphics[#1]{#2}}%
15229   \settodepth{\@tempcnta}{\usebox{\z@}}%

```



```

15230 \settoheight{\@tempcntb}{\usebox{\z@}}%
15231 \advance\@tempcntb\@tempcnta%
15232 \settowidth{\@tempcnta}{\usebox{\z@}}%
15233 \setlength{\@tempdima}{\unitlength}%
15234 \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
15235 %
15236 \OVP@calc%
15237 %
15238 \begin{picture}(\@tempcnta,\@tempcntb)%
15239   \ifRTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
15240   \ifGin@grid%
15241     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15242       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15243     \fi\fi%
15244     % reset the graphics parameter
15245     \let\Gin@outer@scalex\relax
15246     \let\Gin@outer@scaley\relax
15247     \let\Gin@angle\relax
15248     \let\Gin@ewidth\Gin@exclamation
15249     \let\Gin@eheight\Gin@ewidth
15250     \def\Gin@scalex{1}
15251     \let\Gin@scaley\Gin@exclamation
15252 }{%
15253   \ifRTL\ifGin@grid%
15254     \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
15255       \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
15256     \fi%
15257     \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
15258 \end{picture}%
15259 }%

```

## 92 File pdfbase-xetex-bidi.def

```

15260 \ProvidesFile{pdfbase-xetex-bidi.def}[2018/09/29 v0.2 bidi adaptations for pdfbase package for
15261 \ExplSyntaxOn
15262 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
15263 \cs_set_nopar:Npn\@outputpage{
15264   \int_gincr:N\g_pbs_page_int
15265   \iow_now:Nx\@mainaux{
15266     \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
15267   }
15268   \box_if_vertical:cTF{@outputbox}{
15269     \bool_set_true:N\l_pbs_is_vertical_bool
15270   }{
15271     \bool_set_false:N\l_pbs_is_vertical_bool
15272   }
15273   \hbox_set:Nn\@outputbox{
15274     %begin of page
15275     \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
15276     \box_use_clear:N\@outputbox

```



```

15277 %end of page
15278 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
15279 }
15280 \bool_if:NT\l_pbs_is_vertical_bool{
15281 \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
15282 }
15283 \pbs_outputpage_orig:
15284 }
15285 \ExplSyntaxOff

```

### 93 File pdfpages-xetex-bidi.def

```

15286 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
15287 \renewcommand*\includepdf}[2] []{%
15288 \begingroup
15289 \@RTLfalse
15290 \let\AM@threadname\relax
15291 \AM@split@options{pdfpages}{#1}%
15292 \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
15293 \expandafter\setkeys\AM@temp
15294 \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
15295 \let\AM@currentdocname\relax
15296 \renewcommand\includegraphics[2] []{Survey in draft-mode}%
15297 \def\AM@pagecount{0}%
15298 }{%
15299 \AM@findfile{#2}%
15300 \if\AM@threadname\relax
15301 \def\AM@threadname{\AM@currentdocname}%
15302 \fi
15303 }%
15304 \ifAM@survey
15305 \def\AM@pagestemp{}%
15306 \@tempcnta=0
15307 \def\foo{%
15308 \@ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
15309 {\let\foo\relax}
15310 {\expandafter\ifx\expandafter\\AM@pagestemp\
15311 \edef\AM@pagestemp{%
15312 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15313 \else
15314 \edef\AM@pagestemp{\AM@pagestemp,%
15315 \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15316 \fi
15317 \advance\@tempcnta 1\relax
15318 }%
15319 \foo
15320 }%
15321 \foo
15322 \expandafter\ifx\expandafter\\AM@pagestemp\
15323 \def\AM@pagestemp{1}%

```



```

15324 \fi
15325 \fi
15326 \ifAM@output
15327 \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
15328 \AM@output{#1}%
15329 \fi
15330 \AM@CheckAtEnd
15331 \endgroup
15332 \AM@ClearShipoutPicture
15333 }

```

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

```

15334 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
15335 \def\pgfpicture{%
15336 \begingroup%
15337 \ifmmode\else\@RTLfalse\beginL\fi%
15338 \pgfpicturetrue%
15339 \global\advance\pgf@picture@serial@count by1\relax%
15340 \edef\pgfpictureid{pgfid\the\pgf@picture@serial@count}%
15341 \let\pgf@nodecallback=\pgfutil@gobble%
15342 \pgf@picmaxx=-16000pt\relax%
15343 \pgf@picminx=16000pt\relax%
15344 \pgf@picmaxy=-16000pt\relax%
15345 \pgf@picminy=16000pt\relax%
15346 \pgf@relevantforpicturesizetrue%
15347 \pgf@resetpathsizes%
15348 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
15349 \def\endpgfpicture{%
15350 \ifpgfrememberpicturepositiononpage%
15351 \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
15352 \fi%
15353 % ok, now let's position the box
15354 \ifdim\pgf@picmaxx=-16000pt\relax%
15355 % empty picture. make size 0.
15356 \global\pgf@picmaxx=0pt\relax%
15357 \global\pgf@picminx=0pt\relax%
15358 \global\pgf@picmaxy=0pt\relax%
15359 \global\pgf@picminy=0pt\relax%
15360 \fi%
15361 % Shift baseline outside:
15362 \pgf@relevantforpicturesizefalse%
15363 \pgf@process{\pgf@baseline}%
15364 \xdef\pgf@shift@baseline{\the\pgf@y}%
15365 %
15366 \pgf@process{\pgf@trimleft}%
15367 \global\advance\pgf@x by-\pgf@picminx
15368 % prepare \hskip\pgf@trimleft@final.
15369 % note that \pgf@trimleft@final is also queried
15370 % by the pgf image externalization.

```



```

15371         \xdef\pgf@trimleft@final{-\the\pgf@x}%
15372         %
15373         \pgf@process{\pgf@trimright}%
15374         \global\advance\pgf@x by-\pgf@picmaxx
15375         % prepare \hskip\pgf@trimright@final.
15376         % note that \pgf@trimright@final is also queried
15377         % by the pgf image externalization.
15378         \xdef\pgf@trimright@final{\the\pgf@x}%
15379         %
15380         \pgf@remember@layerlist@globally
15381         \endgroup%
15382         \hss%
15383         \egroup%
15384         \pgf@restore@layerlist@from@global
15385         \pgf@insertlayers%
15386         \endgroup%
15387         \pgfsys@discardpath%
15388         \endgroup%
15389         \pgfsys@endscope%
15390         \pgfsys@endpicture%
15391         \endgroup%
15392         \hss
15393     \egroup%
15394     \pgfsys@typesetpicturebox\pgfpic%
15395     \ifmmode\else\endL\fi%
15396     \endgroup%
15397 }

```

## 95 File picinpar-xetex-bidi.def

```

15398 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15399 \long\def\@makewincaption#1#2{%
15400     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15401     \ifdim\wd\@tempboxa>\picwd
15402         {\footnotesize{\bf #1:\enspace}{#2\par}}
15403     \else
15404         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15405     \fi}
15406 \def\endwindow{%
15407     \global\tcd=\tcdsav
15408     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15409     \vbadness=10000
15410     \splittopskip=0pt
15411 %
15412 % Typeset the lines above the window
15413 %
15414 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15415 \tcn=\tcd
15416 \loop\advance\tcn -1
15417 \setbox\fslice=\vsplit\holder to\baselineskip

```



```

15418 \prune\fslice\linewidth
15419 \topheight=0pt
15420 \ifnum\dp\fslice>\dp\wstrutbox
15421     \advance\topheight-\dp\fslice
15422     \advance\topheight\dp\wstrutbox
15423     \advance\topheight\ilg\fi
15424 \hbox to\linewidth{\box\fslice}
15425 \vskip-\topheight
15426 \ifdim\ht\holder>0pt\repeat
15427 \fi
15428 %
15429 % Now we build the boxes beside the window
15430 %
15431 \global\topheight=\tcl\baselineskip
15432 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15433     \global\topheight=\vpic
15434 \fi
15435 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15436 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15437 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15438 \tcl=\tcl \na=0 \nb=0
15439 \ifnum\bl>0 \ifnum\br>0 \multiply\tcl by 2\fi\fi
15440 \ifnum\bl>0\na=\tcl\ifnum\br>0\divide\na by 2\fi\fi
15441 \ifnum\br>0\nb=\tcl\ifnum\bl>0\divide\nb by 2\fi\fi
15442 \ifnum\na=0\ifnum\nb=0
15443     \setbox\waslice=\vbox to\vpic{\vss}
15444     \setbox\wbslice=\vbox to\vpic{\vss}
15445     \bl=1\br=1
15446     \vskip\ilg
15447 \fi\fi
15448 %
15449 % both sides
15450 %
15451 \ifnum\na>0 \ifnum\nb>0
15452 \loop\advance\nb -1
15453 \advance\na -1
15454 \if@RTL%
15455 \setbox\bslice=\vsplit\holder to\baselineskip
15456 \prune\bslice\rtside
15457 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15458 to\rtside{\box\bslice\hfil}}
15459 \setbox\aslice=\vsplit\holder to\baselineskip
15460 \prune\aslice\lftside
15461 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15462 to\lftside{\box\aslice\hfil}}
15463 \else%
15464 \setbox\aslice=\vsplit\holder to\baselineskip
15465 \prune\aslice\lftside
15466 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15467 to\lftside{\box\aslice\hfil}}

```



```

15468 \setbox\bslice=\vsplit\holder to\baselineskip
15469 \prune\bslice\rtside
15470 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15471 to\rtside{\box\bslice\hfil}}
15472 \fi%
15473 \ifnum\nb>0\repeat
15474 \fi\fi
15475 %
15476 % only text on the left side
15477 %
15478 \ifnum\na>0
15479   \loop\advance\na -1
15480   \setbox\aslice=\vsplit\holder to\baselineskip
15481   \prune\aslice\lftside
15482   \setbox\waslice=\vbox{\unvbox\waslice\hbox
15483   to\lftside{\box\aslice\hfil}}
15484   \ifdim\ht\holder>0pt\repeat
15485 \fi
15486 %
15487 % only text on the right side
15488 %
15489 \ifnum\nb>0
15490   \loop\advance\nb -1
15491   \setbox\bslice=\vsplit\holder to\baselineskip
15492   \prune\bslice\rtside
15493   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15494   to\rtside{\box\bslice\hfil}}
15495   \ifdim\ht\holder>0pt\repeat
15496 \fi
15497 %
15498 % fixing the dimensions of the window part
15499 %
15500 \ifnum\bl=0\topheight=\ht\wbslice
15501 \else\ifnum\br=0\topheight=\ht\waslice
15502   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15503     \else\topheight=\ht\wbslice\fi\fi\fi
15504 %
15505 % ship out the window material to the main vertical list
15506 %
15507 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15508 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
15509 \fi\fi\fi
15510 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15511 \ifnum\bl>0\box\waslice\hfill\fi%
15512 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15513 \vfill\unvbox\picbox%
15514 \ifnum\picwd>0\vfill\fi%
15515 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15516 \unvbox>windowbox%
15517 \loop

```





```

15518 \setbox\bslice=\vsplit\rawtext to\baselineskip
15519 \prune\bslice\linewidth
15520 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15521 \unvbox\wbslice
15522 \ifdim\ht\rawtext>Opt
15523 \repeat
15524 }% FINITO

```

## 96 File plain-xetex-bidi.def

```

15525 \def\TeXeTOn{\TeXeTstate=1 }
15526 \def\TeXeTOff{\TeXeTstate=0 }
15527 \TeXeTOn
15528 \def\usebox#1{\leavevmode\copy #1\relax}
15529 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
15530 \let\bidi@o@everypar=\everypar
15531 \newtoks\bidi@n@everypar
15532 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
15533 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
15534 \let\everypar=\bidi@n@everypar
15535 \def\moreLRE{\bracetext \aftergroup\endL \beginL@RTLfalse}
15536 \def\moreRLE{\bracetext \aftergroup\endR \beginR@RTLtrue}
15537 \protected\def\hboxR{\hbox\bgroup
15538 \everyhbox{%
15539 \aftergroup\egroup
15540 \everyhbox{}}%
15541 \beginR
15542 \@hboxRconstructtrue
15543 \bgroup
15544 \aftergroup\endR
15545 \aftergroup\egroup
15546 }\hbox}
15547 \protected\def\hboxL{\hbox\bgroup
15548 \everyhbox{%
15549 \aftergroup\egroup
15550 \everyhbox{}}%
15551 \beginL
15552 \@hboxRconstructfalse
15553 \bgroup
15554 \aftergroup\endL
15555 \aftergroup\egroup
15556 }\hbox}
15557 \protected\def\vboxR{\vbox\bgroup
15558 \everyvbox{%
15559 \aftergroup\egroup
15560 \everyvbox{}}%
15561 \@RTLtrue
15562 \bgroup
15563 \aftergroup\egroup
15564 }\vbox}

```



```

15565 \protected\def\ vboxL{\ vbox\bgroup
15566 \everyvbox{%
15567 \aftergroup\egroup
15568 \everyvbox{}}%
15569 \@RTLfalse
15570 \bgroup
15571 \aftergroup\egroup
15572 }\ vbox}
15573 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15574 \def\endLTR{\par}
15575 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15576 \def\endRTL{\par}
15577 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15578 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15579 \let\unsetRTL=\setLTR
15580 \let\unsetLTR=\setRTL
15581 \let\LR=\LRE
15582 \let\RL=\RLE
15583 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15584 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15585 \let\@ensure@RL=\@ensure@RTL
15586 \let\@ensure@LR=\@ensure@LTR
15587 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15588 \let\@ensure@maindir=\@ensure@dir
15589 \def\@RTL{RTL}
15590 \def\@LTR{LTR}
15591 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
15592 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
15593 \let\@TeX\TeX
15594 \def\TeX{\@ensure@LTR{\@TeX}}
15595 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
15596 \dimen@=\dp\ccclv \unvbox\ccclv % open up \box255
15597 \ifvoid\footins\else % footnote info is present
15598 \vskip\skip\footins
15599 \footnoterule
15600 \unvbox\footins\fi
15601 \ifr@ggedbottom \kern-\dimen@ \vfil \fi
15602 \ifvoid\@bidi@copyins@
15603 \else
15604 \vskip\skip\@bidi@copyins@
15605 \unvbox\@bidi@copyins@
15606 \fi
15607 }
15608 \long\def\bidi@reflect@box#1{%
15609 \leavevmode
15610 \setbox\z@\hbox{#1}}%
15611 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15612 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15613 }
15614 \def\XeTeX\LR{\leavevmode$\smash{\hbox{X}\lower.5ex

```



```

15615 \hbox{\kern-.125em\ bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
15616 \let\setRL=\setRTL
15617 \let\setLR=\setLTR
15618 \let\unsetRL=\setLTR
15619 \let\ bidi@sav ed@eqno=\eqno
15620 \let\ bidi@sav ed@leqno=\leqno
15621 \def\eqno{\ifnum\pre displaydirection<z@ \ bidi@sav ed@leqno \else \ bidi@sav ed@eqno \fi}
15622 \def\leqno{\ifnum\pre displaydirection<z@ \ bidi@sav ed@eqno \else \ bidi@sav ed@leqno \fi}
15623 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15624 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15625 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

## 97 File pstricks-xetex-bidi.def

```

15626 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package ]
15627 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15628 \def\endpspicture{%
15629 \ifshowgrid\ifnum\showgridp@s>0
15630 \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15631 \pst@killglue
15632 % \global\pst@shift=\pst@shift% in fact of the following endgroup
15633 \endgroup
15634 \egroup
15635 \ifdim\wd\pst@hbox=\z@\else
15636 %\@pstrickserr{Extraneous space in the pspicture environment}%
15637 %\Type \space <return> \space to proceed.}%
15638 \fi
15639 \ht\pst@hbox=\pst@dimd
15640 \dp\pst@hbox=-\pst@dimb
15641 \setbox\pst@hbox=\hbox{%
15642 \kern-\pst@dima
15643 % Orig version -----
15644 %\ifx\pst@tempa\@empty\else
15645 %\advance\pst@dimd-\pst@dimb
15646 %\pst@dimd=\pst@tempa\pst@dimd
15647 %\advance\pst@dimd\pst@dimb
15648 %\lower\pst@dimd
15649 %\fi
15650 %----- end Orig
15651 \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
15652 \advance\pst@dimd-\pst@dimb
15653 \pst@dimd=0.5\pst@dimd
15654 \else\pst@dimd-\pst@shift\fi
15655 \advance\pst@dimd\pst@dimb
15656 \lower\pst@dimd
15657 \box\pst@hbox
15658 \kern\pst@dimc}%
15659 \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15660 \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15661 \fboxsep=0pt

```



```

15662 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15663 \ifmmode\else\endL\fi
15664 \endgroup%
15665 \psset[pstricks]{shift=0}% reset value
15666 }

```

## 98 File quotchap-xetex-bidi.def

```

15667 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15668 \renewcommand{\qauthor}[1]{%
15669   \par\smallskip
15670   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}
15671 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15672   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15673     {\chapnumfont
15674       \ifnum \c@secnumdepth >\m@ne%
15675         \if@mainmatter\thechapter%
15676         \fi\fi
15677         \par\nobreak}%
15678     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10pt}
15679     \nobreak\chapterheadendvskip}}
15680 \renewcommand*{\@iprintcites}{%
15681   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15682   \global\let\@printcites\relax}

```

## 99 File ragged2e-xetex-bidi.def

```

15683 \ProvidesFile{ragged2e-xetex-bidi.def}[2018/10/17 v0.3 bidi adaptations for ragged2e package]
15684 \renewcommand{\Centering}{%
15685   \ifx\\ \@raggedtwoe@savedcr
15686     \let\\ \@centercr
15687   \fi
15688   \let\@gnewline\@raggedtwoe@gnewline
15689   \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
15690   \@rightskip\CenteringRightskip
15691   \if@RTL\leftskip\else\rightskip\fi\@rightskip
15692   \parfillskip\CenteringParfillskip
15693   \parindent\CenteringParindent
15694   \@raggedtwoe@spaceskiptrue
15695   \@raggedtwoe@everyselectfont
15696 }
15697 \renewcommand{\RaggedLeft}{%
15698   \ifx\\ \@raggedtwoe@savedcr
15699     \let\\ \@centercr
15700   \fi
15701   \let\@gnewline\@raggedtwoe@gnewline
15702   \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
15703   \@rightskip\RaggedLeftRightskip
15704   \if@RTL\leftskip\else\rightskip\fi\@rightskip
15705   \parfillskip\RaggedLeftParfillskip

```



```

15706 \parindent\RaggedLeftParindent
15707 \@raggedtwo@spaceskiptrue
15708 \@raggedtwo@everyselectfont
15709 }
15710 \renewcommand{\RaggedRight}{%
15711 \ifx\\ \@raggedtwo@savedcr
15712 \let\\ \@centercr
15713 \fi
15714 \let\@newline\@raggedtwo@gnewline
15715 \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
15716 \@rightskip\RaggedRightRightskip
15717 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15718 \parfillskip\RaggedRightParfillskip
15719 \parindent\RaggedRightParindent
15720 \@raggedtwo@spaceskiptrue
15721 \@raggedtwo@everyselectfont
15722 }
15723 \renewcommand{\justifying}{%
15724 \let\\ \@raggedtwo@savedcr
15725 \let\@newline\@raggedtwo@saved@gnewline
15726 \if@RTL\rightskip\else\leftskip\fi\z@
15727 \@rightskip\z@
15728 \if@RTL\leftskip\else\rightskip\fi\@rightskip
15729 \parfillskip\JustifyingParfillskip
15730 \parindent\JustifyingParindent
15731 \@raggedtwo@spaceskipfalse
15732 \@raggedtwo@everyselectfont
15733 }
15734 \def\@raggedtwo@raggedrightboxes@opt{%
15735 \renewcommand{\@arrayparboxrestore}{%
15736 \let\if@nobreak\iffalse
15737 \let\if@noskipsec\iffalse
15738 \let\par\@par
15739 \let-\@dischyph
15740 \let'\@acci\let`\@accii\let=\@acciii
15741 \parskip\z@skip
15742 \everypar{}%
15743 \linewidth\hsize
15744 \@totalleftmargin\z@
15745 \if@RTL
15746 \RaggedLeft
15747 \else
15748 \RaggedRight
15749 \fi
15750 \lineskip\normallineskip
15751 \baselineskip\normalbaselineskip
15752 \sloppy}%
15753 \let\@raggedtwo@raggedrightboxes@opt\relax
15754 }
15755 \def\@raggedtwo@document@opt{%

```



```

15756 \AtBeginDocument{@raggedtwo@abdhook}%
15757 \@raggedtwo@raggedrightboxes@opt
15758 \@raggedtwo@footmisctrue
15759 \let\@raggedtwo@document@opt\relax
15760 }
15761 \def\@raggedtwo@abdhook{%
15762 \PackageInfo{ragged2e}{ABD: executing '\string\RaggedLeft' for
15763 right to left documents and '\string\RaggedRight' for left
15764 to right documents}%
15765 \if@RTL
15766 \RaggedLeft
15767 \else
15768 \RaggedRight
15769 \fi
15770 \@ifundefined{@tocrmarg}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
15771 \let\@raggedtwo@abdhook\relax
15772 }
15773 \@ifpackagewith{ragged2e}{raggedrightboxes}{%
15774 \@raggedtwo@raggedrightboxes@opt
15775 }{}
15776 \@ifpackagewith{ragged2e}{document}{%
15777 \@raggedtwo@document@opt
15778 }{}
15779 \let\origin@RaggedLeft=\RaggedLeft
15780 \let\origin@RaggedRight=\RaggedRight
15781 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15782 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

## 100 File rapport1-xetex-bidi.def

```

15783 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15784 \renewenvironment{theindex}{%
15785 \if@twocolumn
15786 \@restonecolfalse
15787 \else
15788 \@restonecoltrue
15789 \fi
15790 \columnseprule \z@
15791 \columnsep 35\p@
15792 \twocolumn[\@makeschapterhead{\indexname}]%
15793 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
15794 \thispagestyle{plain}\parindent\z@
15795 \parskip\z@ \@plus .3\p@\relax
15796 \let\item\@idxitem
15797 }{}%
15798 \if@restonecol\onecolumn\else\clearpage\fi}
15799 \renewcommand*{head@style}{%
15800 \interlinepenalty \@M
15801 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15802 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```



```

15803 \if@titlepage
15804   \renewenvironment{abstract}{%
15805     \titlepage
15806     \null\vfil
15807     \section*{\SectFont\abstractname}%
15808     \noindent\ignorespaces}
15809   {\par\vfil\null\endtitlepage}
15810 \else
15811   \renewenvironment{abstract}{%
15812     \if@twocolumn
15813       \section*{\abstractname}%
15814     \else
15815       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15816       \section*{\small\SectFont\abstractname}%
15817       \noindent\ignorespaces
15818     \fi}
15819   {\if@twocolumn\else\par\egroup\fi}
15820 \fi
15821 \renewcommand*\@regtocline[3]{%
15822   \ifnum #1>\c@tocdepth
15823   \else
15824     \vskip\z@\@plus.2\p@
15825     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15826     \if@RTL\rightskip\else\leftskip\fi\unitindent
15827     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
15828     \parfillskip\z@
15829     \@tempdima\unitindent
15830     \parindent\z@
15831     \leavevmode
15832     \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
15833     \hskip 1em \nobreak{\slshape #3}\par
15834   }%
15835   \fi}
15836 \if@oldtoc
15837 \renewcommand*\l@part[2]{%
15838   \ifnum \c@tocdepth >-2\relax
15839     \addpenalty{-\@highpenalty}%
15840     \addvspace{2.25em \@plus\p@}%
15841     \begingroup
15842       \setlength\@tempdima{3em}%
15843       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15844       \parfillskip -\@pnumwidth
15845       {\leavevmode
15846         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15847         \nobreak
15848         \global\@nobreaktrue
15849         \everypar{\global\@nobreakfalse\everypar{}}%
15850       \endgroup
15851     \fi}
15852 \else

```



```

15853 \renewcommand*\l@part{%
15854     \ifnum \c@tocdepth >-2\relax
15855     \addpenalty{-\@highpenalty}%
15856     \addvspace{2.25em \@plus \p}%
15857     \@regtocline{0}%
15858     \fi}
15859 \fi
15860 \if@oldtoc
15861 \renewcommand*\l@chapter[2]{%
15862     \addpenalty{-\@highpenalty}%
15863     \vskip 1.0em \@plus\p@
15864     \setlength\@tempdima{1.5em}%
15865     \begingroup
15866     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15867     \parfillskip -\@pnumwidth
15868     \leavevmode \bfseries
15869     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15870     \hskip -\if@RTL\rightskip\else\leftskip\fi
15871     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15872     \penalty\@highpenalty
15873     \endgroup}
15874 \else
15875 \renewcommand*\l@chapter{\@regtocline{0}}
15876 \fi
15877 \renewcommand*\left@footnoterule{%
15878     \kern-3\p@
15879     \kern.5\baselineskip
15880     \hrule\@width\unitindent
15881     \kern.4\baselineskip
15882 }
15883 \renewcommand*\right@footnoterule{%
15884     \kern-3\p@
15885     \kern.5\baselineskip
15886     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15887     \kern.4\baselineskip}
15888 \renewenvironment{thebibliography}[1]
15889     {\chapter*{\bibname}%
15890     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15891     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15892     \bidi@thebibliography@font@hook%
15893     \list{\@biblabel{\@arabic\c@enumiv}}%
15894     {\settowidth\labelwidth{\@biblabel{#1}}%
15895     \leftmargin\labelwidth
15896     \advance\leftmargin\labelsep
15897     \@openbib@code
15898     \usecounter{enumiv}%
15899     \let\p@enumiv\@empty
15900     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15901     \sloppy\clubpenalty4000\widowpenalty4000%
15902     \sfcode\.\@m}

```





```

15903     {\def\@noitemerr
15904       {\@latex@warning{Empty `thebibliography' environment}}}%
15905     \endlist}
15906 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15907 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15908 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15909 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15910 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15911 \renewcommand*\theequation{%
15912   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
15913 \renewcommand*\thefigure{%
15914   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15915 \renewcommand*\thetable{%
15916   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15917 \if@titlepage
15918 \renewcommand*\TitleFont{\rmfamily}
15919 \renewcommand*\maketitle{%
15920   \begin{titlepage}%
15921     \let\footnotesize\small
15922     \let\right@footnoterule\relax
15923     \let\left@footnoterule\relax
15924     \let\textwidth@footnoterule\relax
15925     \let \footnote \thanks
15926     \long\def\@makefnmark##1{\parindent\z@
15927       \def\labelitemi{\textendash}\@revlabeltrue
15928       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15929 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15930 \if@compatibility\setcounter{page}{0}\fi
15931 \null\vfil
15932 \vskip 60\p@
15933 \begin{center}%
15934   \TitleFont
15935   {\LARGE \def\\{\penalty -\@M}
15936     \if@allcaps
15937       \expandafter\uc@nothanks\@title\thanks\relax
15938     \else
15939       \@title
15940     \fi\par}%
15941 \vskip 3em%
15942 {\large
15943   \lineskip .75em \parindent\z@
15944   \begin{tabular}[t]{c}%
15945     \if@allcaps
15946       \expandafter\uc@authornothanks\@author\and\relax
15947     \else
15948       \@author
15949     \fi
15950   \end{tabular}\par}%
15951 \vskip 1.5em%
15952 {\large

```



```

15953     \if@allcaps
15954         \uppercase\expandafter{\@date}%
15955     \else
15956         \@date
15957     \fi\par}%
15958 \end{center}\par
15959 \@thanks
15960 \vfil\null
15961 \end{titlepage}%
15962 \setcounter{footnote}{0}%
15963 \global\let\thanks\relax
15964 \global\let\maketitle\relax
15965 \global\let\@thanks\@empty
15966 \global\let\@author\@empty
15967 \global\let\@title\@empty
15968 \global\let\@date\@empty
15969 \global\let\title\relax
15970 \global\let\author\relax
15971 \global\let\date\relax
15972 \global\let\and\relax
15973 }
15974 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15975 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15976     \futurelet\@tempa\uc@ax}
15977 \def\uc@ax{%
15978     \ifx\@tempa\relax
15979     \else
15980         \ \ \andname \ \ \expandafter\uc@authornothanks
15981     \fi}
15982 \def\uc@tx{\ifx\@tempa\relax
15983     \else \expandafter\uc@ty \fi}
15984 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15985 \else
15986 \renewcommand*\maketitle{\par
15987     \begingroup
15988     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15989     \def\@makefnmark{\rlap{%
15990         \@textsuperscript{\normalfont\@thefnmark}}}%
15991     \long\def\@makefntext{\@xmakefntext{%
15992         \@textsuperscript{\normalfont\@thefnmark}}}%
15993     \iftwocolumn
15994         \ifnum \col@number=\@ne
15995             \@maketitle
15996         \else
15997             \twocolumn[\@maketitle]%
15998         \fi
15999     \else
16000         \newpage
16001         \global\@topnum\z@
16002         \@maketitle

```



```

16003   \fi
16004   \thispagestyle{plain}\@thanks
16005 \endgroup
16006 \setcounter{footnote}{0}%
16007 \global\let\thanks\relax
16008 \global\let\maketitle\relax
16009 \global\let\@maketitle\relax
16010 \global\let\@thanks\@empty
16011 \global\let\@author\@empty
16012 \global\let\@title\@empty
16013 \global\let\@date\@empty
16014 \global\let\title\relax
16015 \global\let\author\relax
16016 \global\let\date\relax
16017 \global\let\and\relax
16018 }
16019 \def\@maketitle{%
16020 \newpage
16021 \null
16022 \vskip 2em%
16023 \begin{center}%
16024   \let \footnote \thanks
16025   {\LARGE \TitleFont \@title \par}%
16026   \vskip 1.5em%
16027   {\large \TitleFont
16028     \lineskip .5em%
16029     \begin{tabular}[t]{c}%
16030       \@author
16031     \end{tabular}\par}%
16032   \vskip 1em%
16033   {\large \TitleFont \@date}%
16034 \end{center}%
16035 \par
16036 \vskip 1.5em}
16037 \fi

```

## 101 File rapport3-xetex-bidi.def

```

16038 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
16039 \renewenvironment{theindex}{%
16040   \if@twocolumn
16041     \@restonecolfalse
16042   \else
16043     \@restonecoltrue
16044   \fi
16045   \columnseprule \z@
16046   \columnsep 35\p@
16047   \twocolumn[\@makeschapterhead{\indexname}]%
16048   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
16049   \thispagestyle{plain}\parindent\z@

```



```

16050 \parskip\z@ \@plus .3\p@\relax
16051 \let\item\@idxitem
16052 }{%
16053 \if@restonecol\onecolumn\else\clearpage\fi}
16054 \if@titlepage
16055 \renewcommand*\TitleFont{\rmfamily}
16056 \renewcommand*\maketitle{%
16057 \begin{titlepage}%
16058 \let\footnotesize\small
16059 \let\right@footnoterule\relax
16060 \let\left@footnoterule\relax
16061 \let\textwidth@footnoterule\relax
16062 \let\footnote\thanks
16063 \let\LTRfootnote\LTRthanks
16064 \let\RTLfootnote\RTLthanks
16065 \long\def\@makefnctext##1{\parindent\z@
16066 \def\labelitemi{\textendash}\@revlabeltrue
16067 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
16068 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16069 \if@compatibility\setcounter{page}{0}\fi
16070 \null\vfil
16071 \vskip 60\p@
16072 \begin{center}%
16073 \TitleFont
16074 {\LARGE \def\\{\penalty -\@M}
16075 \if@allcaps
16076 \expandafter\uc@nothanks\@title\thanks\relax
16077 \else
16078 \@title
16079 \fi\par}%
16080 \vskip 3em%
16081 {\large
16082 \lineskip .75em \parindent\z@
16083 \begin{tabular}[t]{c}%
16084 \if@allcaps
16085 \expandafter\uc@authornothanks\@author\and\relax
16086 \else
16087 \@author
16088 \fi
16089 \end{tabular}\par}%
16090 \vskip 1.5em%
16091 {\large
16092 \if@allcaps
16093 \uppercase\expandafter{\@date}%
16094 \else
16095 \@date
16096 \fi\par}%
16097 \end{center}\par
16098 \@thanks
16099 \vfil\null

```



```

16100 \end{titlepage}%
16101 \setcounter{footnote}{0}%
16102 \global\let\thanks\relax
16103 \global\let\LTRthanks\relax
16104 \global\let\RTLthanks\relax
16105 \global\let\maketitle\relax
16106 \global\let\@thanks\@empty
16107 \global\let\@author\@empty
16108 \global\let\@title\@empty
16109 \global\let\@date\@empty
16110 \global\let\title\relax
16111 \global\let\author\relax
16112 \global\let\date\relax
16113 \global\let\and\relax
16114 }
16115 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
16116 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
16117 \futurelet\@tempa\uc@ax}
16118 \def\uc@ax{%
16119 \ifx\@tempa\relax
16120 \else
16121 \\\ \andname \\\ \expandafter\uc@authornothanks
16122 \fi}
16123 \def\uc@tx{\ifx\@tempa\relax
16124 \else \expandafter\uc@ty \fi}
16125 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
16126 \else
16127 \renewcommand*\maketitle{\par
16128 \begingroup
16129 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16130 \def\@makefnmark{\rlap{%
16131 \textsuperscript{\normalfont\thefnmark}}}%
16132 \long\def\@makefntext{\@xmakefntext{%
16133 \textsuperscript{\normalfont\thefnmark}}}%
16134 \if@twocolumn
16135 \ifnum \col@number=\@ne
16136 \@maketitle
16137 \else
16138 \twocolumn[\@maketitle]%
16139 \fi
16140 \else
16141 \newpage
16142 \global\@topnum\z@
16143 \@maketitle
16144 \fi
16145 \thispagestyle{plain}\@thanks
16146 \endgroup
16147 \setcounter{footnote}{0}%
16148 \global\let\thanks\relax
16149 \global\let\LTRthanks\relax

```



```

16150 \global\let\RTLthanks\relax
16151 \global\let\maketitle\relax
16152 \global\let\@maketitle\relax
16153 \global\let\@thanks\@empty
16154 \global\let\@author\@empty
16155 \global\let\@title\@empty
16156 \global\let\@date\@empty
16157 \global\let\title\relax
16158 \global\let\author\relax
16159 \global\let\date\relax
16160 \global\let\and\relax
16161 }
16162 \def\@maketitle{%
16163 \newpage
16164 \null
16165 \vskip 2em%
16166 \if@titlecentered
16167 \begin{center}%
16168 \let \footnote \thanks
16169 \let \LTRfootnote \LTRthanks
16170 \let \RTLfootnote \RTLthanks
16171 {\LARGE \TitleFont \@title \par}%
16172 \vskip 1.5em%
16173 {\large \TitleFont
16174 \lineskip .5em%
16175 \begin{tabular}[t]{c}%
16176 \@author
16177 \end{tabular}\par}%
16178 \vskip 1em%
16179 {\large \TitleFont \@date}%
16180 \end{center}%
16181 \else
16182 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
16183 {\large \TitleFont \lineskip .5em \tabcolsep\z@
16184 \def\and{%% \begin{tabular} has already started
16185 \end{tabular}\hskip 1em plus .17fil
16186 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabular}
16187 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}\@author\end{tabular}\p
16188 \vskip 1em {\large \TitleFont \@date}
16189 \fi
16190 \par
16191 \vskip 1.5em}
16192 \fi
16193 \renewcommand*\@regtocline[3]{%
16194 \ifnum #1>\c@tocdepth
16195 \else
16196 \vskip\z@\@plus.2\p@
16197 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
16198 \if@RTL\rightskip\else\leftskip\fi\unitindent
16199 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil

```



```

16200 \parfillskip\z@
16201 \@tempdima\unitindent
16202 \parindent\z@
16203 \leavevmode
16204 \hbox{\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
16205 \hskip 1em \nobreak{\slshape #3}\par
16206 }%
16207 \fi}
16208 \if@oldtoc
16209 \renewcommand*\l@part[2]{%
16210 \ifnum \c@tocdepth >-2\relax
16211 \addpenalty{-\@highpenalty}%
16212 \addvspace{2.25em \@plus \p@}%
16213 \begingroup
16214 \setlength\@tempdima{3em}%
16215 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
16216 \parfillskip -\@pnumwidth
16217 {\leavevmode
16218 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16219 \nobreak
16220 \global\@nobreaktrue
16221 \everypar{\global\@nobreakfalse\everypar{}}%
16222 \endgroup
16223 \fi}
16224 \else
16225 \renewcommand*\l@part{%
16226 \ifnum \c@tocdepth >-2\relax
16227 \addpenalty{-\@highpenalty}%
16228 \addvspace{2.25em \@plus \p@}%
16229 \@regtocline{0}%
16230 \fi}
16231 \fi
16232 \if@oldtoc
16233 \renewcommand*\l@chapter[2]{%
16234 \addpenalty{-\@highpenalty}%
16235 \vskip 1.0em \@plus \p@
16236 \setlength\@tempdima{1.5em}%
16237 \begingroup
16238 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
16239 \parfillskip -\@pnumwidth
16240 \leavevmode \bfseries
16241 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
16242 \hskip -\if@RTL\righskip\else\leftskip\fi
16243 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16244 \penalty\@highpenalty
16245 \endgroup}
16246 \else
16247 \renewcommand*\l@chapter{\@regtocline{0}}
16248 \fi
16249 \renewcommand*\head@style{%

```



```

16250 \interlinepenalty \@M
16251 \hyphenpenalty=\@M \exhyphenpenalty=\@M
16252 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
16253 \if@titlepage
16254 \renewenvironment{abstract}{%
16255 \titlepage
16256 \null\vfil
16257 \section*{\SectFont\abstractname}%
16258 \noindent\ignorespaces}
16259 {\par\vfil\null\endtitlepage}
16260 \else
16261 \renewenvironment{abstract}{%
16262 \iftwocolumn
16263 \section*{\abstractname}%
16264 \else
16265 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
16266 \section*{\small\SectFont\abstractname}%
16267 \noindent\ignorespaces
16268 \fi}
16269 {\if@twocolumn\else\par\egroup\fi}
16270 \fi
16271 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
16272 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
16273 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
16274 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16275 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
16276 \renewcommand*\thefigure{%
16277 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
16278 \renewcommand*\thetable{%
16279 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
16280 \renewcommand*\theequation{%
16281 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
16282 \renewenvironment{thebibliography}[1]
16283 {\chapter*{\bibname}%
16284 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16285 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16286 \bidi@thebibliography@font@hook%
16287 \list{\@biblabel{\@arabic\c@enumiv}}%
16288 {\settowidth\labelwidth{\@biblabel{#1}}%
16289 \leftmargin\labelwidth
16290 \advance\leftmargin\labelsep
16291 \@openbib@code
16292 \usecounter{enumiv}%
16293 \let\p@enumiv\@empty
16294 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
16295 \sloppy\clubpenalty4000\widowpenalty4000%
16296 \sfcode`.\@m}
16297 {\def\@noitemerr
16298 {\@latex@warning{Empty `thebibliography' environment}}%
16299 \endlist}

```





```

16300 \renewcommand*\left@footnoterule{%
16301   \kern-3\p@
16302   \kern.5\baselineskip
16303   \hrule\@width\unitindent
16304   \kern.4\baselineskip
16305 }
16306 \renewcommand*\right@footnoterule{%
16307   \kern-3\p@
16308   \kern.5\baselineskip
16309   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
16310   \kern.4\baselineskip}
16311 \renewcommand*\head@style{%
16312   \interlinepenalty \@M
16313   \hyphenpenalty=\@M \exhyphenpenalty=\@M
16314   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```

## 102 File refrep-xetex-bidi.def

```

16315 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for Xe
16316 \if@titlepage
16317   \renewcommand\maketitle{\begin{titlepage}%
16318     \let\footnotesize\small
16319     \let\right@footnoterule\relax
16320     \let\left@footnoterule\relax
16321     \let\textwidth@footnoterule\relax
16322     \let\footnote\thanks
16323     \let\LTRfootnote\LTRthanks
16324     \let\RTLfootnote\RTLthanks
16325     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16326     \def\@makefnmark%
16327       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16328     \long\def\@makefntext##1{%
16329       \setpar{\@par
16330         \@tempdima = \hsize
16331         \advance\@tempdima -1em
16332         \parshape \@ne 1em \@tempdima}%
16333       \par\parindent 1em \noindent
16334       \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16335     \null\vfil
16336     \vskip 60\p@
16337     \begin{center}%
16338       {\LARGE \@title \par}%
16339       \vskip 3em%
16340       {\large
16341         \lineskip .75em%
16342         \begin{tabular}[t]{c}%
16343           \@author
16344         \end{tabular}\par}%
16345       \vskip 1.5em%
16346       {\large \@date \par}%           % Set date in \large size.

```



```

16347 \end{center}\par
16348 \@thanks
16349 \vfil\null
16350 \end{titlepage}%
16351 \setcounter{footnote}{0}%
16352 \global\let\thanks\relax
16353 \global\let\LTRthanks\relax
16354 \global\let\RTLthanks\relax
16355 \global\let\maketitle\relax
16356 \global\let\@thanks\@empty
16357 \global\let\@author\@empty
16358 \global\let\@date\@empty
16359 \global\let\@title\@empty
16360 \global\let\title\relax
16361 \global\let\author\relax
16362 \global\let\date\relax
16363 \global\let\and\relax
16364 }
16365 \else
16366 \renewcommand\maketitle{\par
16367   \begingroup
16368     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16369     \def\@makefnmark%
16370       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16371     \long\def\@makefntext##1{%
16372       \setpar{\@par
16373         \tempdima = \hsize
16374         \advance\tempdima -1em
16375         \parshape \@one 1em \tempdima}%
16376       \par\parindent 1em \noindent
16377       \hb@xt@\z@\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16378     \if@twocolumn
16379       \ifnum \col@number=\@one
16380         \maketitle
16381       \else
16382         \twocolumn[\maketitle]%
16383       \fi
16384     \else
16385       \newpage
16386       \global\@topnum\z@ % Prevents figures from going at top of page.
16387       \maketitle
16388     \fi
16389     \thispagestyle{empty}\@thanks
16390   \endgroup
16391   \setcounter{footnote}{0}%
16392   \global\let\thanks\relax
16393   \global\let\LTRthanks\relax
16394   \global\let\RTLthanks\relax
16395   \global\let\maketitle\relax
16396   \global\let\@maketitle\relax

```



```

16397 \global\let\@thanks\@empty
16398 \global\let\@author\@empty
16399 \global\let\@date\@empty
16400 \global\let\@title\@empty
16401 \global\let\title\relax
16402 \global\let\author\relax
16403 \global\let\date\relax
16404 \global\let\and\relax
16405 }
16406 \def\@maketitle{%
16407   \newpage
16408   \null
16409   \longthickrule\vskip1.5em%
16410   \let \footnote \thanks
16411   \let \LTRfootnote \LTRthanks
16412   \let \RTLfootnote \RTLthanks
16413   {\secshape \parskip\z@ \parindent\z@
16414   \Large\bfseries \@title \par}%
16415   \vskip1.5em\longthickrule\vskip1.5em%
16416   {\normalsize
16417     \lineskip .5em%
16418     \begin{flushright}%
16419       {\slshape\@author\par}
16420       \vskip 1em%
16421       {\@date}%
16422     \end{flushright}\par}%
16423   \vskip 1.5em}
16424 \fi
16425 \renewcommand*\l@part[2]{%
16426   \ifnum \c@tocdepth >-2\relax
16427     \addpenalty{-\@highpenalty}%
16428     \addvspace{2.25em \@plus\p@}%
16429     \begingroup
16430       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16431       \parfillskip -\@pnumwidth
16432       {\leavevmode
16433         \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16434         \nobreak
16435         \global\@nobreaktrue
16436         \everypar{\global\@nobreakfalse\everypar{}}%
16437       \endgroup
16438   \fi}
16439 \renewcommand*\l@chapter[2]{%
16440   \ifnum \c@tocdepth >\m@ne
16441     \addpenalty{-\@highpenalty}%
16442     \vskip 1.0em \@plus\p@
16443     \setlength\@tempdima{1.5em}%
16444     \begingroup
16445       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16446       \parfillskip -\@pnumwidth

```



```

16447 \leavevmode \bfseries
16448 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16449 \hskip -\if@RTL\rightskip\else\leftskip\fi
16450 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16451 \penalty\@highpenalty
16452 \endgroup
16453 \fi}
16454 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16455 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16456 \hyphenpenalty=2000}
16457 \renewcommand\left@footnoterule{%
16458 \kern-3\p@
16459 \hrule\@width.4\columnwidth
16460 \kern 2.6\p@}
16461 \renewcommand\right@footnoterule{%
16462 \kern-3\p@
16463 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16464 \kern2.6\p@}
16465 \renewcommand\theequation
16466 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16467 \renewcommand\thefigure
16468 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16469 \renewcommand\thetable%
16470 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16471 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16472 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
16473 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\csubsubsection}
16474 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16475 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16476 \renewenvironment{thebibliography}[1]
16477 {\chapter*\bibname
16478 \mkboth{\bibname}{\bibname}}%
16479 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16480 \bidi@thebibliography@font@hook%
16481 \list{\@biblabel{\@arabic\c@enumiv}}%
16482 {\settowidth\labelwidth{\@biblabel{#1}}%
16483 \leftmargin\labelwidth
16484 \advance\leftmargin\labelsep
16485 \@openbib@code
16486 \usecounter{enumiv}%
16487 \let\p@enumiv\@empty
16488 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16489 \sloppy
16490 \clubpenalty4000
16491 \@clubpenalty \clubpenalty
16492 \widowpenalty4000%
16493 \sfcode`\.=\@m}
16494 {\def\@noitemerr
16495 {\@latex@warning{Empty `thebibliography' environment}}%
16496 \endlist}

```



## 103 File report-xetex-bidi.def

```
16497 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
16498 \renewenvironment{theindex}
16499     {\if@twocolumn
16500      \@restonecolfalse
16501      \else
16502      \@restonecoltrue
16503      \fi
16504      \columnseprule \z@
16505      \columnsep 35\p@
16506      \twocolumn[\@makeschapterhead{\indexname}]%
16507      \@mkboth{\MakeUppercase\indexname}%
16508              {\MakeUppercase\indexname}%
16509      \thispagestyle{plain}\parindent\z@
16510      \parskip\z@ \@plus .3\p@\relax
16511      \let\item\@idxitem}
16512     {\if@restonecol\onecolumn\else\clearpage\fi}
16513 \if@titlepage
16514 \renewcommand\maketitle{\begin{titlepage}%
16515 \let\footnotesize\small
16516 \let\right@footnoterule\relax
16517 \let\left@footnoterule\relax
16518 \let\textwidth@footnoterule\relax
16519 \let \footnote \thanks
16520 \let \LTRfootnote \LTRthanks
16521 \let \RTLfootnote \RTLthanks
16522 \null\vfil
16523 \vskip 60\p@
16524 \begin{center}%
16525   {\LARGE \@title \par}%
16526   \vskip 3em%
16527   {\large
16528     \lineskip .75em%
16529     \begin{tabular}[t]{c}%
16530       \@author
16531     \end{tabular}\par}%
16532     \vskip 1.5em%
16533     {\large \@date \par}%           % Set date in \large size.
16534 \end{center}\par
16535 \@thanks
16536 \vfil\null
16537 \end{titlepage}%
16538 \setcounter{footnote}{0}%
16539 \global\let\thanks\relax
16540 \global\let\LTRthanks\relax
16541 \global\let\RTLthanks\relax
16542 \global\let\maketitle\relax
16543 \global\let\@thanks\@empty
16544 \global\let\@author\@empty
```



```

16545 \global\let\@date\@empty
16546 \global\let\@title\@empty
16547 \global\let\title\relax
16548 \global\let\author\relax
16549 \global\let\date\relax
16550 \global\let\and\relax
16551 }
16552 \else
16553 \renewcommand\maketitle{\par
16554 \begingroup
16555 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16556 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16557 \long\def\@makefnmark##1{\parindent 1em\noindent
16558 \hb@xt@1.8em{%
16559 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
16560 \if@twocolumn
16561 \ifnum \col@number=\@ne
16562 \@maketitle
16563 \else
16564 \twocolumn[\@maketitle]%
16565 \fi
16566 \else
16567 \newpage
16568 \global\@topnum\z@ % Prevents figures from going at top of page.
16569 \@maketitle
16570 \fi
16571 \thispagestyle{plain}\@thanks
16572 \endgroup
16573 \setcounter{footnote}{0}%
16574 \global\let\thanks\relax
16575 \global\let\LTRthanks\relax
16576 \global\let\RTLthanks\relax
16577 \global\let\maketitle\relax
16578 \global\let\@maketitle\relax
16579 \global\let\@thanks\@empty
16580 \global\let\@author\@empty
16581 \global\let\@date\@empty
16582 \global\let\@title\@empty
16583 \global\let\title\relax
16584 \global\let\author\relax
16585 \global\let\date\relax
16586 \global\let\and\relax
16587 }
16588 \def\@maketitle{%
16589 \newpage
16590 \null
16591 \vskip 2em%
16592 \begin{center}%
16593 \let \footnote \thanks
16594 \let \LTRfootnote \LTRthanks

```



```

16595 \let \RTLfootnote \RTLthanks
16596 {\LARGE \@title \par}%
16597 \vskip 1.5em%
16598 {\large
16599 \lineskip .5em%
16600 \begin{tabular}[t]{c}%
16601 \@author
16602 \end{tabular}\par}%
16603 \vskip 1em%
16604 {\large \@date}%
16605 \end{center}%
16606 \par
16607 \vskip 1.5em}
16608 \fi
16609 \renewcommand*\l@part[2]{%
16610 \ifnum \c@tocdepth >-2\relax
16611 \addpenalty{-\@highpenalty}%
16612 \addvspace{2.25em \@plus\p@}%
16613 \setlength\@tempdima{3em}%
16614 \begingroup
16615 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16616 \parfillskip -\@pnumwidth
16617 {\leavevmode
16618 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16619 \nobreak
16620 \global\@nobreaktrue
16621 \everypar{\global\@nobreakfalse\everypar{}}%
16622 \endgroup
16623 \fi}
16624 \renewcommand*\l@chapter[2]{%
16625 \ifnum \c@tocdepth >\m@ne
16626 \addpenalty{-\@highpenalty}%
16627 \vskip 1.0em \@plus\p@
16628 \setlength\@tempdima{1.5em}%
16629 \begingroup
16630 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16631 \parfillskip -\@pnumwidth
16632 \leavevmode \bfseries
16633 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16634 \hskip -\if@RTL\rightskip\else\leftskip\fi
16635 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16636 \penalty\@highpenalty
16637 \endgroup
16638 \fi}
16639 \renewcommand\left@footnoterule{%
16640 \kern-3\p@
16641 \hrule\@width.4\columnwidth
16642 \kern2.6\p@}
16643 \renewcommand\right@footnoterule{%
16644 \kern-3\p@

```



```

16645 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16646 \kern2.6\p@}
16647 \renewcommand\theequation
16648 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16649 \renewcommand \thefigure
16650 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16651 \renewcommand \thetable
16652 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16653 \renewcommand \thechapter {\@arabic\c@chapter}
16654 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16655 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16656 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
16657 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16658 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16659 \def\@makechapterhead#1{%
16660 \vspace*{50\p@}%
16661 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16662 \ifnum \c@secnumdepth >\m@ne
16663 \huge\bfseries \@chapapp\space \thechapter
16664 \par\nobreak
16665 \vskip 20\p@
16666 \fi
16667 \interlinepenalty\@M
16668 \Huge \bfseries #1\par\nobreak
16669 \vskip 40\p@
16670 }}
16671 \def\@makeschapterhead#1{%
16672 \vspace*{50\p@}%
16673 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16674 \normalfont
16675 \interlinepenalty\@M
16676 \Huge \bfseries #1\par\nobreak
16677 \vskip 40\p@
16678 }}
16679 \renewenvironment{thebibliography}[1]
16680 {\chapter*{\bibname}%
16681 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16682 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16683 \bidi@thebibliography@font@hook%
16684 \list{\@biblabel{\@arabic\c@enumiv}}%
16685 {\settowidth\labelwidth{\@biblabel{#1}}%
16686 \leftmargin\labelwidth
16687 \advance\leftmargin\labelsep
16688 \@openbib@code
16689 \usecounter{enumiv}%
16690 \let\p@enumiv\@empty
16691 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16692 \sloppy
16693 \clubpenalty4000
16694 \@clubpenalty \clubpenalty

```





```

16695     \widowpenalty4000%
16696     \sfcode`.\@m}
16697     {\def\@noitemerr
16698       {\@latex@warning{Empty `thebibliography' environment}}}%
16699     \endlist}

```

## 104 File rotating-xetex-bidi.def

```

16700 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package ]
16701 \def\end@rotfloat{%
16702   \end{minipage}\end{lrbox}%
16703   \stepcounter{r@tfl@t}%
16704   \rot@label{RF\ther@tfl@t}%
16705   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16706   \edef\@tempa{Adding sideways \@capttype\space on page \R@@page\space}
16707   \rot@mess@toks\expandafter{\@tempa}
16708   \wd\rot@float@box\z@
16709   \ht\rot@float@box\z@
16710   \dp\rot@float@box\z@
16711   \vboxL to \textheight{%
16712     \setkeys{Grot}{units=360}%
16713     \if@rot@twoside
16714     \else
16715       \let\R@@page\rot@LR
16716     \fi
16717     \ifthenelse{\isodd{\R@@page}}{%
16718       \if@rot@twoside
16719         \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16720       \fi
16721       \vfill
16722       \@@line{%
16723         \hskip\rotFPtop
16724         \rotatebox{90}{\box\rot@float@box}%
16725         \hskip\rotFPbot
16726       }%
16727     }{%
16728       \if@rot@twoside
16729         \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16730       \fi
16731       \@@line{%
16732         \hskip\rotFPbot
16733         \rotatebox{-90}{\box\rot@float@box}%
16734         \hskip\rotFPtop
16735       }%
16736       \vfill
16737     }%
16738     \rot@message{\the\rot@mess@toks}
16739   }%
16740   \end@float
16741 }

```



```

16742 \let\endsidewaysfigure\end@rotfloat
16743 \let\endsidewaystable\end@rotfloat
16744 \def\end@rotdblfloat{%
16745   \end{minipage}\end{lrbox}%
16746   \stepcounter{r@tfl@t}%
16747   \rot@label{RF\ther@tfl@t}%
16748   \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16749   \edef\@tempa{Adding sideways \c@type\space on page \R@@page\space}
16750   \rot@mess@toks\expandafter{\@tempa}
16751   \@tempdima\ht\rot@float@box
16752   \advance\@tempdima by \dp\rot@float@box
16753   \wd\rot@float@box\z@
16754   \ht\rot@float@box\z@
16755   \dp\rot@float@box\z@
16756   \vboxL to \textheight{%
16757     \setkeys{Grot}{units=360}%
16758     \if@rot@twoside
16759     \else
16760       \let\R@@page\rot@LR
16761     \fi
16762     \ifthenelse{\isodd{\R@@page}}{%
16763       \ifrot@messages
16764       \if@rot@twoside
16765       \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16766 \fi
16767       \fi
16768       \vfill
16769       \@@line{%
16770         \hskip\rotFPtop
16771         \rotatebox{90}{\box\rot@float@box}%
16772         \hskip\rotFPbot
16773       }%
16774     }{%
16775       \ifrot@messages
16776       \if@rot@twoside
16777       \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16778 \fi
16779       \fi%
16780       \@@line{%
16781         \hskip\rotFPbot
16782         \rotatebox{-90}{\box\rot@float@box}%
16783         \hskip\rotFPtop
16784       }%
16785       \vfill
16786     }%
16787     \rot@message{\the\rot@mess@toks}%
16788   }%
16789   \end@dblfloat
16790 }
16791 \def\turn#1{%

```



```

16792 \Grot@setangle{#1}%
16793 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16794 \def\endturn{%
16795 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16796 \unskip\color@endbox
16797 \Grot@x\z@
16798 \Grot@y\z@
16799 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16800 }
16801 \def\rotate#1{%
16802 \Grot@setangle{#1}%
16803 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16804 \def\endrotate{%
16805 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16806 \unskip\color@endbox
16807 \Grot@x\z@
16808 \Grot@y\z@
16809 \wd0\z@\dp0\z@\ht0\z@
16810 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16811 }
16812 \def\turnbox#1#2{%
16813 \Grot@setangle{#1}%
16814 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
16815 \Grot@x\z@\Grot@y\z@
16816 \wd0\z@\dp0\z@\ht0\z@
16817 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16818 }
16819 \def\sideways{%
16820 \Grot@setangle{90}%
16821 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16822 \def\endsideways{%
16823 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16824 \unskip\color@endbox
16825 \Grot@x\z@
16826 \Grot@y\z@
16827 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16828 }

```

## 105 File `scrartcl-xetex-bidi.def`

```

16829 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16830 \newcommand{\scr@saved@LTRfootnotetext}{}
16831 \newcommand{\scr@saved@RTLfootnotetext}{}
16832 \let\scr@saved@footnotetext\@footnotetext
16833 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16834 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16835 \renewcommand{\@footnotetext}[1]{%
16836 \scr@saved@footnotetext{#1}%
16837 \csname FN@mf@prepare\endcsname
16838 }

```



```

16839 \renewcommand{\@LTRfootnotetext}[1]{%
16840   \scr@saved@LTRfootnotetext{#1}%
16841   \csname FN@mf@prepare\endcsname
16842 }
16843 \renewcommand{\@RTLfootnotetext}[1]{%
16844   \scr@saved@RTLfootnotetext{#1}%
16845   \csname FN@mf@prepare\endcsname
16846 }
16847 \renewcommand\deffootnote[4][ ]{%
16848   \long\def\@makefnmark##1{%
16849     \setlength{\@tempdimc}{#3}%
16850     \def\@tempa{#1}\ifx\@tempa\@empty
16851       \@setpar{\@par
16852         \@tempdima = \hsize
16853         \addtolength{\@tempdima}{-#2}%
16854         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16855     \else
16856       \addtolength{\@tempdimc}{#2}%
16857       \addtolength{\@tempdimc}{-#1}%
16858       \@setpar{\@par
16859         \@tempdima = \hsize
16860         \addtolength{\@tempdima}{-#1}%
16861         \@tempdimb = \hsize
16862         \addtolength{\@tempdimb}{-#2}%
16863         \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb\fi}%
16864     }%
16865     \fi
16866     \par
16867     \parindent\@tempdimc\noindent
16868     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16869   }%
16870   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16871 }
16872 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16873 \renewcommand*\left@footnoterule{%
16874   \normalsize\ftn@rule@test@values
16875   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16876   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16877   {\usekomafont{footnoterule}{%
16878     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16879   \kern 2.6\p@}
16880 \renewcommand*\right@footnoterule{%
16881   \normalsize\ftn@rule@test@values
16882   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16883   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16884   {\usekomafont{footnoterule}{%
16885     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16886     \kern 2.6\p@}
16887 \renewcommand*\maketitle[1][1]{%
16888   \if@titlepage

```



```

16889 \begin{titlepage}
16890 \setcounter{page}{%
16891 #1%
16892 }%
16893 \let\footnotesize\small
16894 \let\right@footnoterule\relax
16895 \let\left@footnoterule\relax
16896 \let\textwidth@footnoterule\relax
16897 \let\footnote\thanks
16898 \let\LTRfootnote\LTRthanks
16899 \let\RTLfootnote\RTLthanks
16900 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16901 \let\@oldmakefnmark\@makefnmark
16902 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
16903 \ifx\@extratitle\@empty \else
16904 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16905 \thispagestyle{empty}%
16906 \fi
16907 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16908 \ifx\@titlehead\@empty \else
16909 \begin{minipage}[t]{\textwidth}%
16910 \@titlehead
16911 \end{minipage}\par
16912 \fi
16913 \null\vfill
16914 \begin{center}
16915 \ifx\@subject\@empty \else
16916 {\subject@font \@subject \par}%
16917 \vskip 3em
16918 \fi
16919 {\titlefont\huge \@title\par}%
16920 \vskip 1em
16921 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16922 \vskip 2em
16923 {\Large \lineskip 0.75em
16924 \begin{tabular}[t]{c}
16925 \@author
16926 \end{tabular}\par
16927 }%
16928 \vskip 1.5em
16929 {\Large \@date \par}%
16930 \vskip \z@ \@plus3fill
16931 {\Large \@publishers \par}%
16932 \vskip 3em
16933 \end{center}\par
16934 \@thanks
16935 \vfill\null
16936 \if@twoside\next@tpage
16937 \begin{minipage}[t]{\textwidth}
16938 \@uppertitleback

```



```

16939         \end{minipage}\par
16940         \vfill
16941         \begin{minipage}[b]{\textwidth}
16942             \@lowertitleback
16943         \end{minipage}
16944     \fi
16945     \ifx\@dedication\@empty \else
16946         \next@tpage\null\vfill
16947         {\centering \Large \@dedication \par}%
16948         \vskip \z@ \@plus3fill
16949         \if@twoside \next@tpage\cleardoubleemptypage \fi
16950     \fi
16951 \end{titlepage}
16952 \else
16953     \par
16954     \@tempcnta=
16955     #1%
16956     \relax\ifnum\@tempcnta=1\else
16957         \ClassWarning{\KOMAClassName}{%
16958             Optional argument of \string\maketitle\space ignored
16959             at\MessageBreak
16960             notitlepage-mode%
16961         }%
16962     \fi
16963     \begingroup
16964         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16965         \let\@oldmakefnmark\@makefnmark
16966         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16967         \if@twocolumn
16968             \ifnum \col@number=\@ne
16969                 \@maketitle
16970             \else
16971                 \twocolumn[\@maketitle]%
16972             \fi
16973         \else
16974             \newpage
16975             \global\@topnum\z@
16976             \@maketitle
16977         \fi
16978         \thispagestyle{\titlepagestyle}\@thanks
16979     \endgroup
16980 \fi
16981 \setcounter{footnote}{0}%
16982 \let\thanks\relax
16983 \let\LTRthanks\relax
16984 \let\RTLthanks\relax
16985 \let\maketitle\relax
16986 \let\@maketitle\relax
16987 \global\let\@thanks\@empty
16988 \global\let\@author\@empty

```



```

16989 \global\let\@date\@empty
16990 \global\let\@title\@empty
16991 \global\let\@subtitle\@empty
16992 \global\let\@extratitle\@empty
16993 \global\let\@titlehead\@empty
16994 \global\let\@subject\@empty
16995 \global\let\@publishers\@empty
16996 \global\let\@uppertitleback\@empty
16997 \global\let\@lowertitleback\@empty
16998 \global\let\@dedication\@empty
16999 \global\let\author\relax
17000 \global\let\title\relax
17001 \global\let\extratitle\relax
17002 \global\let\titlehead\relax
17003 \global\let\subject\relax
17004 \global\let\publishers\relax
17005 \global\let\uppertitleback\relax
17006 \global\let\lowertitleback\relax
17007 \global\let\dedication\relax
17008 \global\let\date\relax
17009 \global\let\and\relax
17010 }%
17011 \renewcommand*{\@maketitle}{%
17012 \clearpage
17013 \let\footnote\thanks
17014 \let\LTRfootnote\LTRthanks
17015 \let\RTLfootnote\RTLthanks
17016 \ifx\@extratitle\@empty \else
17017 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17018 \fi
17019 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17020 \ifx\@titlehead\@empty \else
17021 \begin{minipage}[t]{\textwidth}
17022 \@titlehead
17023 \end{minipage}\par
17024 \fi
17025 \null
17026 \vskip 2em%
17027 \begin{center}%
17028 \ifx\@subject\@empty \else
17029 {\subject@font \@subject \par}
17030 \vskip 1.5em
17031 \fi
17032 {\titlefont\huge \@title \par}%
17033 \vskip .5em
17034 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17035 \vskip 1em
17036 {\Large
17037 \lineskip .5em%
17038 \begin{tabular}[t]{c}

```



```

17039     \@author
17040     \end{tabular}\par
17041   }%
17042   \vskip 1em%
17043   {\Large \@date \par}%
17044   \vskip \z@ \@plus 1em
17045   {\Large \@publishers \par}
17046   \ifx\@dedication\@empty \else
17047     \vskip 2em
17048     {\Large \@dedication \par}
17049   \fi
17050 \end{center}%
17051 \par
17052 \vskip 2em
17053 }%
17054 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17055 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
17056 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17057 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
17058 \renewcommand*\thesubsubsection{%-
17059   \thesubsection\@SepMark\@arabic\c@subsubsection
17060 }
17061 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17062 \renewcommand*\thesubparagraph{%-
17063   \theparagraph\@SepMark\@arabic\c@subparagraph
17064 }
17065 \renewenvironment{thebibliography}[1]{%-
17066   \if@bib@break@
17067     \bib@beginhook
17068   \else
17069     \bib@heading
17070     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17071       \noindent\bibpreamble\par\nobreak
17072     \fi\fi
17073     \bib@beginhook
17074     \bib@before@hook
17075   \fi
17076   \renewcommand{\BreakBibliography}[1]{%-
17077     \@bib@break
17078     \end{thebibliography}%
17079     \begingroup ##1\endgroup
17080     \begin{thebibliography}{#1}
17081   }%
17082   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17083   \bidi@thebibliography@font@hook%
17084   \list{%-
17085     \@biblabel{\@arabic\c@enumiv}%
17086   }{%-
17087     \settowidth\labelwidth{\@biblabel{#1}}%
17088     \leftmargin\labelwidth

```





```

17089 \advance\leftmargin\labelsep
17090 \@openbib@code
17091 \if@bib@break@
17092   \edef\@tempa{%
17093     \noexpand\usecounter{enumiv}%
17094     \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17095   }\@tempa
17096   \no@bib@break
17097   \else
17098     \usecounter{enumiv}%
17099   \fi
17100   \let\p@enumiv\@empty
17101   \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17102 }%
17103 \sloppy\clubpenalty4000 \widowpenalty4000
17104 \sfcode`\.\=@m
17105 }{%
17106 \if@bib@break@
17107   \def\@noitemerr{%
17108     \@latex@warning{%
17109       \string\BreakBibliography\space at begin of `thebibliography'
17110       environment\MessageBreak
17111       or following \string\BreakBibliography}%
17112   }%
17113   \else
17114     \def\@noitemerr{%
17115       \@latex@warning{%
17116         Empty `thebibliography' environment or
17117         \string\BreakBibliography\MessageBreak
17118         before end of `thebibliography' environment}%
17119     }%
17120   \fi
17121   \endlist
17122   \if@bib@break@
17123   \else
17124     \bib@after@hook
17125     \let\bib@before@hook\@empty
17126     \let\bib@after@hook\@empty
17127   \fi
17128   \bib@endhook
17129 }
17130 \renewcommand*\left@footnoterule{%
17131   \kern-3\p@
17132   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17133   \hrule\@width.4\columnwidth
17134   \kern 2.6\p@}
17135 \renewcommand*\right@footnoterule{%
17136   \kern-3\p@
17137   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17138   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }

```



```

17139 \kern2.6\p@}
17140 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
17141 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
17142 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
17143 \renewcommand\marginline[1]{%
17144 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17145 }
17146 \renewcommand{\@makecaption}[3]{%
17147 \cap@margin
17148 \ifonelinecaptions
17149 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17150 \let\scr@tmp@footnotetext=\@footnotetext
17151 \let\@footnotetext=\@gobble
17152 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17153 \let\@LTRfootnotetext=\@gobble
17154 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17155 \let\@RTLfootnotetext=\@gobble
17156 \sbox\@tempboxa{%
17157 {\capfont{\strut\ignorespaces
17158 #1{\caplabelfont{#2\captionformat}}}%
17159 #3\unskip\strut}}%
17160 }%
17161 \let\@footnotetext=\scr@tmp@footnotetext
17162 \let\scr@tmp@footnotetext=\undefined
17163 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17164 \let\scr@tmp@LTRfootnotetext=\undefined
17165 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17166 \let\scr@tmp@RTLfootnotetext=\undefined
17167 \setcounter{footnote}{\@tempcntb}%
17168 \setcounter{mpfootnote}{\@tempcnta}%
17169 \else
17170 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17171 \fi
17172 \begingroup%
17173 \setlength{\@tempdima}{\cap@width}%
17174 \ifdim \wd\@tempboxa >\@tempdima
17175 \hb@xt@\hsize{%
17176 \setbox\@tempboxa\vbox{\hsize=\cap@width
17177 \ifdofullc@p
17178 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17179 #1{\caplabelfont{#2\captionformat}}}}}%
17180 {#3\unskip\strut\par}}}%
17181 \else%
17182 \ifdim\cap@indent<\z@
17183 {\capfont{\strut\ignorespaces
17184 #1{\caplabelfont{#2\captionformat\par}}}%
17185 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17186 \else%
17187 \if@capbreak
17188 {\capfont{\strut\ignorespaces

```



```

17189         #1{{\caplabelfont{#2\captionformat\par}}}%
17190         \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17191     \else
17192         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
17193         {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17194         {\caplabelfont{#2\captionformat}}}}{#3\unskip\strut\par}}}%
17195     \fi
17196 \fi
17197 \fi
17198 }%
17199 \setlength{\@tempdima}{\ht\@tempboxa}%
17200 \addtolength{\@tempdima}{\dp\@tempboxa}%
17201 \addtolength{\@tempdima}{-\ht\strutbox}%
17202 \ht\@tempboxa\ht\strutbox
17203 \dp\@tempboxa\@tempdima
17204 \strut\cap@left
17205 \box\@tempboxa
17206 \cap@right\strut
17207 }%
17208 \else
17209 \global \@minipagefalse
17210 \sbox\@tempboxa{%
17211     {\capfont{\scr@smashdp{\strut\ignorespaces
17212     #1{{\caplabelfont{#2\captionformat}}}}%
17213     #3}}}%
17214 }%
17215 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\ca
17216 \fi
17217 \endgroup
17218 }
17219 \renewcommand{\@makecaption}[2]{%
17220 \if@captionabove
17221     \vskip\belowcaptionskip
17222 \else
17223     \vskip\abovecaptionskip
17224 \fi
17225 \@makecaption\@firstofone{#1}{#2}%
17226 \if@captionabove
17227     \vskip\abovecaptionskip
17228 \else
17229     \vskip\belowcaptionskip
17230 \fi
17231 }
17232 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17233 \ifpackageloaded{caption2}{\@komalongtablefalse
17234 \scr@caption@before@longtable@warning{caption2}%
17235 }{}}%
17236 \if@komalongtable
17237 \renewcommand{\LT@makecaption}[3]{%
17238     \noalign{%

```



```

17239     \if@captionabove
17240         \vskip\belowcaptionskip
17241     \else
17242         \vskip\abovecaptionskip
17243     \fi
17244 }%
17245 \LT@mcol\LT@cols c{%
17246     \hbox to\z@{\hss\parbox[t]\linewidth{%
17247         \@makecaption{#1}{#2}{#3}%
17248     \endgraf
17249     \if@captionabove
17250         \vskip\abovecaptionskip
17251     \else
17252         \vskip\belowcaptionskip
17253     \fi
17254 }%
17255 \hss
17256 }%
17257 }%
17258 }%
17259 \renewcommand*{\scr@LT@array}{}%
17260 \let\scr@LT@array=\LT@array
17261 \renewcommand*{\LT@array}{%
17262     \let\scr@caption=\LT@caption
17263     \def\captionabove{\noalign{\global\@captionabovetrue}%
17264         \scr@caption}%
17265     \def\captionbelow{\noalign{\global\@captionabovefalse}%
17266         \scr@caption}%
17267     \if@tablecaptionabove
17268         \let\LT@caption=\captionabove
17269     \else
17270         \let\LT@caption=\captionbelow
17271     \fi
17272     \scr@LT@array
17273 }%
17274 \ClassInfo{\KOMAClassName}{%
17275     longtable captions redefined%
17276 }%
17277 \fi
17278 }
17279
17280 \CloneTOCEntryStyle{tocline}{part}
17281 \TOCEntryStyleStartInitCode{part}{%
17282     \expandafter\renewcommand%
17283     \csname scr@tso@#1@linefill\endcsname{\hfill}%
17284     \expandafter\renewcommand%
17285     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17286     \expandafter\renewcommand%
17287     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17288         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%

```



```

17289 \expandafter\renewcommand\expandafter*%
17290 \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17291 }
17292
17293 \CloneTOCEntryStyle{tocline}{section}
17294 \TOCEntryStyleStartInitCode{section}{%
17295 \expandafter\renewcommand%
17296 \csname scr@tso@#1@linefill\endcsname{%
17297 \if@sectionentrywithdots
17298 \TOCLineLeaderFill\relax
17299 \else
17300 \hfill
17301 \fi
17302 }%
17303 % F^^fcr die Eintr^^e4ge die Schrift von Element sectionentry verwenden.
17304 \expandafter\renewcommand%
17305 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
17306 \expandafter\renewcommand%
17307 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se
17308 \expandafter\renewcommand\expandafter*%
17309 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17310 }
17311
17312 \CloneTOCEntryStyle{tocline}{subsection}
17313 \TOCEntryStyleStartInitCode{subsection}{%
17314 \expandafter\renewcommand%
17315 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17316 }
17317
17318 \CloneTOCEntryStyle{subsection}{default}
17319
17320 \DeclareSectionCommand[%
17321 style=part,%
17322 level=\z@,%
17323 tocstyle=part,%
17324 toclevel=\m@ne,%
17325 tocindent=\z@,%
17326 tocnumwidth=2em%
17327 ]{part}
17328 \DeclareSectionCommand[%
17329 style=section,%
17330 level=1,%
17331 indent=\z@,%
17332 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
17333 afterskip=2.3ex \@plus .2ex,%
17334 tocstyle=section,%
17335 tocindent=0pt,%
17336 tocnumwidth=1.5em%
17337 ]{section}
17338 \DeclareSectionCommand[%

```



```

17339 style=section,%
17340 level=2,%
17341 indent=\z@,%
17342 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17343 afterskip=1.5ex \@plus .2ex,%
17344 tocstyle=subsection,%
17345 tocindent=1.5em,%
17346 tocnumwidth=2.3em%
17347 ]{subsection}
17348 \DeclareSectionCommand[%
17349 style=section,%
17350 level=3,%
17351 indent=\z@,%
17352 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17353 afterskip=1.5ex \@plus .2ex,%
17354 tocstyle=subsection,%
17355 tocindent=3.8em,%
17356 tocnumwidth=3.2em%
17357 ]{subsubsection}
17358 \DeclareSectionCommand[%
17359 style=section,%
17360 level=4,%
17361 indent=\z@,%
17362 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17363 afterskip=-1em,%
17364 tocstyle=subsection,%
17365 tocindent=7.0em,%
17366 tocnumwidth=4.1em%
17367 ]{paragraph}
17368 \DeclareSectionCommand[%
17369 style=section,%
17370 level=5,%
17371 indent=\scr@parindent,%
17372 beforekip=3.25ex \@plus 1ex \@minus .2ex,%
17373 afterskip=-1em,%
17374 tocstyle=subsection,%
17375 tocindent=10em,%
17376 tocnumwidth=5em%
17377 ]{subparagraph}

```

## 106 File scrbook-xetex-bidi.def

```

17378 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for X
17379 \newcommand{\scr@saved@LTRfootnotetext}{}
17380 \newcommand{\scr@saved@RTLfootnotetext}{}
17381 \let\scr@saved@footnotetext\@footnotetext
17382 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17383 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17384 \renewcommand{\@footnotetext}[1]{%
17385 \scr@saved@footnotetext{#1}%

```



```

17386 \csname FN@mf@prepare\endcsname
17387 }
17388 \renewcommand{\@LTRfootnotetext}[1]{%
17389 \scr@saved@LTRfootnotetext{#1}%
17390 \csname FN@mf@prepare\endcsname
17391 }
17392 \renewcommand{\@RTLfootnotetext}[1]{%
17393 \scr@saved@RTLfootnotetext{#1}%
17394 \csname FN@mf@prepare\endcsname
17395 }
17396 \renewcommand\deffootnote[4][ ]{%
17397 \long\def\@makefnmark##1{%
17398 \setlength{\@tempdimc}{#3}%
17399 \def\@tempa{#1}\ifx\@tempa\@empty
17400 \setpar{\@par
17401 \@tempdima = \hspace
17402 \addtolength{\@tempdima}{-#2}%
17403 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17404 \else
17405 \addtolength{\@tempdimc}{#2}%
17406 \addtolength{\@tempdimc}{-#1}%
17407 \setpar{\@par
17408 \@tempdima = \hspace
17409 \addtolength{\@tempdima}{-#1}%
17410 \@tempdimb = \hspace
17411 \addtolength{\@tempdimb}{-#2}%
17412 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb}%
17413 }%
17414 \fi
17415 \par
17416 \parindent\@tempdimc\noindent
17417 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17418 }%
17419 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17420 }
17421 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17422 \renewcommand*\left@footnoterule{%
17423 \normalsize\ftn@rule@test@values
17424 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17425 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17426 {\usekomafont{footnoterule}{%
17427 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17428 \kern 2.6\p@}
17429 \renewcommand*\right@footnoterule{%
17430 \normalsize\ftn@rule@test@values
17431 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17432 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17433 {\usekomafont{footnoterule}{%
17434 \hbox to \columnwidth{\hspace \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17435 \kern 2.6\p@}

```



```

17436 \renewcommand*\maketitle[1][1]{%
17437   \if@titlepage
17438     \begin{titlepage}
17439       \setcounter{page}{%
17440         #1%
17441       }%
17442       \let\footnotesize\small
17443       \let\right@footnoterule\relax
17444       \let\left@footnoterule\relax
17445       \let\textwidth@footnoterule\relax
17446       \let\footnote\thanks
17447       \let\LTRfootnote\LTRthanks
17448       \let\RTLfootnote\RTLthanks
17449       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17450       \let\@oldmakefnmark\@makefnmark
17451       \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
17452       \ifx\@extratitle\@empty \else
17453         \noindent\@extratitle\next@tpage\cleardoubleemptypage
17454         \thispagestyle{empty}%
17455       \fi
17456       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17457       \ifx\@titlehead\@empty \else
17458         \begin{minipage}[t]{\textwidth}%
17459           \@titlehead
17460         \end{minipage}\par
17461       \fi
17462       \null\vfill
17463       \begin{center}
17464         \ifx\@subject\@empty \else
17465           {\subject@font \@subject \par}%
17466           \vskip 3em
17467         \fi
17468         {\titlefont\huge \@title\par}%
17469         \vskip 1em
17470         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17471         \vskip 2em
17472         {\Large \lineskip 0.75em
17473           \begin{tabular}[t]{c}
17474             \@author
17475           \end{tabular}\par
17476         }%
17477         \vskip 1.5em
17478         {\Large \@date \par}%
17479         \vskip \z@ \@plus3fill
17480         {\Large \@publishers \par}%
17481         \vskip 3em
17482       \end{center}\par
17483       \@thanks
17484       \vfill\null
17485     \if@twoside\next@tpage

```





```

17486     \begin{minipage}[t]{\textwidth}
17487         \@uppertitleback
17488     \end{minipage}\par
17489     \vfill
17490     \begin{minipage}[b]{\textwidth}
17491         \@lowertitleback
17492     \end{minipage}
17493 \fi
17494 \ifx\@dedication\@empty \else
17495     \next@tpage\null\vfill
17496     {\centering \Large \@dedication \par}%
17497     \vskip \z@ \@plus3fill
17498     \if@twoside \next@tpage\cleardoubleemptypage \fi
17499 \fi
17500 \end{titlepage}
17501 \else
17502     \par
17503     \@tempcnta=%
17504     #1%
17505     \relax\ifnum\@tempcnta=1\else
17506         \ClassWarning{\KOMAClassName}{%
17507             Optional argument of \string\maketitle\space ignored
17508             at\MessageBreak
17509             notitlepage-mode%
17510         }%
17511     \fi
17512     \begingroup
17513         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17514         \let\@oldmakefnmark\@makefnmark
17515         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
17516         \if@twocolumn
17517             \ifnum \col@number=\@one
17518                 \@maketitle
17519             \else
17520                 \twocolumn[\@maketitle]%
17521             \fi
17522         \else
17523             \newpage
17524             \global\@topnum\z@
17525             \@maketitle
17526         \fi
17527         \thispagestyle{\titlepagestyle}\@thanks
17528     \endgroup
17529 \fi
17530 \setcounter{footnote}{0}%
17531 \let\thanks\relax
17532 \let\LTRthanks\relax
17533 \let\RTLthanks\relax
17534 \let\maketitle\relax
17535 \let\@maketitle\relax

```



```

17536 \global\let\@thanks\@empty
17537 \global\let\@author\@empty
17538 \global\let\@date\@empty
17539 \global\let\@title\@empty
17540 \global\let\@subtitle\@empty
17541 \global\let\@extratitle\@empty
17542 \global\let\@titlehead\@empty
17543 \global\let\@subject\@empty
17544 \global\let\@publishers\@empty
17545 \global\let\@uppertitleback\@empty
17546 \global\let\@lowertitleback\@empty
17547 \global\let\@dedication\@empty
17548 \global\let\author\relax
17549 \global\let\title\relax
17550 \global\let\extratitle\relax
17551 \global\let\titlehead\relax
17552 \global\let\subject\relax
17553 \global\let\publishers\relax
17554 \global\let\uppertitleback\relax
17555 \global\let\lowertitleback\relax
17556 \global\let\dedication\relax
17557 \global\let\date\relax
17558 \global\let\and\relax
17559 }%
17560 \renewcommand*{\@maketitle}{%
17561   \clearpage
17562   \let\footnote\thanks
17563   \let\LTRfootnote\LTRthanks
17564   \let\RTLfootnote\RTLthanks
17565   \ifx\@extratitle\@empty \else
17566     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17567   \fi
17568   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17569   \ifx\@titlehead\@empty \else
17570     \begin{minipage}[t]{\textwidth}
17571       \@titlehead
17572     \end{minipage}\par
17573   \fi
17574   \null
17575   \vskip 2em%
17576   \begin{center}%
17577     \ifx\@subject\@empty \else
17578       {\subject@font \@subject \par}
17579     \vskip 1.5em
17580     \fi
17581     {\titlefont\huge \@title \par}%
17582     \vskip .5em
17583     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17584     \vskip 1em
17585     {\Large

```



```

17586     \lineskip .5em%
17587     \begin{tabular}[t]{c}
17588         \@author
17589     \end{tabular}\par
17590 }%
17591 \vskip 1em%
17592 {\Large \@date \par}%
17593 \vskip \z@ \@plus 1em
17594 {\Large \@publishers \par}
17595 \ifx\@dedication\@empty \else
17596     \vskip 2em
17597     {\Large \@dedication \par}
17598     \fi
17599 \end{center}%
17600 \par
17601 \vskip 2em
17602 }%
17603 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17604 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17605 \renewcommand*\thesection{%
17606     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17607     \if@mainmatter\thechapter\@SepMark\fi
17608     \else
17609     \thechapter\@SepMark%
17610     \fi
17611     \@arabic\c@section
17612 }
17613 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
17614 \renewcommand*\thesubsubsection{-%
17615     \thesubsection\@SepMark\@arabic\c@subsubsection
17616 }
17617 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17618 \renewcommand*\thesubparagraph{-%
17619     \theparagraph\@SepMark\@arabic\c@subparagraph
17620 }
17621 \renewcommand*\thefigure{%
17622     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17623     \if@mainmatter\thechapter\@SepMark\fi
17624     \else
17625     \thechapter\@SepMark%
17626     \fi
17627     \@arabic\c@figure
17628 }
17629 \renewcommand*\thetable{%
17630     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17631     \if@mainmatter\thechapter\@SepMark\fi
17632     \else
17633     \thechapter\@SepMark%
17634     \fi
17635     \@arabic\c@table

```



```

17636 }
17637 \renewcommand*\theequation{%
17638   \ifnum \scr@compatibility>\@nameuse{scr@v02.97d}\relax
17639     \if@mainmatter\thechapter\@SepMark\fi
17640   \else
17641     \thechapter\@SepMark%
17642   \fi
17643   \@arabic\c@equation
17644 }
17645 \renewenvironment{thebibliography}[1]{%
17646   \if@bib@break@
17647     \bib@beginhook
17648   \else
17649     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17650       \setchapterpreamble{\bibpreamble}%
17651     \fi\fi
17652     \bib@heading
17653     \bib@beginhook
17654     \bib@before@hook
17655   \fi
17656   \renewcommand{\BreakBibliography}[1]{%
17657     \@bib@break
17658     \end{thebibliography}%
17659     \begingroup ##1\endgroup
17660     \begin{thebibliography}{#1}
17661   }%
17662   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17663   \bidi@thebibliography@font@hook%
17664   \list{%
17665     \@biblabel{\@arabic\c@enumiv}%
17666   }{%
17667     \settowidth\labelwidth{\@biblabel{#1}}%
17668     \leftmargin\labelwidth
17669     \advance\leftmargin\labelsep
17670     \@openbib@code
17671     \if@bib@break@
17672       \edef\@tempa{%
17673         \noexpand\usecounter{enumiv}%
17674         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17675       }\@tempa
17676       \no@bib@break
17677     \else
17678       \usecounter{enumiv}%
17679     \fi
17680     \let\p@enumiv\@empty
17681     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17682   }%
17683   \sloppy\clubpenalty4000 \widowpenalty4000
17684   \sfcode\.\@m
17685 }{%

```



```

17686 \if@bib@break@
17687   \def\@noitemerr{%
17688     \@latex@warning{%
17689       \string\BreakBibliography\space at begin of `thebibliography'
17690       environment\MessageBreak
17691       or following \string\BreakBibliography}%
17692   }%
17693 \else
17694   \def\@noitemerr{%
17695     \@latex@warning{%
17696       Empty `thebibliography' environment or
17697       \string\BreakBibliography\MessageBreak
17698       before end of `thebibliography' environment}%
17699   }%
17700 \fi
17701 \endlist
17702 \if@bib@break@
17703 \else
17704   \bib@after@hook
17705   \let\bib@before@hook\@empty
17706   \let\bib@after@hook\@empty
17707 \fi
17708 \bib@endhook
17709 }
17710 \renewcommand*\left@footnoterule{%
17711   \kern-3\p@
17712   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17713   \hrule\@width.4\columnwidth
17714   \kern 2.6\p@}
17715 \renewcommand*\right@footnoterule{%
17716   \kern-3\p@
17717   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17718   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17719   \kern2.6\p@}
17720 \renewcommand*{\raggeddictum}{\ifRTL\raggedright\else\raggedleft\fi}
17721 \renewcommand*{\raggeddictumtext}{\ifRTL\raggedleft\else\raggedright\fi}
17722 \renewcommand*{\raggeddictumauthor}{\ifRTL\raggedright\else\raggedleft\fi}
17723 \renewcommand\marginline[1]{%
17724   \marginpar[\ifRTL\raggedright\else\raggedleft\fi{#1}]{\ifRTL\raggedleft\else\raggedright\fi}
17725 }
17726 \renewcommand{\@makecaption}[3]{%
17727   \cap@margin
17728   \ifonelinecaptions
17729     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17730     \let\scr@tmp@footnotetext=\@footnotetext
17731     \let\@footnotetext=\@gobble
17732     \let\scr@tmp@LTRfootnotetext=@LTRfootnotetext
17733     \let@LTRfootnotetext=@gobble
17734     \let\scr@tmp@RTLfootnotetext=@RTLfootnotetext
17735     \let@RTLfootnotetext=@gobble

```



```

17736 \sbox\@tempboxa{%
17737   {\capfont{\strut\ignorespaces
17738     #1{\caplabelfont{#2\captionformat}}}%
17739     #3\unskip\strut}}%
17740 }%
17741 \let\@footnotetext=\scr@tmp@footnotetext
17742 \let\scr@tmp@footnotetext=\undefined
17743 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17744 \let\scr@tmp@LTRfootnotetext=\undefined
17745 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17746 \let\scr@tmp@RTLfootnotetext=\undefined
17747 \setcounter{footnote}{\@tempcntb}%
17748 \setcounter{mpfootnote}{\@tempcnta}%
17749 \else
17750 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17751 \fi
17752 \begingroup%
17753 \setlength{\@tempdima}{\cap@width}%
17754 \ifdim \wd\@tempboxa >\@tempdima
17755 \hb@xt@\hsize{%
17756   \setbox\@tempboxa\vbox{\hsize=\cap@width
17757     \ifdoofullc@p
17758       {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17759         #1{\caplabelfont{#2\captionformat}}}}}%
17760         #3\unskip\strut\par}}}%
17761     \else%
17762       \ifdim\cap@indent<\z@
17763         {\capfont{\strut\ignorespaces
17764           #1{\caplabelfont{#2\captionformat\par}}}%
17765           \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}}%
17766       \else%
17767         \if@capbreak
17768           {\capfont{\strut\ignorespaces
17769             #1{\caplabelfont{#2\captionformat\par}}}%
17770             \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
17771         \else
17772           {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17773             {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17774               {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
17775         \fi
17776       \fi
17777     \fi
17778   }%
17779   \setlength{\@tempdima}{\ht\@tempboxa}%
17780   \addtolength{\@tempdima}{\dp\@tempboxa}%
17781   \addtolength{\@tempdima}{-\ht\strutbox}%
17782   \ht\@tempboxa\ht\strutbox
17783   \dp\@tempboxa\@tempdima
17784   \strut\cap@left
17785   \box\@tempboxa

```



```

17786     \cap@right\strut
17787     }%
17788   \else
17789     \global \@minipagefalse
17790     \sbox\@tempboxa{%
17791       {\capfont{\scr@smashdp{\strut\ignorespaces
17792         #1{\caplabelfont{#2\captionformat}}}}%
17793         #3}}%
17794     }%
17795     {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\c
17796     \fi
17797   \endgroup
17798 }
17799 \renewcommand{\@makecaption}[2]{%
17800   \if@captionabove
17801     \vskip\belowcaptionskip
17802   \else
17803     \vskip\abovecaptionskip
17804   \fi
17805   \@makecaption\@firstofone{#1}{#2}%
17806   \if@captionabove
17807     \vskip\abovecaptionskip
17808   \else
17809     \vskip\belowcaptionskip
17810   \fi
17811 }
17812 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17813   \@ifpackageloaded{caption2}{\@komalongtablefalse
17814     \scr@caption@before@longtable@warning{caption2}%
17815   }{}%
17816   \if@komalongtable
17817     \renewcommand{\LT@makecaption}[3]{%
17818       \noalign{%
17819         \if@captionabove
17820           \vskip\belowcaptionskip
17821         \else
17822           \vskip\abovecaptionskip
17823         \fi
17824       }%
17825       \LT@mcol\LT@cols c{%
17826         \hbox to\z@\{\hss\parbox[t]{\linewidth{%
17827           \@makecaption{#1}{#2}{#3}%
17828         \endgraf
17829         \if@captionabove
17830           \vskip\abovecaptionskip
17831         \else
17832           \vskip\belowcaptionskip
17833         \fi
17834       }%
17835       \hss

```



```

17836     }%
17837     }%
17838   }%
17839   \renewcommand*{\scr@LT@array}{}%
17840   \let\scr@LT@array=\LT@array
17841   \renewcommand*{\LT@array}{%
17842     \let\scr@caption=\LT@caption
17843     \def\captionabove{\noalign{\global\@captionabovetrue}%
17844       \scr@caption}%
17845     \def\captionbelow{\noalign{\global\@captionabovefalse}%
17846       \scr@caption}%
17847     \if@tablecaptionabove
17848       \let\LT@caption=\captionabove
17849     \else
17850       \let\LT@caption=\captionbelow
17851     \fi
17852     \scr@LT@array
17853   }%
17854   \ClassInfo{\KOMAClassName}{%
17855     longtable captions redefined%
17856   }%
17857 \fi
17858 }
17859
17860 \CloneTOCEntryStyle{tocline}{part}
17861 \TOCEntryStyleStartInitCode{part}{%
17862   \expandafter\renewcommand%
17863   \csname scr@tso@#1@linefill\endcsname{\hfill}%
17864   \expandafter\renewcommand%
17865   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17866   \expandafter\renewcommand%
17867   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17868     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17869   \expandafter\renewcommand\expandafter*%
17870   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
17871 }
17872
17873 \CloneTOCEntryStyle{tocline}{chapter}
17874 \TOCEntryStyleStartInitCode{chapter}{%
17875   \expandafter\renewcommand%
17876   \csname scr@tso@#1@linefill\endcsname{%
17877     \if@chapterentrywithdots
17878       \TOCLineLeaderFill\relax
17879     \else
17880       \hfill
17881     \fi
17882   }%
17883   \expandafter\renewcommand%
17884   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17885   \expandafter\renewcommand%

```





```

17886 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17887   \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17888 \expandafter\renewcommand\expandafter*%
17889 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17890 }
17891
17892 \CloneTOCEntryStyle{tocline}{section}
17893 \TOCEntryStyleStartInitCode{section}{%
17894   \expandafter\renewcommand%
17895   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17896 }
17897
17898 \CloneTOCEntryStyle{section}{default}
17899
17900 \DeclareSectionCommand[%
17901   style=part,%
17902   level=\m@ne,%
17903   pagestyle=plain,%
17904   tocstyle=part,%
17905   toplevel=\m@ne,%
17906   tocindent=\z@,%
17907   tocnumwidth=2em%
17908 ]{part}
17909 \DeclareSectionCommand[%
17910   style=chapter,%
17911   level=\z@,%
17912   pagestyle=plain,%
17913   tocstyle=chapter,%
17914   tocindent=\z@,%
17915   tocnumwidth=1.5em%
17916 ]{chapter}
17917 \DeclareSectionCommand[%
17918   style=section,%
17919   level=1,%
17920   indent=\z@,%
17921   beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
17922   afterskip=2.3ex \@plus .2ex,%
17923   tocstyle=section,%
17924   tocindent=1.5em,%
17925   tocnumwidth=2.3em%
17926 ]{section}
17927 \DeclareSectionCommand[%
17928   style=section,%
17929   level=2,%
17930   indent=\z@,%
17931   beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
17932   afterskip=1.5ex \@plus .2ex,%
17933   tocstyle=section,%
17934   tocindent=3.8em,%
17935   tocnumwidth=3.2em%

```



```

17936]{subsection}
17937\DeclareSectionCommand[%
17938 style=section,%
17939 level=3,%
17940 indent=\z@,%
17941 beforekip=-3.25ex\@plus -1ex \@minus -.2ex,%
17942 afterskip=1.5ex \@plus .2ex,%
17943 tocstyle=section,%
17944 tocindent=7.0em,%
17945 tocnumwidth=4.1em%
17946]{subsubsection}
17947\DeclareSectionCommand[%
17948 style=section,%
17949 level=4,%
17950 indent=\z@,%
17951 beforekip=3.25ex \@plus1ex \@minus .2ex,%
17952 afterskip=-1em,%
17953 tocstyle=section,%
17954 tocindent=10em,%
17955 tocnumwidth=5em%
17956]{paragraph}
17957\DeclareSectionCommand[%
17958 style=section,%
17959 level=5,%
17960 indent=\scr@parindent,%
17961 beforekip=3.25ex \@plus1ex \@minus .2ex,%
17962 afterskip=-1em,%
17963 tocstyle=section,%
17964 tocindent=12em,%
17965 tocnumwidth=6em%
17966]{subparagraph}
17967
17968

```

## 107 File scrlettr-xetex-bidi.def

```

17969\ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17970\renewcommand\deffootnote[4] []{%
17971 \long\def\@makefn#1{%
17972 \edef\@tempa{#1}\ifx\@tempa\@empty
17973 \setpar{\@par
17974 \tempdima = \hsize
17975 \addtolength{\tempdima}{-#2}
17976 \ifRTL\parshape \@ne Opt \tempdima\else\parshape \@ne #2 \tempdima\fi}%
17977 \else
17978 \setpar{\@par
17979 \tempdima = \hsize
17980 \addtolength{\tempdima}{-#1}
17981 \tempdimb = \hsize
17982 \addtolength{\tempdimb}{-#2}

```



```

17983     \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17984     \fi
17985     \par
17986     \parindent #3\noindent
17987     \hbox to \z@{\hss\@makefnmark}##1}
17988 \def\@makefnmark{\hbox{#4}}
17989 }
17990 \deffootnote[1em]{1.5em}{1em}
17991  {\textsuperscript{\thefootnotemark}}
17992 \def\left@footnoterule{\kern-1\p@
17993 \hrule width 0.4\columnwidth
17994 \kern .6\p@}
17995 \def\right@footnoterule{%
17996 \kern-1\p@
17997 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17998 \kern .6\p@}
17999 \def\@datefield{\@reffalse
18000 \ifx\varyourref\@empty \else \@reftrue \fi
18001 \ifx\varyourmail\@empty \else \@reftrue \fi
18002 \ifx\varmyref\@empty \else \@reftrue \fi
18003 \ifx\varcustomer\@empty \else \@reftrue \fi
18004 \ifx\varinvoice\@empty \else \@reftrue \fi
18005 \ifx\varrefitemi\@empty \else \@reftrue \fi
18006 \ifx\varrefitemii\@empty \else \@reftrue \fi
18007 \ifx\varrefitemiii\@empty \else \@reftrue \fi
18008 \vskip -\parskip
18009 \vskip \refvskip
18010 \if@ref
18011 \ifx\varyourref\@empty \else
18012 \settowidth{\sc@temp}{\varyourref}
18013 \setbox0\hbox{\scriptsize \sf \yourrefname}
18014 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18015 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
18016 \fi
18017 \ifx\varyourmail\@empty \else
18018 \settowidth{\sc@temp}{\varyourmail}
18019 \setbox0\hbox{\scriptsize \sf \yourmailname}
18020 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18021 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
18022 \fi
18023 \ifx\varmyref\@empty \else
18024 \settowidth{\sc@temp}{\varmyref}
18025 \setbox0\hbox{\scriptsize \sf \myrefname}
18026 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
18027 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
18028 \fi
18029 \ifx\varcustomer\@empty \else
18030 \settowidth{\sc@temp}{\varcustomer}
18031 \setbox0\hbox{\scriptsize \sf \customername}
18032 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi

```



```

18033 \parbox[t]{\sc@temp}{\noindent \box0\par \varcustomer}\hfill
18034 \fi
18035 \ifx\varinvoice\empty \else
18036 \settowidth{\sc@temp}{\varinvoice}
18037 \setbox0\hbox{\scriptsize \sf \invoicename}
18038 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18039 \parbox[t]{\sc@temp}{\noindent \box0\par \varinvoice}\hfill
18040 \fi
18041 \ifx\varrefitemi\empty \else
18042 \settowidth{\sc@temp}{\varrefitemi}
18043 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
18044 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18045 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemi}\hfill
18046 \fi
18047 \ifx\varrefitemii\empty \else
18048 \settowidth{\sc@temp}{\varrefitemii}
18049 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
18050 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18051 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemii}\hfill
18052 \fi
18053 \ifx\varrefitemiii\empty \else
18054 \settowidth{\sc@temp}{\varrefitemiii}
18055 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
18056 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18057 \parbox[t]{\sc@temp}{\noindent \box0\par \varrefitemiii}\hfill
18058 \fi
18059 \ifx\@date\empty \else
18060 \settowidth{\sc@temp}{\@date}
18061 \setbox0\hbox{\scriptsize \sf \datename}
18062 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
18063 \parbox[t]{\sc@temp}{\noindent \box0\par \@date}
18064 \fi
18065 \par
18066 \vspace{2.5\baselineskip}
18067 \else
18068 {\ifx\@date\empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
18069 \vspace{1.5\baselineskip}
18070 \fi}
18071 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
18072 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
18073 -\sigindent \hspace{\sigindent}%
18074 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@sk
18075 \fromsig\strut}\par
18076 \vspace{1.5\baselineskip}}

```

## 108 File `scrreprt-xetex-bidi.def`

```

18077 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
18078 \newcommand{\scr@saved@LTRfootnotetext}{}
18079 \newcommand{\scr@saved@RTLfootnotetext}{}

```



```

18080 \let\scr@saved@footnotetext\@footnotetext
18081 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
18082 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
18083 \renewcommand{\@footnotetext}[1]{%
18084   \scr@saved@footnotetext{#1}%
18085   \csname FN@mf@prepare\endcsname
18086 }
18087 \renewcommand{\@LTRfootnotetext}[1]{%
18088   \scr@saved@LTRfootnotetext{#1}%
18089   \csname FN@mf@prepare\endcsname
18090 }
18091 \renewcommand{\@RTLfootnotetext}[1]{%
18092   \scr@saved@RTLfootnotetext{#1}%
18093   \csname FN@mf@prepare\endcsname
18094 }
18095 \renewcommand\deffootnote[4] []{%
18096   \long\def\@makefnmark##1{%
18097     \setlength{\@tempdimc}{#3}%
18098     \def\@tempa{#1}\ifx\@tempa\@empty
18099       \@setpar{\@par
18100         \@tempdima = \hsize
18101         \addtolength{\@tempdima}{-#2}%
18102         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
18103     \else
18104       \addtolength{\@tempdimc}{#2}%
18105       \addtolength{\@tempdimc}{-#1}%
18106       \@setpar{\@par
18107         \@tempdima = \hsize
18108         \addtolength{\@tempdima}{-#1}%
18109         \@tempdimb = \hsize
18110         \addtolength{\@tempdimb}{-#2}%
18111         \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
18112       }%
18113     \fi
18114     \par
18115     \parindent\@tempdimc\noindent
18116     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
18117   }%
18118   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
18119 }
18120 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
18121 \renewcommand*\left@footnoterule{%
18122   \normalsize\ftn@rule@test@values
18123   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18124   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18125   {\usekomafont{footnoterule}{%
18126     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
18127   \kern 2.6\p@}
18128 \renewcommand*\right@footnoterule{%
18129   \normalsize\ftn@rule@test@values

```



```

18130 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
18131 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18132 {\usekomafont{footnoterule}{%
18133   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
18134 \kern 2.6\p@}
18135 \renewcommand*\maketitle[1][1]{%
18136 \if@titlepage
18137   \begin{titlepage}
18138     \setcounter{page}{%
18139       #1%
18140     }%
18141     \let\footnotesize\small
18142     \let\right@footnoterule\relax
18143     \let\left@footnoterule\relax
18144     \let\textwidth@footnoterule\relax
18145     \let\footnote\thanks
18146     \let\LTRfootnote\LTRthanks
18147     \let\RTLfootnote\RTLthanks
18148     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18149     \let\@oldmakefnmark\@makefnmark
18150     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
18151     \ifx\@extratitle\@empty \else
18152       \noindent\@extratitle\next@tpage\cleardoubleemptypage
18153       \thispagestyle{empty}%
18154     \fi
18155     \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18156     \ifx\@titlehead\@empty \else
18157       \begin{minipage}[t]{\textwidth}%
18158         \@titlehead
18159       \end{minipage}\par
18160     \fi
18161     \null\vfill
18162     \begin{center}
18163       \ifx\@subject\@empty \else
18164         {\subject@font \@subject \par}%
18165         \vskip 3em
18166       \fi
18167       {\titlefont\huge \@title\par}%
18168       \vskip 1em
18169       {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18170       \vskip 2em
18171       {\Large \lineskip 0.75em
18172         \begin{tabular}[t]{c}
18173           \@author
18174         \end{tabular}\par
18175       }%
18176       \vskip 1.5em
18177       {\Large \@date \par}%
18178       \vskip \z@ \@plus3fill
18179       {\Large \@publishers \par}%

```



```

18180     \vskip 3em
18181 \end{center}\par
18182 \@thanks
18183 \vfill\null
18184 \if@twoside\next@tpage
18185   \begin{minipage}[t]{\textwidth}
18186     \@uppertitleback
18187   \end{minipage}\par
18188   \vfill
18189   \begin{minipage}[b]{\textwidth}
18190     \@lowertitleback
18191   \end{minipage}
18192 \fi
18193 \ifx\@dedication\@empty \else
18194   \next@tpage\null\vfill
18195   {\centering \Large \@dedication \par}%
18196   \vskip \z@ \@plus3fill
18197   \if@twoside \next@tpage\cleardoubleemptypage \fi
18198 \fi
18199 \end{titlepage}
18200 \else
18201   \par
18202   \@tempcnta=%
18203   #1%
18204   \relax\ifnum\@tempcnta=1\else
18205     \ClassWarning{KOMAClassName}{%
18206       Optional argument of \string\maketitle\space ignored
18207       at\MessageBreak
18208       notitlepage-mode%
18209     }%
18210   \fi
18211   \begin{group}
18212     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
18213     \let\@oldmakefnmark\@makefnmark
18214     \renewcommand*\@makefnmark{\@rlap\@oldmakefnmark}
18215     \if@twocolumn
18216       \ifnum \col@number=\@one
18217         \@maketitle
18218       \else
18219         \twocolumn[\@maketitle]%
18220       \fi
18221     \else
18222       \newpage
18223       \global\@topnum\z@
18224       \@maketitle
18225     \fi
18226     \thispagestyle{\titlepagestyle}\@thanks
18227   \end{group}
18228 \fi
18229 \setcounter{footnote}{0}%

```



```

18230 \let\thanks\relax
18231 \let\LTRthanks\relax
18232 \let\RTLthanks\relax
18233 \let\maketitle\relax
18234 \let\@maketitle\relax
18235 \global\let\@thanks\@empty
18236 \global\let\@author\@empty
18237 \global\let\@date\@empty
18238 \global\let\@title\@empty
18239 \global\let\@subtitle\@empty
18240 \global\let\@extratitle\@empty
18241 \global\let\@titlehead\@empty
18242 \global\let\@subject\@empty
18243 \global\let\@publishers\@empty
18244 \global\let\@uppertitleback\@empty
18245 \global\let\@lowertitleback\@empty
18246 \global\let\@dedication\@empty
18247 \global\let\author\relax
18248 \global\let\title\relax
18249 \global\let\extratitle\relax
18250 \global\let\titlehead\relax
18251 \global\let\subject\relax
18252 \global\let\publishers\relax
18253 \global\let\uppertitleback\relax
18254 \global\let\lowertitleback\relax
18255 \global\let\dedication\relax
18256 \global\let\date\relax
18257 \global\let\and\relax
18258 }%
18259 \renewcommand*{\@maketitle}{%
18260 \clearpage
18261 \let\footnote\thanks
18262 \let\LTRfootnote\LTRthanks
18263 \let\RTLfootnote\RTLthanks
18264 \ifx\@extratitle\@empty \else
18265 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
18266 \fi
18267 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
18268 \ifx\@titlehead\@empty \else
18269 \begin{minipage}[t]{\textwidth}
18270 \@titlehead
18271 \end{minipage}\par
18272 \fi
18273 \null
18274 \vskip 2em%
18275 \begin{center}%
18276 \ifx\@subject\@empty \else
18277 {\subject@font \@subject \par}
18278 \vskip 1.5em
18279 \fi

```





```

18280 {\titlefont\huge \@title \par}%
18281 \vskip .5em
18282 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
18283 \vskip 1em
18284 {\Large
18285 \lineskip .5em%
18286 \begin{tabular}[t]{c}
18287 \@author
18288 \end{tabular}\par
18289 }%
18290 \vskip 1em%
18291 {\Large \@date \par}%
18292 \vskip \z@ \@plus 1em
18293 {\Large \@publishers \par}
18294 \ifx\@dedication\@empty \else
18295 \vskip 2em
18296 {\Large \@dedication \par}
18297 \fi
18298 \end{center}}%
18299 \par
18300 \vskip 2em
18301 }%
18302 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
18303 \renewcommand*{\autodot}{\if@altsecnumformat\@SepMark\fi}
18304 \renewcommand*{\thesection}{%
18305 \thechapter\@SepMark%
18306 \@arabic\c@section
18307 }
18308 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
18309 \renewcommand*{\thesubsubsection}{%
18310 \thesubsection\@SepMark\@arabic\c@subsubsection
18311 }
18312 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
18313 \renewcommand*{\thesubparagraph}{%
18314 \theparagraph\@SepMark\@arabic\c@subparagraph
18315 }
18316 \renewcommand*{\thefigure}{%
18317 \thechapter\@SepMark%
18318 \@arabic\c@figure
18319 }
18320 \renewcommand*{\thetable}{%
18321 \thechapter\@SepMark%
18322 \@arabic\c@table
18323 }
18324 \renewcommand*{\theequation}{%
18325 \thechapter\@SepMark%
18326 \@arabic\c@equation
18327 }
18328 \renewenvironment{thebibliography}[1]{%
18329 \if@bib@break@

```



```

18330 \bib@beginhook
18331 \else
18332 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18333 \setchapterpreamble{\bibpreamble}%
18334 \fi\fi
18335 \bib@heading
18336 \bib@beginhook
18337 \bib@before@hook
18338 \fi
18339 \renewcommand{\BreakBibliography}[1]{%
18340 \@bib@break
18341 \end{thebibliography}%
18342 \begingroup ##1\endgroup
18343 \begin{thebibliography}{#1}
18344 }%
18345 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18346 \bidi@thebibliography@font@hook%
18347 \list{%
18348 \@biblabel{\@arabic\c@enumiv}%
18349 }{%
18350 \settowidth\labelwidth{\@biblabel{#1}}%
18351 \leftmargin\labelwidth
18352 \advance\leftmargin\labelsep
18353 \@openbib@code
18354 \if@bib@break@
18355 \edef\@tempa{%
18356 \noexpand\usecounter{enumiv}%
18357 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18358 }\@tempa
18359 \no@bib@break
18360 \else
18361 \usecounter{enumiv}%
18362 \fi
18363 \let\p@enumiv\@empty
18364 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
18365 }%
18366 \sloppy\clubpenalty4000 \widowpenalty4000
18367 \sfcode\.=\@m
18368 }{%
18369 \if@bib@break@
18370 \def\@noitemerr{%
18371 \@latex@warning{%
18372 \string\BreakBibliography\space at begin of `thebibliography'
18373 environment\MessageBreak
18374 or following \string\BreakBibliography}%
18375 }%
18376 \else
18377 \def\@noitemerr{%
18378 \@latex@warning{%
18379 Empty `thebibliography' environment or

```



```

18380         \string\BreakBibliography\MessageBreak
18381         before end of `thebibliography' environment}%
18382     }%
18383 \fi
18384 \endlist
18385 \if@bib@break@
18386 \else
18387     \bib@after@hook
18388     \let\bib@before@hook\@empty
18389     \let\bib@after@hook\@empty
18390 \fi
18391 \bib@endhook
18392 }
18393 \renewcommand*\left@footnoterule{%
18394     \kern-3\p@
18395     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18396     \hrule\@width.4\columnwidth
18397     \kern 2.6\p@}
18398 \renewcommand*\right@footnoterule{%
18399     \kern-3\p@
18400     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18401     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18402     \kern2.6\p@}
18403 \renewcommand*\raggeddictum{\ifRTL\raggedright\else\raggedleft\fi}
18404 \renewcommand*\raggeddictumtext{\ifRTL\raggedleft\else\raggedright\fi}
18405 \renewcommand*\raggeddictumauthor{\ifRTL\raggedright\else\raggedleft\fi}
18406 \renewcommand\marginline[1]{%
18407     \marginpar[\ifRTL\raggedright\else\raggedleft\fi{#1}]{\ifRTL\raggedleft\else\raggedright\fi}
18408 }
18409 \renewcommand{\@@makecaption}[3]{%
18410     \cap@margin
18411     \ifonelinecaptions
18412         \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18413         \let\scr@tmp@footnotetext=\@footnotetext
18414         \let\@footnotetext=\@gobble
18415         \let\scr@tmp@LTRfootnotetext=@LTRfootnotetext
18416         \let@LTRfootnotetext=@gobble
18417         \let\scr@tmp@RTLfootnotetext=@RTLfootnotetext
18418         \let@RTLfootnotetext=@gobble
18419         \sbox\@tempboxa{%
18420             {\capfont{\strut\ignorespaces
18421                 #1{\caplabelfont{#2\captionformat}}}%
18422                 #3\unskip\strut}}%
18423         }%
18424         \let\@footnotetext=\scr@tmp@footnotetext
18425         \let\scr@tmp@footnotetext=\undefined
18426         \let@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18427         \let\scr@tmp@LTRfootnotetext=\undefined
18428         \let@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18429         \let\scr@tmp@RTLfootnotetext=\undefined

```



```

18430 \setcounter{footnote}{\@tempcntb}%
18431 \setcounter{mpfootnote}{\@tempcnta}%
18432 \else
18433 \sbox\@tempboxa{\hspace*{2\cap@width}}%
18434 \fi
18435 \begingroup%
18436 \setlength{\@tempdima}{\cap@width}%
18437 \ifdim \wd\@tempboxa >\@tempdima
18438 \hb@xt@\hsize{%
18439 \setbox\@tempboxa\vbox{\hsize=\cap@width
18440 \ifdofullc@p
18441 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18442 #1{\caplabelfont{#2\captionformat}}}}}%
18443 #3\unskip\strut\par}}}%
18444 \else%
18445 \ifdim\cap@indent<\z@
18446 {\capfont{\strut\ignorespaces
18447 #1{\caplabelfont{#2\captionformat\par}}}%
18448 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
18449 \else%
18450 \if@capbreak
18451 {\capfont{\strut\ignorespaces
18452 #1{\caplabelfont{#2\captionformat\par}}}%
18453 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
18454 \else
18455 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
18456 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18457 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
18458 \fi
18459 \fi
18460 \fi
18461 }%
18462 \setlength{\@tempdima}{\ht\@tempboxa}%
18463 \addtolength{\@tempdima}{\dp\@tempboxa}%
18464 \addtolength{\@tempdima}{-\ht\strutbox}%
18465 \ht\@tempboxa\ht\strutbox
18466 \dp\@tempboxa\@tempdima
18467 \strut\cap@left
18468 \box\@tempboxa
18469 \cap@right\strut
18470 }%
18471 \else
18472 \global \@minipagefalse
18473 \sbox\@tempboxa{%
18474 {\capfont{\scr@smashdp{\strut\ignorespaces
18475 #1{\caplabelfont{#2\captionformat}}}}}%
18476 #3}}%
18477 }%
18478 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
18479 \fi

```



```

18480 \endgroup
18481 }
18482 \renewcommand{\@makecaption}[2]{%
18483   \if@captionabove
18484     \vskip\belowcaptionskip
18485   \else
18486     \vskip\abovecaptionskip
18487   \fi
18488   \@makecaption\@firstofone{#1}{#2}%
18489   \if@captionabove
18490     \vskip\abovecaptionskip
18491   \else
18492     \vskip\belowcaptionskip
18493   \fi
18494 }
18495 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18496   \@ifpackageloaded{caption2}{\@komalongtablefalse
18497     \scr@caption@before@longtable@warning{caption2}%
18498   }{}%
18499   \if@komalongtable
18500     \renewcommand{\LT@makecaption}[3]{%
18501       \noalign{%
18502         \if@captionabove
18503           \vskip\belowcaptionskip
18504         \else
18505           \vskip\abovecaptionskip
18506         \fi
18507       }%
18508       \LT@mcol\LT@cols c{%
18509         \hbox to\z@{\hss\parbox[t]{\linewidth{%
18510           \@makecaption{#1}{#2}{#3}%
18511         \endgraf
18512         \if@captionabove
18513           \vskip\abovecaptionskip
18514         \else
18515           \vskip\belowcaptionskip
18516         \fi
18517         }%
18518         \hss
18519       }%
18520     }%
18521   }%
18522   \renewcommand*{\scr@LT@array}{}%
18523   \let\scr@LT@array=\LT@array
18524   \renewcommand*{\LT@array}{%
18525     \let\scr@caption=\LT@caption
18526     \def\captionabove{\noalign{\global\@captionabovetrue}%
18527       \scr@caption}%
18528     \def\captionbelow{\noalign{\global\@captionabovetrue}%
18529       \scr@caption}%

```



```

18530     \if@tablecaptionabove
18531         \let\LT@caption=\captionabove
18532     \else
18533         \let\LT@caption=\captionbelow
18534     \fi
18535     \scr@LT@array
18536 }%
18537 \ClassInfo{\KOMAClassName}{%
18538     longtable captions redefined%
18539 }%
18540 \fi
18541 }
18542
18543 \CloneTOCEntryStyle{tocline}{part}
18544 \TOCEntryStyleStartInitCode{part}{%
18545     \expandafter\renewcommand%
18546     \csname scr@tso@#1@linefill\endcsname{\hfill}%
18547     \expandafter\renewcommand%
18548     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18549     \expandafter\renewcommand%
18550     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18551         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18552     \expandafter\renewcommand\expandafter*%
18553     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
18554 }
18555
18556 \CloneTOCEntryStyle{tocline}{chapter}
18557 \TOCEntryStyleStartInitCode{chapter}{%
18558     \expandafter\renewcommand%
18559     \csname scr@tso@#1@linefill\endcsname{%
18560         \if@chapterentrywithdots
18561             \TOCLineLeaderFill\relax
18562         \else
18563             \hfill
18564         \fi
18565     }%
18566     \expandafter\renewcommand%
18567     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18568     \expandafter\renewcommand%
18569     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18570         \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18571     \expandafter\renewcommand\expandafter*%
18572     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
18573 }
18574
18575 \CloneTOCEntryStyle{tocline}{section}
18576 \TOCEntryStyleStartInitCode{section}{%
18577     \expandafter\renewcommand%
18578     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18579 }

```



```

18580
18581 \CloneTOCEntryStyle{section}{default}
18582
18583 \DeclareSectionCommand[%
18584   style=part,%
18585   level=\m@ne,%
18586   pagestyle=plain,%
18587   tocstyle=part,%
18588   toplevel=\m@ne,%
18589   tocindent=\z@,%
18590   tocnumwidth=2em%
18591 ]{part}
18592 \DeclareSectionCommand[%
18593   style=chapter,%
18594   level=\z@,%
18595   pagestyle=plain,%
18596   tocstyle=chapter,%
18597   tocindent=\z@,%
18598   tocnumwidth=1.5em%
18599 ]{chapter}
18600 \DeclareSectionCommand[%
18601   style=section,%
18602   level=1,%
18603   indent=\z@,%
18604   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
18605   afterskip=2.3ex \@plus .2ex,%
18606   tocstyle=section,%
18607   tocindent=1.5em,%
18608   tocnumwidth=2.3em%
18609 ]{section}
18610 \DeclareSectionCommand[%
18611   style=section,%
18612   level=2,%
18613   indent=\z@,%
18614   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18615   afterskip=1.5ex \@plus .2ex,%
18616   tocstyle=section,%
18617   tocindent=3.8em,%
18618   tocnumwidth=3.2em%
18619 ]{subsection}
18620 \DeclareSectionCommand[%
18621   style=section,%
18622   level=3,%
18623   indent=\z@,%
18624   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
18625   afterskip=1.5ex \@plus .2ex,%
18626   tocstyle=section,%
18627   tocindent=7.0em,%
18628   tocnumwidth=4.1em%
18629 ]{subsubsection}

```



```

18630 \DeclareSectionCommand[%
18631   style=section,%
18632   level=4,%
18633   indent=\z@,%
18634   beforekip=3.25ex \@plus1ex \@minus.2ex,%
18635   afterskip=-1em,%
18636   tocstyle=section,%
18637   tocindent=10em,%
18638   tocnumwidth=5em%
18639 ]{paragraph}
18640 \DeclareSectionCommand[%
18641   style=section,%
18642   level=5,%
18643   indent=\scr@parindent,%
18644   beforekip=3.25ex \@plus1ex \@minus.2ex,%
18645   afterskip=-1em,%
18646   tocstyle=section,%
18647   tocindent=12em,%
18648   tocnumwidth=6em%
18649 ]{subparagraph}
18650
18651

```

## 109 File `sidecap-xetex-bidi.def`

```

18652 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for
18653 \renewcommand*{\SC@FLOAT}[2]{\ifRTL%
18654   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
18655 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
18656 \renewcommand*\SC@justify@caption{\ifRTL%
18657 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
18658   \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

## 110 File `soul-xetex-bidi.def`

```

18659 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18660 \long\def\SOUL@start#1{ {%
18661   \let\bidi@RTL@everypar\@empty
18662   \let\<\SOUL@lowerthan
18663   \let\>\empty
18664   \def\soulomit{\noexpand\soulomit}%
18665   \gdef\SOUL@eventuallyexhyphen##1{ %
18666   \let\SOUL@soeventuallyskip\relax
18667   \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18668     \@minus\fontdimen4\font
18669   \SOUL@ignorespacesfalse
18670   \leavevmode
18671   \SOUL@preamble
18672   \SOUL@lasttoken={}%
18673   \SOUL@word={}%

```





```

18674 \SOUL@minus\z@
18675 \SOUL@comma\z@
18676 \SOUL@apo\z@
18677 \SOUL@grave\z@
18678 \SOUL@do{#1}%
18679 \SOUL@postamble
18680 }}
18681 \def\SOUL@ulunderline#1{%
18682 \setbox\z@\hbox{#1}%
18683 \dimen@=\wd\z@
18684 \dimen@i=\SOUL@uloverlap
18685 \advance\dimen@2\dimen@i
18686 \if@RTL
18687 \unhcopy\z@
18688 \llap{%
18689 \null
18690 \kern-\dimen@i
18691 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18692 }%
18693 \else
18694 \rlap{%
18695 \null
18696 \kern-\dimen@i
18697 \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18698 }%
18699 \unhcopy\z@
18700 \fi
18701 }}
18702 \def\bidi@SOUL@ulleaders{%
18703 \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\re
18704 }
18705 \def\SOUL@uleveryspace#1{%
18706 \if@RTL
18707 #1%
18708 \bidi@SOUL@ulleaders
18709 \hskip\spaceskip
18710 \else
18711 \SOUL@ulcolor{%
18712 #1%
18713 \SOUL@ulleaders
18714 \hskip\spaceskip
18715 }%
18716 \fi
18717 \null
18718 }

```

## 111 File stabular-xetex-bidi.def

```

18719 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package ]
18720 \def\@stabular{%

```



```

18721 \leavevmode \bgroup \if@RTLtab\beginR \fi
18722 \let\@acol\@tabacol
18723 \let\@classz\@tabclassz
18724 \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18725 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
18726 \egroup \if@RTLtab\endR\fi\egroup}
18727 \expandafter \let \csname endstabular*\endcsname = \endstabular
18728 \def\@sarray[#1]#2{%
18729 \bgroup
18730 \setbox\@arstrutbox\hbox{%
18731 \vrule \@height\arraystretch\ht\strutbox
18732 \@depth\arraystretch \dp\strutbox
18733 \@width\z@}%
18734 \@mkpream{#2}%
18735 \edef\@preamble{%
18736 \ialign \noexpand\@halignto
18737 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18738 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18739 \let\@tabularnewline\%
18740 \let\@sharp##%
18741 \set@typeset@protect
18742 \lineskip\z@skip\baselineskip\z@skip
18743 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1\vtop \else \vbox \fi\bgroup\fi
18744 \@preamble}

```

## 112 File subfigure-xetex-bidi.def

```

18745 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18746 \AtBeginDocument{%
18747 \let\p@subfigure=\thefigure
18748 \let\p@subtable=\thetable%
18749 }

```

## 113 File tabs-xetex-bidi.def

```

18750 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for Xe]
18751 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18752
18753 \expandafter\let\csname endtabular*\endcsname=\endtabular
18754
18755 \def\endarray{\ifvmode\csname crr\endcsname % just do \crr if \ given
18756 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18757 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18758
18759 \def\@array[#1]#2% remember global variables to allow recursion:
18760 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18761 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18762 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18763 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18764 \else \let\@tarlinesep\tablinesep \fi

```



```

18765 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18766 \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
18767 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18768 \ifdim\@tarlinesep>z@ % (need \protect for \multicolumn)
18769   \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
18770   \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18771 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18772   \vrule \@height\@tempdima \@depth\@tempdimb \@widthz@}%
18773 \let\protect\noexpand
18774 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18775 \unhcopy\@arstrutbox \@preamble \tabskipz@skip &\@sharp \cr}%
18776 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
18777 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
18778 \bgroup \let\par\@empty
18779 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18780 \advance\extrarulesep.5\arrayrulewidth
18781 \let\@sharp##\let\protect\relax \lineskipz@skip \baselineskipz@skip
18782 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
18783 \@preamble}

```

## 114 File tabularx-xetex-bidi.def

```

18784 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
18785 \def\TX@endtabularx{%
18786   \expandafter\expandafter\expandafter
18787     \TX@find@endtabularxa\csname end\TX@\endcsname
18788     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18789   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
18790   \let\verb\TX@verb
18791   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18792   \edef\TX@ckpt{\cl@ckpt}%
18793   \let\@elt\relax
18794   \TX@old@table\maxdimen
18795   \TX@col@width\TX@target
18796   \global\TX@cols\@ne
18797   \TX@typeout@
18798     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18799   \TX@trial{\def\NC@rewriteX{%
18800     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18801   \loop
18802     \TX@arith
18803     \ifTX@
18804       \TX@trial{}%
18805   \repeat
18806   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18807   \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18808   \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18809   \csname tabular*\expandafter\endcsname\expandafter\TX@target
18810     \the\toks@
18811   \csname endtabular*\endcsname}%

```



```

18812 \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18813 \ifnum0={\fi}%
18814 \expandafter\expandafter\expandafter
18815 \TX@find@endtabularxbb
18816 \expandafter\end\expandafter{\TX@}%
18817 \endtabularx\TX@\endtabularx\TX@find@endtabularxb
18818 }
18819
18820 \def\TX@trial#1{%
18821 \setbox\@tempboxa\hbox{%
18822 #1\relax
18823 \let\@footnotetext\TX@trial@ftn
18824 \let\@LTRfootnotetext\TX@trial@ftn
18825 \let\@RTLfootnotetext\TX@trial@ftn
18826 \let\TX@vwarn\@empty
18827 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18828 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18829 \def\write{\begingroup
18830 \def\let{\afterassignment\endgroup\toks@}%
18831 \afterassignment\let\count@}%
18832 \hbadness\@M
18833 \hfuzz\maxdimen
18834 \let\hbadness\@tempcnta
18835 \let\hfuzz\@tempdima
18836 \expandafter\tabular\the\toks@
18837 \endtabular}%
18838 \TX@ckpt
18839 \TX@typeout@{\@spaces
18840 \expandafter\TX@align
18841 \the\wd\@tempboxa\space\space\space\space\space\@@
18842 \expandafter\TX@align
18843 \the\TX@colwidth\space\space\space\space\space\@@
18844 \@spaces\the\TX@cols}}
18845
18846 \long\def\TX@LTRftntext#1{%
18847 \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18848 [\the\csname c@\@mpfn\endcsname]}}%
18849 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18850 \long\def\TX@xLTRftntext[#1]#2{%
18851 \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
18852
18853 \long\def\TX@RTLftntext#1{%
18854 \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18855 [\the\csname c@\@mpfn\endcsname]}}%
18856 \global\TX@ftn\expandafter{\@tempa{#1}}}%
18857 \long\def\TX@xRTLftntext[#1]#2{%
18858 \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```



## 115 File tabulary-xetex-bidi.def

```
18859 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package ]
18860 \def\@testpach{\@chclass
18861 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
18862 \ifnum \@lastchclass=7 5 \else
18863 \ifnum \@lastchclass=8 \tw@ \else
18864 \ifnum \@lastchclass=9 \thr@@
18865 \else \z@
18866 \ifnum \@lastchclass = 10 \else
18867 \edef\@nextchar{\expandafter\string\@nextchar}%
18868 \@chnum
18869 \if \@nextchar c\z@ \else
18870 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
18871 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
18872 \if \@nextchar C7 \else
18873 \if \@nextchar L8 \else
18874 \if \@nextchar R9 \else
18875 \if \@nextchar J10 \else
18876 \z@ \@chclass
18877 \if\@nextchar |\@ne \else
18878 \if \@nextchar !6 \else
18879 \if \@nextchar @7 \else
18880 \if \@nextchar <8 \else
18881 \if \@nextchar >9 \else
18882 10
18883 \@chnum
18884 \if \@nextchar m\thr@@\else
18885 \if \@nextchar p4 \else
18886 \if \@nextchar b5 \else
18887 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
18888 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi }
```

## 116 File tc-xetex-bidi.def

```
18889 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
18890 \def\@cliptoboxdim#1{%
18891 \setbox#1=\hbox{%
18892 \Gin@defaultbp\WIDTH{\wd#1}%
18893 \Gin@defaultbp\DEPTH{\dp#1}%
18894 \@tempdima\ht#1%
18895 \advance\@tempdima\dp#1%
18896 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18897 \beginL\special{pdf:bcontent }%
18898 \special{%
18899 pdf:literal direct
18900 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18901 }%
18902 \special{pdf:literal direct W }%
18903 \special{pdf:literal direct n }%
}
```



```

18904         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18905         \special{pdf:econtent }\endL%
18906     }%
18907 }

```

## 117 File tcolorbox-xetex-bidi.def

```

18908 \ProvidesFile{tcolorbox-xetex-bidi.def}[2018/11/11 v0.2 bidi adaptations for tcolorbox package]
18909 \let\endtcblrbox=\endminipage
18910 \let\endtcbsavebox=\endtcblrbox
18911
18912 \bidi@patchcmd{\tcb@vbox}{%
18913   \let\@footnotetext\@mpfootnotetext%
18914 }{%
18915   \let\@footnotetext\@mpfootnotetext%
18916   \let\@LTRfootnotetext\@mpLTRfootnotetext%
18917   \let\@RTLfootnotetext\@mpRTLfootnotetext%
18918 }-{}-{}
18919
18920 \bidi@patchcmd{\endtcbsavebox}{%
18921   \footnoterule%
18922 }{%
18923   \bidi@mpfootnoterule%
18924 }-{}-{}
18925 \bidi@apptocmd\tcb@icolorbox{%
18926   \@bidi@list@minipage@parboxfalse
18927 }-{}-{}

```

## 118 File titlesec-xetex-bidi.def

```

18928 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18929 \renewcommand\filright{%
18930   \gdef\ttl@filleft##1{\hskip##1}%
18931   \gdef\ttl@filright##1{\hfill}%
18932   \let\\\@centercr
18933   \advance\rightskip\z@ \@plus 1fil
18934   \parfillskip\z@}
18935 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18936   \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18937   \setlength\leftskip{#6}%
18938   \setlength\rightskip{#7}%
18939   \interlinepenalty\M
18940   \ttl@changecentercr
18941   \ttl@beginlongest
18942   #1{\ifhmode\ttl@hmode@error\fi
18943     \ttl@glcmds
18944     \parindent\z@
18945     \leavevmode
18946     \begingroup
18947     \ifttl@label

```



```

18948         \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18949         \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18950         \llap{\box\z@}%
18951     \fi
18952     #4{#8}%
18953     \kern\z@\strut\@@par
18954 \endgroup
18955 \nobreak\ttl@midlongest#5\@@par}%
18956 \ttl@endlongest}

```

## 119 File titletoc-xetex-bidi.def

```

18957 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18958 \renewcommand\filright{%
18959   \gdef\ttl@filleft##1{\hskip##1}%
18960   \gdef\ttl@filright##1{\hfill}%
18961   \let\@centercr
18962   \advance\rightskip\z@ \@plus 1fil
18963 \parfillskip\z@}
18964 \renewcommand\contentspush[1]{%
18965   \sbox\z@{#1}%
18966   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18967   \aftergroup\ttl@b
18968   \leavevmode\llap{\box\z@}}
18969 \def\ttl@outnoblock#1#2#3{%
18970   \begingroup
18971   \ifnum\ttl@b>\ttl@a
18972     \nobreak
18973   \else\ifnum\ttl@b<\ttl@a
18974     \addpenalty{\@secpenalty}%
18975   \else
18976     \addpenalty{\z@}%
18977   \fi\fi
18978   \ttl@contentsstretch
18979   \nobreak
18980   \ifcase#1\relax\else\interlinepenalty\@M\fi
18981   \parindent\z@
18982   \ifx\@nil#2%
18983     \PackageError{titletoc}{Unimplemented}%
18984     {The optional argument is currently mandatory}%
18985   \else
18986     \if@RTL\setlength\rightskip{#2}\else
18987     \setlength\leftskip{#2}\fi%
18988   \fi
18989   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18990   \let\contentsmargin\ttl@margin
18991   \def\ttl@makeline##1{##1}%
18992   #3%
18993   \addtolength{\parfillskip}{-\ttl@corr}%
18994   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%

```



```

18995 \let\ttl@leaders\leaders}
18996 \renewcommand\ttl@margin[2][\z@]{%
18997 \def\ttl@corr{#1}%
18998 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
18999 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
19000 \def\@pnumwidth{#2}}
19001 \let\ttl@savel@part\l@part
19002 \def\l@part{\ttl@lselect{part}}
19003
19004 \let\ttl@savel@chapter\l@chapter
19005 \def\l@chapter{\ttl@lselect{chapter}}

```

## 120 File tocbibind-xetex-bidi.def

```

19006 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
19007 \if@dotocbib
19008 \@ifpackageloaded{natbib}{}{% natbib not loaded
19009 \renewcommand{\bibsection}{\t@cb@bchapsec}
19010 \renewenvironment{thebibliography}[1]{%
19011 \bibsection
19012 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
19013 \renewenvironment{thebibitemlist}[1]{
19014 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
19015 \bidi@thebibliography@font@hook%
19016 \list{\@biblabel{\@arabic\c@enumiv}}%
19017 {\settowidth\labelwidth{\@biblabel{#1}}%
19018 \leftmargin\labelwidth
19019 \advance\leftmargin\labelsep
19020 \openbib@code
19021 \usecounter{enumiv}%
19022 \let\p@enumiv\@empty
19023 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
19024 \sloppy
19025 \clubpenalty4000
19026 \@clubpenalty \clubpenalty
19027 \widowpenalty4000%
19028 \sfcode`.\@m}
19029 {\def\@noitemerr
19030 {\@latex@warning{Empty `thebibliography' environment}}%
19031 \endlist}
19032
19033 \@ifpackagewith{chapterbib}{sectionbib}%
19034 {\renewcommand{sectionbib}[2]{}%
19035 }
19036
19037 \fi
19038 \if@inltxdoc\else
19039 \renewenvironment{theindex}%
19040 {\if@twocolumn
19041 \@restonecolfalse

```





```

19042 \else
19043 \@restonecoltrue
19044 \fi
19045 \if@bibchapter
19046 \if@donumindex
19047 \refstepcounter{chapter}
19048 \twocolumn[\vspace*{2\topskip}]%
19049 \@makechapterhead{\indexname}]%
19050 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
19051 \chaptermark{\indexname}
19052 \else
19053 \if@dotocind
19054 \twocolumn[\vspace*{2\topskip}]%
19055 \@makeschapterhead{\indexname}]%
19056 \prw@mkboth{\indexname}
19057 \addcontentsline{toc}{chapter}{\indexname}
19058 \else
19059 \twocolumn[\vspace*{2\topskip}]%
19060 \@makeschapterhead{\indexname}]%
19061 \prw@mkboth{\indexname}
19062 \fi
19063 \fi
19064 \else
19065 \if@donumindex
19066 \twocolumn[\vspace*{-1.5\topskip}]%
19067 \@nameuse{\@tocextra}{\indexname}]%
19068 \csname \@tocextra mark\endcsname{\indexname}
19069 \else
19070 \if@dotocind
19071 \twocolumn[\vspace*{-1.5\topskip}]%
19072 \toc@headstar{\@tocextra}{\indexname}]%
19073 \prw@mkboth{\indexname}
19074 \addcontentsline{toc}{\@tocextra}{\indexname}
19075 \else
19076 \twocolumn[\vspace*{-1.5\topskip}]%
19077 \toc@headstar{\@tocextra}{\indexname}]%
19078 \prw@mkboth{\indexname}
19079 \fi
19080 \fi
19081 \fi
19082 \thispagestyle{plain}\parindent\z@
19083 \parskip\z@ \@plus .3\p@\relax
19084 \let\item\@idxitem}
19085 {\if@restonecol\onecolumn\else\clearpage\fi}
19086 \fi

```

## 121 File tocloft-xetex-bidi.def

```

19087 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
19088 \let\cftdot\@SepMark

```



```

19089 \ifcfthaspart
19090 \renewcommand*{\l@part}[2]{
19091   \@cftdopartfalse
19092   \ifnum \c@tocdepth >-2\relax
19093     \ifcfthaschapter
19094       \@cftdoparttrue
19095     \fi
19096     \ifnum \c@tocdepth >\m@ne
19097       \ifcfthaschapter\else
19098         \@cftdoparttrue
19099       \fi
19100     \fi
19101   \fi
19102   \ifcftdopart
19103     \ifcfthaschapter
19104       \addpenalty{-\@highpenalty}
19105     \else
19106       \addpenalty\@secpenalty
19107     \fi
19108     \addvspace{\cftbeforepartskip}
19109     \begingroup
19110       {\ifRTL\rightrightarrow\else\leftskip\fi \cftpartindent\relax
19111        \ifRTL\leftskip\else\rightskip\fi \@ocrmarg
19112        \parfillskip -\ifRTL\leftskip\else\rightskip\fi
19113        \parindent \cftpartindent\relax\@afterindenttrue
19114        \interlinepenalty\@M
19115        \leavevmode
19116        \@tempdima \cftpartnumwidth\relax
19117        \let\@cftbsnum \cftpartpresnum
19118        \let\@cftasnum \cftpartaftersnum
19119        \let\@cftasnumb \cftpartaftersnumb
19120        \advance\ifRTL\rightrightarrow\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\right
19121        {\cftpartfont \cftpartpresnum #1}
19122        \cftpartfillnum{#2}}
19123     \nobreak
19124     \ifcfthaschapter
19125       \global\@nobreaktrue
19126       \everypar{\global\@nobreakfalse\everypar{}}
19127     \else
19128       \ifcompatibility
19129         \global\@nobreaktrue
19130         \everypar{\global\@nobreakfalse\everypar{}}
19131       \fi
19132     \fi
19133   \endgroup
19134 \fi}
19135 \fi
19136 \ifcfthaschapter
19137 \renewcommand*{\l@chapter}[2]{
19138   \ifnum \c@tocdepth >\m@ne

```



```

19139 \addpenalty{-\@highpenalty}
19140 \vskip \cftbeforechapskip
19141 {\if@RTL\rightrightskip\else\leftskip\fi \cftchapindent\relax
19142 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
19143 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
19144 \parindent \cftchapindent\relax\@afterindenttrue
19145 \interlinepenalty\@M
19146 \leavevmode
19147 \@tempdima \cftchapnumwidth\relax
19148 \let\@cftbsnum \cftchappresnum
19149 \let\@cftasnum \cftchapaftersnum
19150 \let\@cftasnumb \cftchapaftersnumb
19151 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip\else\leftskip\fi
19152 {\cftchapfont #1}\nobreak
19153 \cftchapfillnum{#2}}
19154 \fi}
19155 \fi
19156 \renewcommand*{\l@section}[2]{%
19157 \ifnum \c@tocdepth >\z@
19158 \if@cfthaschapter
19159 \vskip \cftbeforesecskip
19160 \else
19161 \addpenalty\@secpenalty
19162 \addvspace{\cftbeforesecskip}
19163 \fi
19164 {\if@RTL\rightrightskip\else\leftskip\fi \cftsecindent\relax
19165 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
19166 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
19167 \parindent \cftsecindent\relax\@afterindenttrue
19168 \interlinepenalty\@M
19169 \leavevmode
19170 \@tempdima \cftsecnumwidth\relax
19171 \let\@cftbsnum \cftsecpresnum
19172 \let\@cftasnum \cftsecaftersnum
19173 \let\@cftasnumb \cftsecaftersnumb
19174 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip\else\leftskip\fi
19175 {\cftsecfont #1}\nobreak
19176 \cftsecfillnum{#2}}
19177 \fi}
19178 \renewcommand*{\l@subsection}[2]{%
19179 \ifnum \c@tocdepth >\@ne
19180 \vskip \cftbeforesubsecskip
19181 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubsecindent\relax
19182 \if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
19183 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
19184 \parindent \cftsubsecindent\relax\@afterindenttrue
19185 \interlinepenalty\@M
19186 \leavevmode
19187 \@tempdima \cftsubsecnumwidth\relax
19188 \let\@cftbsnum \cftsubsecpresnum

```



```

19189 \let\cftasnum \cftsubsecaftersnum
19190 \let\cftasnumb \cftsubsecaftersnumb
19191 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19192 {\cftsubsecfont #1}\nobreak
19193 \cftsubsecfillnum{#2}}
19194 \fi}
19195 \renewcommand*{\l@subsubsection}[2]{%
19196 \ifnum \c@tocdepth >\tw@
19197 \vskip \cftbeforesubsubsecskip
19198 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
19199 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19200 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19201 \parindent \cftsubsubsecindent\relax\@afterindenttrue
19202 \interlinepenalty\@M
19203 \leavevmode
19204 \@tempdima \cftsubsubsecnumwidth\relax
19205 \let\cftbsnum \cftsubsubsecpresnum
19206 \let\cftasnum \cftsubsubsecaftersnum
19207 \let\cftasnumb \cftsubsubsecaftersnumb
19208 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19209 {\cftsubsubsecfont #1}\nobreak
19210 \cftsubsubsecfillnum{#2}}
19211 \fi}
19212 \renewcommand*{\l@paragraph}[2]{%
19213 \ifnum \c@tocdepth >3\relax
19214 \vskip \cftbeforeparaskip
19215 {\if@RTL\rightskip\else\leftskip\fi \cftparindent\relax
19216 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19217 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19218 \parindent \cftparindent\relax\@afterindenttrue
19219 \interlinepenalty\@M
19220 \leavevmode
19221 \@tempdima \cftparanumwidth\relax
19222 \let\cftbsnum \cftparapresnum
19223 \let\cftasnum \cftparaaftersnum
19224 \let\cftasnumb \cftparaaftersnumb
19225 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19226 {\cftparafont #1}\nobreak
19227 \cftparafillnum{#2}}
19228 \fi}
19229 \renewcommand*{\l@subparagraph}[2]{%
19230 \ifnum \c@tocdepth >4\relax
19231 \vskip \cftbeforesubparaskip
19232 {\if@RTL\rightskip\else\leftskip\fi \cftsubparindent\relax
19233 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19234 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19235 \parindent \cftsubparindent\relax\@afterindenttrue
19236 \interlinepenalty\@M
19237 \leavevmode
19238 \@tempdima \cftsubparanumwidth\relax

```



```

19239 \let\@cftbsnum \cftsubparapresnum
19240 \let\@cftasnum \cftsubparaaftersnum
19241 \let\@cftasnumb \cftsubparaaftersnumb
19242 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19243 {\cftsubparafont #1}\nobreak
19244 \cftsubparafillnum{#2}}
19245 \fi}
19246 \renewcommand*\l@figure}[2]{%
19247 \ifnum \c@lofdepth >\z@
19248 \vskip \cftbeforefigskip
19249 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
19250 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19251 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19252 \parindent \cftfigindent\relax\@afterindenttrue
19253 \interlinepenalty\@M
19254 \leavevmode
19255 \@tempdima \cftfignumwidth\relax
19256 \let\@cftbsnum \cftfigpresnum
19257 \let\@cftasnum \cftfigaftersnum
19258 \let\@cftasnumb \cftfigaftersnumb
19259 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19260 {\cftfigfont #1}\nobreak
19261 \cftfigfillnum{#2}}
19262 \fi
19263 }
19264 \renewcommand*\l@table}[2]{%
19265 \ifnum\c@lotdepth >\z@
19266 \vskip \cftbeforetabskip
19267 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
19268 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19269 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19270 \parindent \cfttabindent\relax\@afterindenttrue
19271 \interlinepenalty\@M
19272 \leavevmode
19273 \@tempdima \cfttabnumwidth\relax
19274 \let\@cftbsnum \cfttabpresnum
19275 \let\@cftasnum \cfttabaftersnum
19276 \let\@cftasnumb \cfttabaftersnumb
19277 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19278 {\cfttabfont #1}\nobreak
19279 \cfttabfillnum{#2}}
19280 \fi
19281 }
19282 \renewcommand{\@cftl@subfig}{
19283 \renewcommand*\l@subfigure}[2]{%
19284 \ifnum \c@lofdepth > \toclevel@subfigure
19285 \vskip \cftbeforesubfigskip
19286 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
19287 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19288 \parfillskip -\if@RTL\leftskip\else\rightskip\fi

```



```

19289 \parindent \cftsubfigindent\relax\@afterindenttrue
19290 \interlinepenalty\@M
19291 \leavevmode
19292 \@tempdima \cftsubfignumwidth\relax
19293 \let\@cftbsnum \cftsubfigpresnum
19294 \let\@cftasnum \cftsubfigaftersnum
19295 \let\@cftasnumb \cftsubfigaftersnumb
19296 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19297 {\cftsubfigfont ##1}\nobreak
19298 \cftsubfigfillnum{##2}}
19299 \fi
19300 }
19301 }
19302 \renewcommand{\@cftl@subtab}{
19303 \renewcommand*\@l@subtable}[2]{%
19304 \ifnum \c@lotdepth > \toclevel@subtable
19305 \vskip \cftbeforesubtabskip
19306 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
19307 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19308 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19309 \parindent \cftsubtabindent\relax\@afterindenttrue
19310 \interlinepenalty\@M
19311 \leavevmode
19312 \@tempdima \cftsubtabnumwidth\relax
19313 \let\@cftbsnum \cftsubtabpresnum
19314 \let\@cftasnum \cftsubtabaftersnum
19315 \let\@cftasnumb \cftsubtabaftersnumb
19316 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19317 {\cftsubtabfont ##1}\nobreak
19318 \cftsubtabfillnum{##2}}
19319 \fi
19320 }
19321 }
19322 \renewcommand{\newlistentry}[4][\@empty]{%
19323 \@ifundefined{c@#2}{% check & set the counter
19324 \ifx \@empty#1\relax
19325 \newcounter{#2}
19326 \else
19327 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
19328 {#1 has no counter for use as a `within'}
19329 \newcounter{#2}}%
19330 {\newcounter{#2}[#1}%
19331 \expandafter\edef\csname the#2\endcsname{%
19332 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}
19333 \fi
19334 \setcounter{#2}{0}
19335 }
19336 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19337
19338 \@namedef{l@#2}##1##2{%

```



```

19339 \ifnum \@nameuse{c@#3depth} > #4\relax
19340 \vskip \@nameuse{cftbefore#2skip}
19341 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
19342 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19343 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19344 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19345 \interlinepenalty\@M
19346 \leavevmode
19347 \@tempdima \@nameuse{cft#2numwidth}\relax
19348 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
19349 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19350 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19351 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\right
19352 {\@nameuse{cft#2font}##1}\nobreak
19353 \@nameuse{cft#2fillnum}{##2}}
19354 \fi
19355 } % end of \l@#2
19356
19357 \expandafter\newlength\csname cftbefore#2skip\endcsname
19358 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2p@}
19359 \expandafter\newlength\csname cft#2indent\endcsname
19360 \expandafter\newlength\csname cft#2numwidth\endcsname
19361 \ifcase #4\relax % 0
19362 \setlength{\@nameuse{cft#2indent}}{0em}
19363 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19364 \or % 1
19365 \setlength{\@nameuse{cft#2indent}}{1.5em}
19366 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19367 \or % 2
19368 \setlength{\@nameuse{cft#2indent}}{3.8em}
19369 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19370 \or % 3
19371 \setlength{\@nameuse{cft#2indent}}{7.0em}
19372 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19373 \else % anything else
19374 \setlength{\@nameuse{cft#2indent}}{10.0em}
19375 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19376 \fi
19377 \@namedef{cft#2font}{\normalfont}
19378 \@namedef{cft#2presnum}{}
19379 \@namedef{cft#2aftersnum}{}
19380 \@namedef{cft#2aftersnumb}{}
19381 \@namedef{cft#2dotsep}{\cftdotsep}
19382 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19383 \@namedef{cft#2pagefont}{\normalfont}
19384 \@namedef{cft#2afterpnum}{}
19385 \@namedef{toclevel@#2}{#4}
19386 \@namedef{cft#2fillnum}##1{%
19387 {\@nameuse{cft#2leader}}\nobreak
19388 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}

```



```

19389 } % end \newlistentry
19390 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
19391   {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19392   \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19393   \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
19394   \textit{#1}\protect\par}}}

```

## 122 File tocbasic-xetex-bidi.def

```

19395 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package ]
19396 \bidi@undef\scr@dte@def@1@undottedtocline
19397 \bidi@undef\scr@dte@undottedtocline@init
19398 \DeclareTOCEntryStyle{undottedtocline}{%
19399   \DefineTOCEntryLengthOption{indent}%
19400     {scr@tso@}{@indent}{entry indent}%
19401   \DefineTOCEntryLengthOption{numwidth}%
19402     {scr@tso@}{@numwidth}{entry number width}%
19403   \@ifundefined{#1tocdepth}{%
19404     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19405     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19406     \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19407     \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19408     \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19409     \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19410     \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19411     \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19412     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19413     \expandafter\let\csname #1tocdepth\expandafter\endcsname
19414     \csname #1numdepth\endcsname
19415     }%
19416     }%
19417     }%
19418     }%
19419     }%
19420     }%
19421     }%
19422     }%
19423     }%
19424   }{}%
19425   \@ifundefined{scr@tso@#1@indent}{%
19426     \@ifundefined{scr@#1@tocindent}{%
19427     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19428     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19429     \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19430     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19431     \scr@ifundefinedorrelax{1@chapter}{%
19432     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19433     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19434     \ifstr{#1}{subsubsection}{%
19435     \@namedef{scr@tso@#1@indent}{3.8em}}%

```





```

19436         }{%
19437         \ifstr{#1}{paragraph}{%
19438             \@namedef{scr@tso@#1@indent}{7em}%
19439         }{%
19440             \ifstr{#1}{subparagraph}{%
19441                 \@namedef{scr@tso@#1@indent}{10em}%
19442             }{%
19443             }%
19444         }%
19445     }%
19446 }%
19447 }%
19448 }{%
19449     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19450         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19451             \ifstr{#1}{subsubsection}{%
19452                 \@namedef{scr@tso@#1@indent}{7.0em}%
19453             }{%
19454                 \ifstr{#1}{paragraph}{%
19455                     \@namedef{scr@tso@#1@indent}{10em}%
19456                 }{%
19457                     \ifstr{#1}{subparagraph}{%
19458                         \@namedef{scr@tso@#1@indent}{12em}%
19459                     }{%
19460                     }%
19461                 }%
19462             }%
19463         }%
19464     }%
19465 }%
19466 }%
19467 }%
19468 }%
19469 }%
19470 }{%
19471     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19472 }%
19473 }{}%
19474 \@ifundefined{scr@tso@#1@numwidth}{%
19475     \@ifundefined{scr@#1@tocnumwidth}{%
19476         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19477             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19478                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19479                     \scr@ifundefinedorrelax{chapter}{%
19480                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19481                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19482                                 \ifstr{#1}{subsubsection}{%
19483                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
19484                                 }{%
19485                                     \ifstr{#1}{paragraph}{%

```



```

19486         \@namedef{scr@tso@#1@numwidth}{4.1em}%
19487     }{%
19488         \ifstr{#1}{subparagraph}{%
19489             \@namedef{scr@tso@#1@numwidth}{5m}%
19490         }{%
19491     }%
19492 }%
19493 }%
19494 }%
19495 }%
19496 }{%
19497     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19498     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19499     \ifstr{#1}{subsubsection}{%
19500         \@namedef{scr@tso@#1@numwidth}{3.1em}%
19501     }{%
19502     \ifstr{#1}{paragraph}{%
19503         \@namedef{scr@tso@#1@numwidth}{5em}%
19504     }{%
19505     \ifstr{#1}{subparagraph}{%
19506         \@namedef{scr@tso@#1@numwidth}{6em}%
19507     }{%
19508     }%
19509     }%
19510     }%
19511     }%
19512     }%
19513     }%
19514     }%
19515     }%
19516     }%
19517 }{%
19518     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19519 }%
19520 }{}%
19521 }]{%
19522 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19523 \ifnum \@nameuse{#1tocdepth}<\@ne
19524 \scr@ifundefinedorrelax{chapter}{%
19525     \addpenalty\secpenalty
19526     \advspace{1.0em \@plus\p@}%
19527 }{%
19528     \addpenalty{-\@highpenalty}%
19529     \vskip 1.0em \@plus\p@
19530 }%
19531 \else
19532     \addpenalty\secpenalty
19533     \advspace{1.0em \@plus\p@}%
19534 \fi
19535 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%

```



```

19536 \begingroup
19537 \parindent \z@ \bidi@rightskip \@pnumwidth
19538 \parfillskip -\@pnumwidth
19539 \leavevmode
19540 \bfseries
19541 \advance\bidi@leftskip\@tempdima
19542 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19543 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19544 ##1%
19545 \nobreak
19546 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19547 \par
19548 \penalty\@highpenalty
19549 \endgroup
19550 \fi
19551 }
19552
19553 \bidi@undef\scr@dte@def@l@targetocline
19554 \bidi@undef\scr@dte@targetocline@init
19555 \DeclareTOCEntryStyle{targetocline}[{%
19556 \DefineTOCEntryLengthOption[indent]%
19557 {scr@tso@}{@indent}{entry indent}%
19558 \@ifundefined{#1tocdepth}{%
19559 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19560 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19561 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19562 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19563 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19564 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19565 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19566 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19567 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19568 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19569 \csname #1numdepth\endcsname
19570 }%
19571 }%
19572 }%
19573 }%
19574 }%
19575 }%
19576 }%
19577 }%
19578 }%
19579 }{}%
19580 \@ifundefined{scr@tso@#1@indent}{%
19581 \@ifundefined{scr@#1@tocindent}{%
19582 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19583 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19584 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19585 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%

```



```

19586 \scr@ifundefinedorrelax{1@chapter}{%
19587 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19588 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19589 \ifstr{#1}{subsubsection}{%
19590 \@namedef{scr@tso@#1@indent}{3.8em}%
19591 }{%
19592 \ifstr{#1}{paragraph}{%
19593 \@namedef{scr@tso@#1@indent}{7em}%
19594 }{%
19595 \ifstr{#1}{subparagraph}{%
19596 \@namedef{scr@tso@#1@indent}{10em}%
19597 }{%
19598 }%
19599 }%
19600 }%
19601 }%
19602 }%
19603 }{%
19604 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19605 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19606 \ifstr{#1}{subsubsection}{%
19607 \@namedef{scr@tso@#1@indent}{7.0em}%
19608 }{%
19609 \ifstr{#1}{paragraph}{%
19610 \@namedef{scr@tso@#1@indent}{10em}%
19611 }{%
19612 \ifstr{#1}{subparagraph}{%
19613 \@namedef{scr@tso@#1@indent}{12em}%
19614 }{%
19615 }%
19616 }%
19617 }%
19618 }%
19619 }%
19620 }%
19621 }%
19622 }%
19623 }%
19624 }%
19625 }{%
19626 \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19627 }%
19628 }{%
19629 }]{%
19630 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19631 \ifnum \@nameuse{#1tocdepth}<\@ne
19632 \scr@ifundefinedorrelax{chapter}{%
19633 \addpenalty\@secpenalty
19634 \addvspace{2.25em \@plus\p@}%
19635 }{%

```



```

19636     \addpenalty{-\@highpenalty}%
19637     \addvspace{2.25em \@plus\p@}%
19638   }%
19639 \else
19640   \addpenalty\@secpenalty
19641   \addvspace{2.25em \@plus\p@}%
19642 \fi
19643 \setlength\@tempdima{3em}%
19644 \begingroup
19645   \parindent \z@ \bidi@rightskip \@pnumwidth
19646   \parfillskip -\@pnumwidth
19647   \leavevmode
19648   \large
19649   \bfseries
19650   \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19651   ##1%
19652   \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19653   \par
19654   \nobreak
19655   \ifnum 0=
19656     \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19657     \global\@nobreaktrue
19658     \everypar{\global\@nobreakfalse\everypar{}}%
19659   \fi
19660 \endgroup
19661 \fi
19662 }
19663
19664 \renewcommand*{\scr@dte@tocline}[3]{%
19665   \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19666   \else
19667     \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19668     \addvspace{\@nameuse{scr@tso@#1@beforeskip}}\relax
19669     {%
19670       \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
19671       \bidi@rightskip \@tocrmarg
19672       \parfillskip -\bidi@rightskip
19673       \@nameuse{Ifscr@tso@#1@raggedpage}{%
19674         \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19675       }{}%
19676       \parindent \@nameuse{scr@tso@#1@indent}\relax
19677       \@afterindenttrue
19678       \interlinepenalty\@M
19679       \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19680         \addtolength\bidi@rightskip\@flushglue
19681       \else
19682         \def\reserved@a{\raggedright}%
19683         \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19684           \addtolength\bidi@rightskip\@flushglue
19685         \else

```



```

19686         \renewcommand\reserved@a{\raggedright}%
19687         \expandafter\ifx\cscname ragged#1entry\endcsname\reserved@a
19688         \addtolength\bidirightskip\@flushglue
19689     \fi
19690 \fi
19691 \fi
19692 \leavevmode
19693 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19694 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19695     \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{-%
19696         \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19697         \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19698     \fi
19699 }%
19700 }{}%
19701 \advance\bidileftskip \@tempdima
19702 \null\nobreak\hskip -\bidileftskip
19703 {%
19704     \usetocbasicnumberline
19705     \let\scr@dte@numberline@box\numberline@box
19706     \def\numberline@box##1{%
19707         \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}{##1}}%
19708         \global\scr@dte@tocline@numberwidth
19709         \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19710         \ifdim \scr@dte@tocline@numberwidth
19711             >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19712         \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19713     \fi
19714     \@nameuse{Ifscr@tso@#1@dynnumwidth}{-%
19715         \ifdim \scr@dte@tocline@numberwidth
19716             >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19717                 +\@nameuse{scr@tso@#1@numsep}\relax
19718         \PackageWarning{tocbasic%
19719 }{%
19720     number width of #1 toc entries should be
19721     increased!\MessageBreak
19722     Currently used number width =
19723     \the\wd\scr@dte@tocline@numbox,\MessageBreak
19724     Wanted number separation
19725     \space\space\space =
19726     \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19727     Reserved number width \space\space\space\space\space\space =
19728     \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19729 }%
19730 \fi
19731 }%
19732 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}{##1}}%
19733 \@nameuse{Ifscr@tso@#1@breakafternumber}{%
19734     {\parfillskip\@flushglue\par}\nobreak\hskip-\bidileftskip
19735 }{}%

```



```

19736     }%
19737     \@nameuse{scr@tso@#1@entryformat}{%
19738         #2%
19739         \nobreak
19740         {%
19741             \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}%
19742             \nobreak
19743             \@nameuse{scr@tso@#1@pagenumberbox}{%
19744                 \@nameuse{scr@tso@#1@pagenumberformat}{#3}%
19745             }%
19746         }%
19747     \@par
19748 }%
19749 }%
19750 }%
19751 \tocbasic@SetPenaltyByTOCLevel{#1}%
19752 \fi
19753 }
19754
19755 \bidi@undef\scr@dte@def@1@tocline
19756 \bidi@undef\scr@dte@tocline@init
19757 \DeclareTOCEntryStyle{tocline} [{%
19758     \DefineTOCEntryLengthOption{beforeskip}%
19759     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19760     \DefineTOCEntryIfOption{breakafternumber}%
19761     {scr@tso@}{@breakafternumber}{line break after number flag}%
19762     \DefineTOCEntryIfOption{dynnumwidth}%
19763     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19764     \DefineTOCEntryCommandOption{entryformat}%
19765     {scr@tso@}{@entryformat}[1]{entry format}%
19766     \DefineTOCEntryCommandOption{entrynumberformat}%
19767     {scr@tso@}{@numberformat}[1]{entry number format}%
19768     \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19769     {scr@tso@}{@linefill}{filling between text and page number}%
19770     \DefineTOCEntryLengthOption{numsep}%
19771     {scr@tso@}{@numsep}{entry number separation}%
19772     \DefineTOCEntryCommandOption{onstarthigherlevel}%
19773     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19774     \DefineTOCEntryCommandOption{onstartlowerlevel}%
19775     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19776     \DefineTOCEntryCommandOption{onstartsamelevel}%
19777     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19778     \DefineTOCEntryCommandOption{pagenumberbox}%
19779     {scr@tso@}{@pagenumberbox}[1]{page number box}%
19780     \DefineTOCEntryCommandOption{pagenumberformat}%
19781     {scr@tso@}{@pagenumberformat}[1]{page number format}%
19782     \DefineTOCEntryOption{raggedentrytext}[true]{%
19783         \FamilySetBool{KOMAarg}{raggedentrytext}{@tempswa}{##1}%
19784         \ifx\FamilyKeyState\FamilyKeyStateProcessed
19785             \if@tempswa

```



```

19786     \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19787     \raggedright
19788     \else
19789     \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19790     \relax
19791     \fi
19792     \fi
19793     }%
19794     \DefineTOCEntryIfOption{raggedpagenumber}%
19795     {scr@tso@}{@raggedpage}{page number ragged flag}%
19796     \DefineTOCEntryLengthOption{indent}%
19797     {scr@tso@}{@indent}{entry indent}%
19798     \DefineTOCEntryLengthOption{numwidth}%
19799     {scr@tso@}{@numwidth}{entry number width}%
19800     \scr@ifundefinedorrelax{#1tocdepth}{%
19801     \ifstrstart{#1}{sub}{%
19802     \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%
19803     \expandafter\edef\csname #1tocdepth\endcsname{%
19804     \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19805     }%
19806     }%
19807     }{}%
19808     }{}%
19809     \@ifundefined{#1tocdepth}{%
19810     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19811     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19812     \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19813     \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19814     \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19815     \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19816     \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19817     \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19818     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19819     \expandafter\let\csname #1tocdepth\endcsname
19820     \csname #1numdepth\endcsname
19821     }%
19822     }%
19823     }%
19824     }%
19825     }%
19826     }%
19827     }%
19828     }%
19829     }{}%
19830     }{}%
19831     \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19832     \@ifundefined{scr@#1@tocindent}{%
19833     \ifstrstart{#1}{sub}{%
19834     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19835     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{%

```





```

19836         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19837             \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%
19838             \relax
19839         }%
19840     }%
19841 }{%
19842     \scr@ifundefinedorrelax{scr@tso@scr@dte@nosub{#1}@numwidth}{%
19843         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19844             \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@indent}%
19845             \relax
19846         }%
19847     }{%
19848         \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19849             \glueexpr \noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@indent}%
19850             +\noexpand\@nameuse{scr@tso@scr@dte@nosub{#1}@numwidth}%
19851             \relax
19852         }%
19853     }%
19854 }%
19855 }{}%
19856 }{%
19857     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19858 }%
19859 }{}%
19860 \@ifundefined{scr@tso@#1@indent}{%
19861     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19862     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19863     \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19864     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19865     \scr@ifundefinedorrelax{l@chapter}{%
19866     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{Opt}}{%
19867     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19868     \ifstr{#1}{subsubsection}{%
19869     \@namedef{scr@tso@#1@indent}{3.8em}%
19870     }{%
19871     \ifstr{#1}{paragraph}{%
19872     \@namedef{scr@tso@#1@indent}{7em}%
19873     }{%
19874     \ifstr{#1}{subparagraph}{%
19875     \@namedef{scr@tso@#1@indent}{10em}%
19876     }{%
19877     }%
19878     }%
19879     }%
19880     }%
19881     }%
19882     }{%
19883     \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19884     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19885     \ifstr{#1}{subsubsection}{%

```



```

19886         \@namedef{scr@tso@#1@indent}{7.0em}%
19887     }{%
19888         \ifstr{#1}{paragraph}{%
19889             \@namedef{scr@tso@#1@indent}{10em}%
19890         }{%
19891             \ifstr{#1}{subparagraph}{%
19892                 \@namedef{scr@tso@#1@indent}{12em}%
19893             }{%
19894                 }%
19895             }%
19896         }%
19897     }%
19898 }%
19899 }%
19900 }%
19901 }%
19902 }%
19903 }%
19904 }{}%
19905 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19906     \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19907         \ifstrstart{#1}{sub}{%
19908             \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{}%
19909             \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19910                 \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19911                     +.9em%
19912             }%
19913         }%
19914     }%
19915 }{}%
19916 }{%
19917     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19918 }%
19919 }{}%
19920 \@ifundefined{scr@tso@#1@numwidth}{%
19921     \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19922     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19923     \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19924     \scr@ifundefinedorrelax{chapter}{%
19925         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19926         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19927         \ifstr{#1}{subsubsection}{%
19928             \@namedef{scr@tso@#1@numwidth}{3.2em}%
19929         }%
19930         \ifstr{#1}{paragraph}{%
19931             \@namedef{scr@tso@#1@numwidth}{4.1em}%
19932         }{%
19933             \ifstr{#1}{subparagraph}{%
19934                 \@namedef{scr@tso@#1@numwidth}{5m}%
19935             }%

```



```

19936         }%
19937     }%
19938 }%
19939     }%
19940 }%
19941 }{%
19942     \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19943     \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19944     \ifstr{#1}{subsubsection}{%
19945     \@namedef{scr@tso@#1@numwidth}{3.1em}%
19946     }{%
19947     \ifstr{#1}{paragraph}{%
19948     \@namedef{scr@tso@#1@numwidth}{5em}%
19949     }{%
19950     \ifstr{#1}{subparagraph}{%
19951     \@namedef{scr@tso@#1@numwidth}{6em}%
19952     }{%
19953     }%
19954     }%
19955     }%
19956     }%
19957     }%
19958     }%
19959     }%
19960     }%
19961     }%
19962 }{%
19963 \expandafter\renewcommand%
19964 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19965 \expandafter\renewcommand%
19966 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19967 \expandafter\renewcommand%
19968 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19969 \@ifundefined{scr@tso@#1@beforeskip}{%
19970     \ifstr{#1}{part}{%
19971     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19972     }{%
19973     \ifstr{#1}{chapter}{%
19974     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19975     }{%
19976     \ifstr{#1}{section}{%
19977     \scr@ifundefinedorrelax{1@chapter}{%
19978     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19979     }{}%
19980     }{}%
19981     }%
19982     }%
19983     \expandafter\renewcommand\expandafter*%
19984     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19985 }{}%

```



```

19986 \@ifundefined{scr@dte@#1@maxnumwidth}{%
19987   \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19988   \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19989 }{}%
19990 \renewcommand*{\scr@dte@donumwidth}{}%
19991 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19992 \expandafter\renewcommand\expandafter*%
19993 \csname scr@tso@#1@numsep\endcsname{.4em}%
19994 \expandafter\renewcommand%
19995 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
19996 \ifstr{#1}{part}{%
19997   \expandafter\renewcommand%
19998   \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
19999 }{}%
20000 \ifstr{#1}{chapter}{%
20001   \expandafter\renewcommand%
20002   \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20003 }{}%
20004 \scr@ifundefinedorrelax{1@chapter}{%
20005   \ifstr{#1}{section}{%
20006     \expandafter\renewcommand%
20007     \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
20008   }{}%
20009 }{}%
20010 \expandafter\renewcommand%
20011 \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
20012 }%
20013 }%
20014 \expandafter\renewcommand
20015 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
20016 \@ifundefined{scr@tso@#1@linefill}{%
20017   \ifstr{#1}{part}{%
20018     \@namedef{scr@tso@#1@linefill}{\hfill}%
20019   }{}%
20020   \ifstr{#1}{chapter}{%
20021     \@namedef{scr@tso@#1@linefill}{\hfill}%
20022   }{}%
20023   \scr@ifundefinedorrelax{1@chapter}{%
20024     \ifstr{#1}{section}{%
20025       \@namedef{scr@tso@#1@linefill}{\hfill}%
20026     }{}
20027   }{}
20028   \expandafter\renewcommand%
20029   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
20030 }%
20031 }%
20032 }{}%
20033 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
20034 \ifstr{#1}{part}{%
20035   \expandafter\renewcommand%

```



```

20036 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
20037 }{%
20038 \expandafter\renewcommand%
20039 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
20040 {\normalfont\normalcolor ##1}}%
20041 }%
20042 \expandafter\renewcommand%
20043 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
20044 \hb@xt@\@pnumwidth{\hfil ##1}}%
20045 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
20046 }]{%
20047 \scr@dte@tocline{#1}{##1}{##2}%
20048 }
20049

```

## 123 File tocstyle-xetex-bidi.def

```

20050 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]
20051 \renewcommand*{\tocstyle@dottedtocline}[5]{%
20052 \let\numberline\tocstyle@numberline
20053 \ifnum #1>\c@tocdepth \else
20054 \if@tocstyle@penalties
20055 \begingroup
20056 \@tempcnta 20010
20057 \advance \@tempcnta by -#1
20058 \ifnum \@tempcnta>\lastpenalty
20059 \aftergroup\penalty\aftergroup\@lowpenalty
20060 \fi
20061 \endgroup
20062 \fi
20063 \edef\tocstyledepth{#1}%
20064 \tocstyle@activate@features
20065 \ifx\tocstyle@feature@entryvskip\relax
20066 \vskip \z@ \@plus.2\p@
20067 \else
20068 \addvspace{\tocstyle@feature@entryvskip}%
20069 \fi
20070 {%
20071 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
20072 \tocstyle@feature@raggedhook
20073 \@tempdima #3\relax
20074 \@tempdimb #2\relax
20075 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20076 \ifnum #1>\z@\relax
20077 \@tempcnta #1\relax \advance\@tempcnta \m@ne
20078 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20079 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20080 \@tempdimb
20081 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20082 \advance\@tempdimb

```



```

20083         \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
20084         \fi
20085     \fi
20086 \fi
20087 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20088 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
20089     \ifdim \@tempdimb>
20090         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
20091         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20092             @#1\endcsname{\the\@tempdimb}%
20093     \fi
20094 \else
20095     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
20096         @#1\endcsname{\the\@tempdimb}%
20097 \fi
20098 \iftocstyle@autolength
20099     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20100         \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
20101         \relax
20102     \fi
20103     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20104         \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
20105         \relax
20106     \fi
20107     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20108     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20109 \else
20110     \@tempdimb #2\relax
20111     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20112 \fi
20113 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
20114     \ifdim \@tempdima>
20115         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
20116         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20117             @\endcsname{\the\@tempdima}%
20118     \fi
20119 \else
20120     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
20121         @\endcsname{\the\@tempdima}%
20122 \fi
20123 \ifcase\tocstyle@indentstyle\relax\else
20124     \@tempdimb \z@
20125     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20126         \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
20127         \relax
20128     \fi
20129     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
20130     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
20131 \fi
20132 \advance\parindent \@tempdimb\@afterindenttrue

```



```

20133 \advance\if@RTL\rightrightskip\else\leftskip\fi \parindent
20134 \advance\if@RTL\leftskip\else\rightrightskip\fi \@tocrmarg
20135 \parfillskip -\if@RTL\leftskip\else\rightrightskip\fi
20136 \ifx\tocstyle@feature@parfillskip\relax\else
20137 \advance\parfillskip \tocstyle@feature@parfillskip\relax
20138 \fi
20139 \interlinepenalty\@M
20140 \leavevmode
20141 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima
20142 \null\nobreak
20143 \iftocstyle@indentnotnumbered\else
20144 \hskip -\if@RTL\rightrightskip\else\leftskip\fi
20145 \fi
20146 \tocstyle@feature@entryhook
20147 {#4}\nobreak
20148 \ifx\tocstyle@feature@leaders\relax
20149 \leaders\hbox{${\m@th
20150 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}}%
20151 \mkern \@dotsep mu$}\hfill
20152 \else
20153 \tocstyle@feature@leaders
20154 \fi
20155 \nobreak
20156 \ifx\tocstyle@feature@pagenumberbox\relax
20157 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
20158 \else
20159 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
20160 \fi
20161 \par
20162 }%
20163 \iftocstyle@penalties
20164 \bgroup
20165 \@tempcnta 20009
20166 \advance\@tempcnta by -#1
20167 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
20168 \reserved@a
20169 \fi
20170 \fi}
20171 \renewcommand*{\tocstyle@numberline}[1]{%
20172 \beginngroup
20173 \ifx\tocstyle@feature@spaceafternumber\relax
20174 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
20175 \else
20176 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
20177 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
20178 \fi
20179 \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
20180 \ifdim \@tempdima >
20181 \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
20182 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC

```



```

20183         @\tocstyledepth\endcsname{\the\@tempdima}%
20184     \fi
20185     \else
20186         \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
20187         @\tocstyledepth\endcsname{\the\@tempdima}%
20188     \fi
20189 \endgroup
20190 \iftocstyle@indentnotnumbered
20191     \hskip -\if@RTL\rightskip\else\leftskip\fi
20192 \fi
20193 \ifcase \tocstyle@indentstyle
20194     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20195 \or
20196     \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
20197 \else
20198     \ifx\tocstyle@feature@spaceafternumber\relax
20199         \hbox{\tocstyle@@numberline{#1}\enskip}%
20200     \else
20201         \hbox{\tocstyle@@numberline{#1}\hskip
20202         \tocstyle@feature@spaceafternumber\relax}%
20203     \fi
20204 \fi
20205 }
20206 \AtBeginDocument{%
20207     \ifcsname l@part\endcsname
20208         \ifcsname l@chapter\endcsname
20209             \setbox\@tempboxa\vbox{\hsize\maxdimen
20210             \l@part{\tocstyle@l@define{part}{-1}}{}}%
20211         \else
20212             \setbox\@tempboxa\vbox{\hsize\maxdimen
20213             \l@part{\tocstyle@l@define{part}{0}}{}}%
20214         \fi
20215     \fi
20216     \ifcsname l@chapter\endcsname
20217         \setbox\@tempboxa\vbox{\hsize\maxdimen
20218         \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
20219     \fi
20220     \ifcsname l@section\endcsname
20221         \setbox\@tempboxa\vbox{\hsize\maxdimen
20222         \l@section{\tocstyle@l@define{section}{1}}{}}%
20223     \fi
20224     \ifcsname l@subsection\endcsname
20225         \setbox\@tempboxa\vbox{\hsize\maxdimen
20226         \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
20227     \fi
20228     \ifcsname l@subsubsection\endcsname
20229         \setbox\@tempboxa\vbox{\hsize\maxdimen
20230         \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
20231     \fi
20232     \ifcsname l@paragraph\endcsname

```





```

20233 \setbox\@tempboxa\vbox{\hsize\maxdimen
20234 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
20235 \fi
20236 \ifcsname l@subparagraph\endcsname
20237 \setbox\@tempboxa\vbox{\hsize\maxdimen
20238 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
20239 \fi
20240 \ifcsname l@table\endcsname
20241 \setbox\@tempboxa\vbox{\hsize\maxdimen
20242 \l@table{\tocstyle@l@define{table}{1}}{}}%
20243 \fi
20244 \ifcsname l@figure\endcsname
20245 \setbox\@tempboxa\vbox{\hsize\maxdimen
20246 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
20247 \fi
20248 \def\@tempa#1#2#3#4#5{%
20249 \ifnum #1>\c@tocdepth \else
20250 \vskip \z@ \@plus.2\p@
20251 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrm
20252 \parindent #2\relax\@afterindenttrue
20253 \interlinepenalty\M
20254 \leavevmode
20255 \@tempdima #3\relax
20256 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righ
20257 {#4}\nobreak
20258 \leaders\hbox{\$m@th
20259 \mkern \dotsep mu\hbox{.}\mkern \dotsep
20260 mu}\hfill
20261 \nobreak
20262 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
20263 \par}%
20264 \fi}%
20265 \ifx\@dottedtocline\@tempa\else
20266 \tocstyle@macrochangewarning\@dottedtocline
20267 \fi
20268 \let\tocstyle@saved@dottedtocline\@dottedtocline
20269 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
20270 \ifx\numberline\@tempa\else
20271 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
20272 \ifx\numberline\@tempa\else
20273 \tocstyle@macrochangewarning\numberline
20274 \fi
20275 \fi
20276 \let\tocstyle@saved@numberline\numberline
20277 }
20278 \renewcommand*{\tocstyle@l@define}[2]{%
20279 \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
20280 \edef\@tempa{%
20281 \noexpand\global\noexpand\let
20282 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname

```



```

20283 \expandafter\noexpand\csname l@#1\endcsname
20284 \noexpand\gdef
20285 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
20286 \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
20287 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@#1{%
20288 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
20289 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
20290 }%
20291 }%
20292 \PackageInfo{tocstyle}{prepare \expandafter\string
20293 \csname l@#1\endcsname\space for redefinition}%
20294 \@tempa
20295 }

```

## 124 File todonotes-xetex-bidi.def

```

20296 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
20297 \newif\if@bidi@todonotes@textdirection@RTL
20298 \newif\if@bidi@todonotes@figposition@right
20299 \newcommand{\@bidi@todonotes@align}{}%
20300 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
20301 \newcommand{\@bidi@todonotes@textdirection}{}%
20302 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
20303 \ifcase\@bidi@todonotes@tempb\relax
20304 \@bidi@todonotes@textdirection@RTLtrue
20305 \let\@bidi@todonotes@textdirection\RLE
20306 \or
20307 \@bidi@todonotes@textdirection@RTLfalse
20308 \let\@bidi@todonotes@textdirection\LRE
20309 \fi}
20310 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
20311 \ifcase\@bidi@todonotes@tempb\relax
20312 \@bidi@todonotes@figposition@righttrue
20313 \or
20314 \@bidi@todonotes@figposition@rightfalse
20315 \fi}
20316 \if@todonotes@disabled%
20317 \else % \if@todonotes@disabled
20318 \renewcommand{\@todonotes@drawInlineNote}{%
20319 \if@todonotes@dviStyle%
20320 {\par\noindent\begin{tikzpicture}[remember picture]%
20321 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20322 \if@todonotes@authorgiven%
20323 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20324 \else%
20325 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20326 \fi
20327 {\par\noindent\begin{tikzpicture}[remember picture]%
20328 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20329 \else%

```



```

20330         {\par\noindent\begin{tikzpicture}[remember picture]%
20331             \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20332             \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al
20333                 \if@todonotes@authorgiven%
20334                 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20335                 \else%
20336                 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20337                 \fi};%
20338             \end{tikzpicture}\par}%
20339     \fi}%
20340 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20341 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20342     \node [coordinate] (inText) {};%
20343 \end{tikzpicture}%
20344 \marginpar[{} Draw note in left margin
20345     \@todonotes@drawMarginNote%
20346     \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20347 ]{} Draw note in right margin
20348     \@todonotes@drawMarginNote%
20349     \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20350 }%
20351 }%
20352 \renewcommand{\@todonotes@drawMarginNote}{%
20353 \if@todonotes@dviStyle%
20354     \begin{tikzpicture}[remember picture]%
20355         \draw node[notestyle] {};%
20356     \end{tikzpicture}\%
20357 \begin{minipage}{\@todonotes@textwidth}%
20358     \if@todonotes@authorgiven%
20359         \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20360     \else%
20361         \@todonotes@sizecommand \@todonotes@text%
20362     \fi%
20363 \end{minipage}\%
20364 \begin{tikzpicture}[remember picture]%
20365     \draw node[notestyle] (inNote) {};%
20366 \end{tikzpicture}%
20367 \else%
20368     \let\originalHbadness\hbadness%
20369     \hbadness 100000%
20370 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20371     \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20372     \node(X){\vphantom{X}};%
20373     \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes
20374         {\@todonotes@text};%
20375     \if@todonotes@authorgiven%
20376         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon
20377             {\@todonotes@sizecommand\@todonotes@author};%
20378         \node(Y)[below=of X]{};%
20379         \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todon

```



```

20380             {\@todonotes@text};%
20381         \else%
20382             \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
20383         {\@todonotes@text};%
20384     \fi%
20385 \end{tikzpicture}%
20386 \hbadness \originalHbadness%
20387 \fi}%
20388 \renewcommand{\missingfigure}[2] []{%
20389 \setkeys{todonotes}{#1}%
20390 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20391 \par
20392 \noindent
20393 \begin{tikzpicture}
20394 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20395     (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20396 \if@bidi@todonotes@figposition@right%
20397 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20398 \fi%
20399 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20400     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20401 \if@bidi@todonotes@figposition@right%
20402 \end{scope}
20403 \begin{scope}[xshift=-3.8cm]
20404 \fi%
20405 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20406 \draw (2, -0.3) node[right, text
20407     width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
20408 \if@bidi@todonotes@figposition@right%
20409 \end{scope}
20410 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20411 \fi%
20412 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20413 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
20414 \if@bidi@todonotes@figposition@right%
20415 \end{scope}
20416 \fi%
20417 \end{tikzpicture}\hfill
20418 }% Ending \missingfigure command
20419 \fi % Ending \@todonotes@ifdisabled
20420 \presetkeys%
20421     {todonotes}%
20422     {align=left,%
20423     textdirection=lefttoright,%
20424     figposition=left}{}%

```

## 125 File wrapfig-xetex-bidi.def

```

20425 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for xetex]
20426 \let\WF@@everypar\@everypar

```



```

20427 \def\WF@putfigmaybe{%
20428 \ifinner
20429 \vskip-\parskip \global\WF@floatfalse
20430 \let\pagetotal\maxdimen % kludge flag for "not top of page"
20431 \else % outer page
20432 \@tempdima\pagedepth % save page depth
20433 {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20434 \penalty\interlinepenalty % update pg. parameters
20435 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20436 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20437 \global\WF@floatfalse
20438 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20439 \else
20440 \ifdim\WF@size>\@tempdimb
20441 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20442 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20443 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20444 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
20445 \advance\dimen@.5\baselineskip
20446 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20447 \global\WF@floatfalse \pagebreak
20448 \fi
20449 \else % \WF@info{Fits in \the\@tempdimb;}%
20450 \global\WF@floatfalse
20451 \fi\fi
20452 \vskip\@tempdima\relax % (return erased page depth)
20453 \fi
20454 \noindent
20455 \ifWF@float
20456 \WF@fltmes
20457 \else % putting here;
20458 \WF@info{Put \WF@wfname here;}%
20459 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
20460 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20461 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20462 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20463 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20464 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20465 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20466 \xdef\WF@adjlw{\the\@tempdima}%
20467 \ifnum `l=\WF@place % fig on left
20468 \ifRTL%
20469 \kern\@tempdimb \kern\columnsep
20470 \def\@tempa{\hss}% position to left of the gap
20471 \else%
20472 \hss % figure overlaps space to the left
20473 \def\@tempa{\kern\columnsep}% position to left of the gap
20474 \fi%
20475 \else % fig on right
20476 \ifRTL%

```



```

20477     \hss
20478     \@tempdima\z@
20479     \def\@tempa{\kern\columnsep}
20480     \else%
20481     \@tempdima\z@ % no left indentation
20482     \kern\@tempdimb \kern\columnsep
20483     \def\@tempa{\hss}% figure overlaps space to the right
20484     \fi%
20485     \fi
20486     \ifdim\@tempdimb<\hsize
20487     \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20488     \xdef\WF@adjtlm{\the\@tempdima}%
20489     \else
20490     \xdef\WF@wrapil{\z@ \the\hsize}%
20491     \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
20492     \fi
20493     \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20494     \global\advance\WF@size-\intextsep
20495     \else % \WF@info{Putting \WF@wfname in middle of page}%
20496     \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20497     \fi \dp\WF@box\z@ \box\WF@box \@tempa
20498 }% end \hbox to Opt
20499 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20500 \fi}

```

## 126 File xcolor-xetex-bidi.def

```

20501 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for ]
20502 \long\def\color@b@x#1#2#3%
20503 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20504 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20505 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20506 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20507 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
20508 \def\normalcolor{\let\currentcolor\defaultcolor\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20509 \DeclareRobustCommand\color
20510 {\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi@ifnextchar[\@undeclaredcolor\@declaredcolor]}
20511 \def\@undeclaredcolor[#1]#2%
20512 {\begingroup
20513 \let\@c@cls\@empty
20514 \XC@getmodclr12{#1}{#2}{}%
20515 {\ifblendcolors
20516 \ifx\colorblend\@empty\else
20517 \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20518 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
20519 \fi
20520 \fi
20521 \ifconvertcolorsU
20522 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20523 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp}

```



```

20524 \fi
20525 \ifmaskcolors
20526   \convertcolorspec\@mod\@clr\XC@mmod\@clr
20527   \let\@mod\XC@mmod
20528   \XC@inflate\@mod\XC@mclr\@clr\@tmp
20529   \expandafter\XC@mul\@tmp,\@clr
20530 \fi
20531 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20532 \expandafter\endgroup\@tmp}}
20533 \def\@declaredcolor#1%
20534 { \XC@edef\XC@tmp{#1}\XC@@tstfalse
20535  \ifcase\XC@type\XC@tmp\relax \XC@@tsttrue\or \relax\else
20536   \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
20537   \ifconvertcolorsU\XC@@tsttrue\fi
20538 \fi
20539 \ifXC@@tst
20540   \expandafter\XC@declaredcolor\else
20541   \expandafter\XC@declaredcolor\fi}
20542 \def\XC@undeclaredcolor#1#2%
20543 {\@ifundefinedmodel{#1}%
20544  {\c@lor@error{model `#1'}}%
20545  {\@nameuse{color@#1}\current@color{#2}}%
20546   \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
20547   \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20548 \def\XC@declaredcolor
20549 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}}%
20550 \edef\current@color{\XC@current@color}%
20551 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20552 \DeclareRobustCommand\bidicolor
20553 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20554 \def\@bidiundeclaredcolor[#1]#2%
20555 {\begingroup
20556  \let\@cls\@empty
20557  \XC@getmodclr12{#1}{#2}{}%
20558  {\ifblendcolors
20559   \ifx\colorblend\@empty\else
20560    \edef\@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20561    \XC@coremodel\@mod\@clr\@xcolor@{\}\@mod\@clr
20562   \fi
20563  \fi
20564  \ifconvertcolorsU
20565   \edef\@tmp{\XC@tgt@mod{\@mod}}%
20566   \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20567  \fi
20568  \ifmaskcolors
20569   \convertcolorspec\@mod\@clr\XC@mmod\@clr
20570   \let\@mod\XC@mmod
20571   \XC@inflate\@mod\XC@mclr\@clr\@tmp
20572   \expandafter\XC@mul\@tmp,\@clr
20573  \fi

```



```

20574 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
20575 \expandafter\endgroup\@tmp}}
20576 \def\XC@bidiundeclaredcolor#1#2%
20577 {\ifundefinedmodel{#1}%
20578 {\color@error{model `#1'}}%
20579 {\@nameuse{color@#1}\current@color{#2}}%
20580 \edef\XC@current@color{\noexpand\xcolor@{\current@color}{#1}{#2}}%
20581 \XC@display}}
20582 \def\@bidideclaredcolor#1%
20583 {\XC@edef\XC@tmp{#1}\XC@@tstfalse
20584 \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
20585 \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
20586 \ifconvertcolors\XC@@tsttrue\fi
20587 \fi
20588 \ifXC@@tst
20589 \expandafter\XC@bidideclaredcolor\else
20590 \expandafter\XC@bidideclaredcolor\fi}
20591 \def\XC@bidideclaredcolor
20592 {\XC@split\XC@tmp
20593 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
20594 \expandafter\endgroup\@tmp}
20595 \def\XC@bidideclaredcolor
20596 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}}%
20597 \edef\current@color{\XC@current@color}%
20598 \XC@display}
20599 \def\color@b@x#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20600 \def\color@fb@x#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20601 \def\color@fb@x#1#2#3#4%
20602 {\color@b@x{\fb@xsep\z@\bidicolor#1{#2}\XC@fb@x}%
20603 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20604 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\setcolor\ifhmode

```

## 127 File latex-xetex-bidi.def

```

20605 \ProvidesFile{latex-xetex-bidi.def}[2019/03/03 v1.3.7 bidi adaptations for `latex.ltx' for Xe
20606 \newcommand{\TeXeTOn}{\TeXeTstate@ne}
20607 \newcommand{\TeXeTOff}{\TeXeTstate@z@}
20608 \TeXeTOn
20609 \def\bidi@RTL@everypar{\setbox\z@\lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@}
20610 \let\bidi@o@everypar=\everypar
20611 \newtoks\bidi@n@everypar
20612 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20613 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20614 \let\everypar=\bidi@n@everypar
20615 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20616 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20617 \protected\def\hboxR{\hbox\bgroup
20618 \everyhbox{%
20619 \aftergroup\egroup
20620 \everyhbox{}}%

```





```

20621 \beginR
20622 \@hboxRconstructtrue
20623 \bgroup
20624 \aftergroup\endR
20625 \aftergroup\egroup
20626 }\hbox}
20627 \protected\def\hboxL{\hbox\bgroup
20628 \everyhbox{%
20629 \aftergroup\egroup
20630 \everyhbox{}}%
20631 \beginL
20632 \@hboxRconstructfalse
20633 \bgroup
20634 \aftergroup\endL
20635 \aftergroup\egroup
20636 }\hbox}
20637 \protected\def\vboxR{\vbox\bgroup
20638 \everyvbox{%
20639 \aftergroup\egroup
20640 \everyvbox{}}%
20641 \@RTLtrue
20642 \@RTLtabtrue
20643 \bgroup
20644 \aftergroup\egroup
20645 }\vbox}
20646 \protected\def\vboxL{\vbox\bgroup
20647 \everyvbox{%
20648 \aftergroup\egroup
20649 \everyvbox{}}%
20650 \@RTLfalse
20651 \@RTLtabfalse
20652 \bgroup
20653 \aftergroup\egroup
20654 }\vbox}
20655 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
20656 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
20657 \def\LTR{\par@RTLfalse@RTL@footnotefalse@RTLtabfalse\hsize\linewidth\parshape\z@}
20658 \def\endLTR{\par}
20659 \newenvironment{LTR*}{\LTR
20660 \everypar{%
20661   {\setbox\z@\lastbox
20662     \ifvoid\z@
20663       \kern-\parindent
20664     \fi}%
20665 }%
20666 }{\endLTR@endpetrue}
20667 \def\RTL{\par@RTLtrue@RTL@footnotetrue@RTLtabtrue\hsize\linewidth\parshape\z@}
20668 \def\endRTL{\par}
20669 \newenvironment{RTL*}{\RTL
20670 \everypar{%

```



```

20671   {\setbox\z@\lastbox
20672     \ifvoid\z@
20673       \kern-\parindent
20674     \fi}%
20675   }%
20676 }{\endRTL\@endptrue}
20677 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTL@tabtrue}
20678 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTL@tabfalse}
20679 \let\unsetRTL=\setLTR
20680 \let\unsetLTR=\setRTL
20681 \let\LR=\LRE
20682 \let\RL=\RLE
20683 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20684 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20685 \let\@ensure@RL=\@ensure@RTL
20686 \let\@ensure@LR=\@ensure@LTR
20687 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20688 \let\@ensure@maindir=\@ensure@dir
20689 \def\@@RTL{RTL}
20690 \def\@@LTR{LTR}
20691 \def\save@dir{\if@RTL\gdef\save@@@dir{RTL}\else\gdef\save@@@dir{LTR}\fi}
20692 \def\reset@dir{\ifx\save@@@dir\@@RTL\setRTL\else\ifx\save@@@dir\@@LTR\setLTR\else\relax\fi\fi}
20693 \let\@@TeX\TeX
20694 \def\TeX{\@ensure@LTR{\@@TeX}}
20695 \let\@@LaTeX\LaTeX
20696 \def\LaTeX{\@ensure@LTR{\@@LaTeX}}
20697 \let\@@LaTeXe\LaTeXe
20698 \def\LaTeXe{\@ensure@LTR{\@@LaTeXe}}
20699 \long\def\bidi@reflect@box#1{%
20700   \leavevmode
20701   \setbox\z@\hbox{#{#1}}%
20702   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20703   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
20704 }
20705 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
20706   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em\TeX}}$}
20707 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
20708   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em\LaTeX}}$}
20709 \let\setRL=\setRTL
20710 \let\setLR=\setLTR
20711 \let\unsetRL=\setLTR
20712 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
20713 \def\bidi@tabular@LTRcases{\let\@halignto\@empty\@bidi@tabular@LTRcases}
20714 \def\@bidi@tabular@RTLcases{\@RTL@tabtrue%
20715   \leavevmode
20716   \hbox \bgroup $\left.\col@sep\tabc@sep \let\d@llarbegin\begin\group
20717     \let\d@llarend\end\group
20718   \@tabarray}
20719 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20720 }{%
```



```

20721 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20722   \leavevmode \hbox \bgroup
20723   $\left.\let\@acol\@tabacol
20724   \let\@classz\@tabclassz
20725   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20726
20727 \def\endbidi@tabular@RTLcases{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
20728   \egroup\right\rbrace $\egroup}}
20729 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20730   \ialign{##\hfil$&\quad{##}\hfil\crcr#1\crcr}}\,\right\}}
20731 \renewenvironment{RTLcases}{%
20732   \bidi@matrix@check\RTLcases\env@RTLcases
20733 }{%
20734   \endbidi@tabular@RTLcases%
20735 }
20736 \def\env@RTLcases{%
20737   \let\@ifnextchar\bidi@new@ifnextchar
20738   \def\arraystretch{1.2}%
20739   \bidi@tabular@RTLcases{\@{}r@{\quad}r@{}}%
20740 }
20741 \def\SepMark#1{\gdef\@SepMark{#1}}
20742 \SepMark{.}
20743 \def\@thmcountersep{\@SepMark}
20744 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20745 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20746 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20747 \newcommand*\bidi@thebibliography@font@hook{}
20748 \def\list#1#2{%
20749   \ifnum \@listdepth >5\relax
20750     \@toodeep
20751   \else
20752     \global\advance\@listdepth\@ne
20753   \fi
20754   \rightmargin\z@
20755   \listparindent\z@
20756   \itemindent\z@
20757   \csname @list\romannumeral\the\@listdepth\endcsname
20758   \def\@itemlabel{#1}%
20759   \let\makelabel\@mklab
20760   \@nmbrrlistfalse
20761   #2\relax
20762   \@trivlist
20763   \parskip\parsep
20764   \parindent\listparindent
20765   \advance\linewidth -\rightmargin
20766   \advance\linewidth -\leftmargin
20767   \if@bidi@list@minipage@parbox
20768     \if@RTL
20769       \advance\@totalleftmargin \leftmargin
20770     \else

```



```

20771 \advance\@totalleftmargin \rightmargin
20772 \fi
20773 \else
20774 \if@hboxRconstruct
20775 \if@bidi@list@minipage@parbox@not@nob
20776 \if@RTL
20777 \advance\@totalleftmargin \rightmargin
20778 \else
20779 \advance\@totalleftmargin \leftmargin
20780 \fi
20781 \else
20782 \if@RTL
20783 \advance\@totalleftmargin \leftmargin
20784 \else
20785 \advance\@totalleftmargin \rightmargin
20786 \fi\fi
20787 \else
20788 \if@RTL
20789 \advance\@totalleftmargin \rightmargin
20790 \else
20791 \advance\@totalleftmargin \leftmargin
20792 \fi\fi\fi
20793 \parshape \@ne \@totalleftmargin \linewidth
20794 \ignorespaces}
20795 \long\def\@iiiiparbox#1#2[#3]#4#5{%
20796 \leavevmode
20797 \@pboxswfalse
20798 \if@hboxRconstruct
20799 \@bidi@list@minipage@parbox@not@nobtrue
20800 \fi
20801 \if@RTL
20802 \ifx#1t%
20803 \@bidi@list@minipage@parboxtrue
20804 \else
20805 \ifx#1b%
20806 \@bidi@list@minipage@parboxtrue
20807 \fi
20808 \fi
20809 \fi
20810 \setlength\@tempdima{#4}%
20811 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
20812 \ifx\relax#2\else
20813 \setlength\@tempdimb{#2}%
20814 \edef\@parboxto{to\the\@tempdimb}%
20815 \fi
20816 \if#1b\vbox
20817 \else\if #1t\vtop
20818 \else\ifmode\vcenter
20819 \else\@pboxswtrue $\vcenter
20820 \fi\fi\fi

```



```

20821 \parboxto{\let\hss\vss\let\unhbox\unvbox
20822 \csname bm@#3\endcsname}%
20823 \if@pboxsw \m@th$\fi
20824 \end@tempboxa}
20825 \newenvironment{LTRitems}
20826 {\par\@RTLfalse\@RTLtabfalse
20827 \if@bidi@list@minipage@parbox
20828 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20829 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20830 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20831 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20832 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\
20833 \ignorespaces}{\vskip\z@}
20834 \newenvironment{RTLitems}
20835 {\par\@RTLtrue\@RTLtabtrue
20836 \if@bidi@list@minipage@parbox
20837 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20838 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20839 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20840 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20841 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
20842 \ignorespaces}{\vskip\z@}
20843 \newenvironment{LTRbibitems}
20844 {\par\@RTLfalse\@RTLtabfalse
20845 \if@bidi@list@minipage@parbox
20846 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20847 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20848 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20849 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20850 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\
20851 \ignorespaces}{\vskip\z@}
20852 \newenvironment{RTLbibitems}
20853 {\par\@RTLtrue\@RTLtabtrue
20854 \if@bidi@list@minipage@parbox
20855 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20856 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20857 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20858 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20859 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
20860 \ignorespaces}{\vskip\z@}
20861 \def\raggedright{%
20862 \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
20863 \leftskip\z@skip
20864 \parindent\z@\parfillskip\z@skip}
20865 \let\@bidi@orig@raggedleft\raggedleft
20866 \let\@bidi@orig@raggedright\raggedright
20867 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRcons
20868 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRcons
20869 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20870 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}

```



```

20871 \def\centerline#1{%
20872 \ifRTL\@@line{\hss\beginR#1\endR\hss}
20873 \else\@@line{\hss#1\hss}\fi}
20874 \def\leftline#1{%
20875 \ifRTL\@@line{\beginR#1\endR\hss}
20876 \else\@@line{#1\hss}\fi}
20877 \def\rightline#1{%
20878 \ifRTL\@@line{\hss\beginR#1\endR}
20879 \else\@@line{\hss#1}\fi}
20880 \let\ bidi@orig@leftline\leftline
20881 \let\ bidi@orig@rightline\rightline
20882 \def\leftline#1{\ifhmode\ifRTL\ bidi@orig@rightline{#1}\else\ bidi@orig@leftline{#1}\fi\else\i
20883 \def\rightline#1{\ifhmode\ifRTL\ bidi@orig@leftline{#1}\else\ bidi@orig@rightline{#1}\fi\else\
20884 \def\bidirlap#1{\hb@xt@z@{\ifRTL\hss\fi#1\ifRTL\else\hss\fi}}
20885 \def\bidillap#1{\hb@xt@z@{\ifRTL\else\hss\fi#1\ifRTL\hss\fi}}
20886 \def\hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20887 \hangindent \ifRTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20888 \def\narrower{%
20889 \advance\ifRTL\rightright\else\leftskip\fi\parindent
20890 \advance\ifRTL\leftskip\else\rightright\fi\parindent}
20891 \def\underline#1{%
20892 \relax
20893 \ifmmode\@@underline{#1}%
20894 \else
20895 \ifRTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20896 \else
20897 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20898 \ifcompatibility
20899 \let\underline=\underline
20900 \fi
20901 \def\@tabular{%
20902 \leavevmode \hbox \bgroup \ifRTLtab\beginR \fi
20903 $\let\@acol\@tabacol
20904 \let\@classz\@tabclassz
20905 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20906 \def\endtabular{\crr\egroup\ifRTLtab\egroup\endR\egroup\fi
20907 \egroup $\ifRTLtab\endR\fi\egroup}
20908 \expandafter \let \csname endtabular*\endcsname = \endtabular
20909 \def\@array[#1]#2{%
20910 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20911 \bgroup
20912 \setbox\@arstrutbox\hbox{%
20913 \vrule \@height\arraystretch\ht\strutbox
20914 \@depth\arraystretch \dp\strutbox
20915 \@widthz@}%
20916 \@mkpream{#2}%
20917 \edef\@preamble{%
20918 \ialign \noexpand\@halignto
20919 \bgroup \@arstrut \@preamble \tabskipz@skip \cr}%
20920 \let\@startpbox\@startpbox \let\@endpbox\@endpbox

```



```

20921 \let\tabularnewline\%
20922 \let\par\@empty
20923 \let\@sharp##%
20924 \set@typeset@protect
20925 \lineskip\z@skip\baselineskip\z@skip
20926 \ifhmode \@preamerr\z@ \@par\fi
20927 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
20928 \@preamble}
20929 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20930 \let\@classiv\@arrayclassiv
20931 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20932 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20933 \ifnum \@lastchclass=3 5 \else
20934 \z@ \if #1c\@chnum \z@ \else
20935 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20936 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20937 \@chclass \if #1|\@ne \else
20938 \if #1@\tw@ \else
20939 \if #1p3 \else \z@ \@preamerr 0\fi
20940 \fi \fi \fi \fi \fi \fi
20941 \fi}
20942 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20943 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20944 \def\bm@t{\unhbox\@tempboxa\hss}
20945 \def\bm@b{\hss\unhbox\@tempboxa}
20946 \def\@dottedtocline#1#2#3#4#5{%
20947 \ifnum #1>\c@tocdepth \else
20948 \vskip \z@ \@plus.2\p@
20949 {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin}
20950 \parindent #2\relax\@afterindenttrue
20951 \interlinepenalty\@M
20952 \leavevmode
20953 \@tempdima #3\relax
20954 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
20955 {#4}\nobreak
20956 \leaders\hbox{\$m@th
20957 \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
20958 mu$}\hfill
20959 \nobreak
20960 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20961 \par}%
20962 \fi}
20963
20964 \newcount\@bidi@column@check@number
20965
20966 \def\@bidi@column@status#1{\gdef\@bidi@current@column@status{#1}}
20967
20968 \def\@bidi@set@column@status#1#2{%
20969 \global\expandafter\let\csname #1\endcsname\@bidi@current@column@status}
20970

```



```

20971 \if@twocolumn
20972 \newcommand\DetectColumn[3][1]{%
20973 \ifx\ bidi@firstcolumn@status@write\relax
20974 \PackageError{bidi}%
20975 {Option 'DetectColumn' not selected}%
20976 {\string\DetectColumn\space
20977 requires the use of the 'DetectColumn'
20978 option on the package}%
20979 \fi
20980 \global\advance\ bidi@column@check@number\@ne
20981 \edef\ bidi@column@type{\expandafter\ifx
20982 \csname bidi@column-\the\ bidi@column@check@number\endcsname\relax
20983 0\else
20984 \csname bidi@column-\the\ bidi@column@check@number\endcsname
20985 \fi}%
20986 \ifcase \ bidi@column@type\relax
20987 \ifcase #1\or #2\or#3\fi % 0 not known use first column as default
20988 \or
20989 #2% % 1 First column
20990 \or
20991 #3% % 2 Second (Last column)
20992 \else
20993 \ERROR
20994 \fi
20995 \edef\next{\write\@auxout
20996 {\string\ bidi@set@column@status{bidi@column-\the\ bidi@column@check@number}%
20997 {\ bidi@column@type}}}%
20998 \next
20999 }
21000
21001 \AtEndDocument{\def\ bidi@set@column@status#1#2{%
21002 \ifnum #2=\ bidi@current@column@status\else
21003 \@tempwatruer
21004 \fi}%
21005 }
21006 \fi
21007
21008 \def\RTL@outputdblcol{%
21009 \if@firstcolumn
21010 \global\@firstcolumnfalse
21011 \global\setbox\@leftcolumn\copy\@outputbox
21012 \splitmaxdepth\maxdimen
21013 \vbadness\maxdimen
21014 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21015 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21016 \toks@\expandafter{\topmark}%
21017 \xdef\@firstcoltopmark{\the\toks@}%
21018 \toks@\expandafter{\splitfirstmark}%
21019 \xdef\@firstcolfirstmark{\the\toks@}%
21020 \ifx\@firstcolfirstmark\empty

```





```

21021     \global\let\@setmarks\relax
21022   \else
21023     \gdef\@setmarks{%
21024       \let\firstmark\@firstcolfirstmark
21025       \let\topmark\@firstcoltopmark}%
21026   \fi
21027 \else
21028   \global\@firstcolumntrue
21029   \setbox\@outputbox\vbox{%
21030     \hb@xt@\textwidth{%
21031       \hskip \columnwidth
21032       \hfil
21033       {\normalcolor\vrule \@width\columnseprule}%
21034       \hfil
21035       \hb@xt@\columnwidth{%
21036         \bidi@firstcolumn@status@write%
21037         \box\@leftcolumn \hss}%
21038       \hskip -\textwidth
21039       \hb@xt@\columnwidth{%
21040         \bidi@lastcolumn@status@write%
21041         \box\@outputbox \hss}%
21042       \hskip \columnsep
21043       \hskip \columnwidth }}%
21044   \@combinedblfloats
21045   \@setmarks
21046   \@outputpage
21047   \beginingroup
21048     \@dblfloatplacement
21049     \@startdblcolumn
21050     \@whilesw\if@colmade \fi{\@outputpage
21051     \@startdblcolumn}%
21052   \endgroup
21053 \fi}%
21054
21055 \def\LTR@outputdblcol{%
21056   \if@firstcolumn
21057     \global\@firstcolumnfalse
21058     \global\setbox\@leftcolumn\copy\@outputbox
21059     \splitmaxdepth\maxdimen
21060     \vbadness\maxdimen
21061     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
21062     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
21063     \toks@\expandafter{\topmark}%
21064     \xdef\@firstcoltopmark{\the\toks@}%
21065     \toks@\expandafter{\splitfirstmark}%
21066     \xdef\@firstcolfirstmark{\the\toks@}%
21067     \ifx\@firstcolfirstmark\@empty
21068       \global\let\@setmarks\relax
21069     \else
21070       \gdef\@setmarks{%

```



```

21071         \let\firstmark\@firstcolfirstmark
21072         \let\topmark\@firstcoltopmark}%
21073     \fi
21074 \else
21075     \global\@firstcolumntrue
21076     \setbox\@outputbox\vbox{%
21077         \hb@xt@\textwidth{%
21078             \hb@xt@\columnwidth{%
21079                 \bidi@firstcolumn@status@write%
21080                 \box\@leftcolumn \hss}%
21081             \hfil
21082             {\normalcolor\vrule \@width\columnseprule}%
21083             \hfil
21084             \hb@xt@\columnwidth{%
21085                 \bidi@lastcolumn@status@write%
21086                 \box\@outputbox \hss}}}%
21087 \@combinedblfloats
21088     \@setmarks
21089     \@outputpage
21090     \begingroup
21091         \@dblfloatplacement
21092         \@startdblcolumn
21093         \@whiles\if@fcolmade \fi{\@outputpage
21094             \@startdblcolumn}%
21095     \endgroup
21096 \fi}%
21097
21098
21099 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
21100 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
21101 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
21102
21103 \bidi@patchcmd\@makecol{%
21104     \ifvoid\footins
21105         \setbox\@outputbox \box\@cclv
21106     \else
21107         \setbox\@outputbox \vbox {%
21108             \boxmaxdepth \@maxdepth
21109             \unvbox \@cclv
21110             \vskip \skip\footins
21111             \color@begingroup
21112             \normalcolor
21113             \footnoterule
21114             \unvbox \footins
21115             \color@endgroup
21116         }%
21117     \fi
21118 }{%
21119     \ifvoid\footins
21120     \ifvoid\@bidi@copyins@

```



```

21121     \setbox\@outputbox \box\@cclv
21122     \else
21123     \setbox\@outputbox \vbox {%
21124         \boxmaxdepth \@maxdepth
21125         \unvbox \@cclv
21126         \vskip \skip\@bidi@copyins@
21127         \color@begingroup
21128         \normalcolor
21129         \unvbox \@bidi@copyins@
21130         \color@endgroup
21131     }%
21132     \fi
21133     \else
21134     \setbox\@outputbox \vbox {%
21135         \boxmaxdepth \@maxdepth
21136         \unvbox \@cclv
21137         \vskip \skip\footins
21138         \color@begingroup
21139         \normalcolor
21140         \footnoterule
21141         \unvbox \footins
21142         \color@endgroup
21143         \ifvoid\@bidi@copyins@
21144         \else
21145             \vskip \skip\@bidi@copyins@
21146             \color@begingroup
21147             \normalcolor
21148             \unvbox \@bidi@copyins@
21149             \color@endgroup
21150         \fi
21151     }%
21152     \fi
21153 }{}{}
21154
21155 \def\LTRmarginpar{%
21156     \ifhmode
21157         \bsphack
21158         \@floatpenalty -\@Mii
21159     \else
21160         \@floatpenalty-\@Miii
21161     \fi
21162     \ifinner
21163         \@parmoderr
21164         \@floatpenalty\z@
21165     \else
21166         \@next\@currbox\@freelist{}{}%
21167         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21168         {\@floatpenalty\z@
21169         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21170     \fi

```



```

21171 \@ifnextchar [\@LTRxmpar\@LTRympar}
21172 \long\def\@LTRxmpar[#1]#2{%
21173   \@LTRsavemarbox\@marbox{#1}%
21174   \@LTRsavemarbox\@currbox{#2}%
21175   \@xympar}
21176 \long\def\@LTRympar#1{%
21177   \@LTRsavemarbox\@marbox{#1}%
21178   \global\setbox\@currbox\copy\@marbox
21179   \@xympar}
21180 \long\def \@LTRsavemarbox #1#2{%
21181   \global\setbox #1%
21182     \color@vbox
21183     \vtop{%
21184       \hsize\marginparwidth
21185       \@parboxrestore
21186       \@LTRmarginparreset
21187       #2%
21188       \@minipagefalse
21189       \outer@nobreak
21190     }%
21191   \color@endbox
21192 }
21193 \def \@LTRmarginparreset {%
21194   \reset@font
21195   \normalsize
21196   \@minipagetrue
21197   \everypar{\@minipagefalse\everypar{}}\beginL}%
21198 }
21199 \def\RTLmarginpar{%
21200   \ifhmode
21201     \@bsphack
21202     \@floatpenalty -\@Mii
21203   \else
21204     \@floatpenalty-\@Miii
21205   \fi
21206   \ifinner
21207     \@parmoderr
21208     \@floatpenalty\z@
21209   \else
21210     \@next\@currbox\@freelist{}{}%
21211     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
21212     {\@floatpenalty\z@
21213       \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
21214   \fi
21215 \@ifnextchar [\@RTLxmpar\@RTLympar}
21216 \long\def\@RTLxmpar[#1]#2{%
21217   \@RTLSavemarbox\@marbox{#1}%
21218   \@RTLSavemarbox\@currbox{#2}%
21219   \@xympar}
21220 \long\def\@RTLympar#1{%

```



```

21221 \@RTLsavemarbox\@marbox{#1}%
21222 \global\setbox\@currbox\copy\@marbox
21223 \@xympar}
21224 \long\def \@RTLsavemarbox #1#2{%
21225 \global\setbox #1%
21226 \color@vbox
21227 \vtop{%
21228 \hsize\marginparwidth
21229 \@parboxrestore
21230 \@RTLMarginparreset
21231 #2%
21232 \@minipagefalse
21233 \outer@nobreak
21234 }%
21235 \color@endbox
21236 }
21237 \def \@RTLMarginparreset {%
21238 \reset@font
21239 \normalsize
21240 \@minipagetrue
21241 \everypar{\@minipagefalse\everypar{}}\beginR}%
21242 }
21243 \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
21244 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
21245 \if@twocolumn
21246 \if@firstcolumn \@tempcnta\m@ne \fi
21247 \else
21248 \if@mparswitch
21249 \ifodd\c@page \else\@tempcnta\m@ne \fi
21250 \fi
21251 \if@reversemargin \@tempcnta -\@tempcnta \fi
21252 \fi
21253 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
21254 \@tempdima\@mparbottom
21255 \advance\@tempdima -\@pageht
21256 \advance\@tempdima\ht\@marbox
21257 \ifdim\@tempdima >\z@
21258 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
21259 \else
21260 \@tempdima\z@
21261 \fi
21262 \global\@mparbottom\@pageht
21263 \global\advance\@mparbottom\@tempdima
21264 \global\advance\@mparbottom\dp\@marbox
21265 \global\advance\@mparbottom\marginparpush
21266 \advance\@tempdima -\ht\@marbox
21267 \global\setbox \@marbox
21268 \vbox {\vskip \@tempdima
21269 \box \@marbox}%
21270 \global \ht\@marbox \z@

```



```

21271 \global \dp\@marbox \z@
21272 \kern -\@pagedp
21273 \nointerlineskip
21274 \hbxt@\columnwidth
21275 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi}
21276 \hskip\columnwidth \hskip\marginparsep
21277 \else
21278 \hskip -\marginparsep \hskip -\marginparwidth
21279 \fi
21280 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else\endL\fi}
21281 \nointerlineskip
21282 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
21283 \long\def\@ympar#1{%
21284 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar\@RTLtrue\fi\else\if@LTRmarginpar\@LTRfalse\fi}
21285 \global\setbox\@currbox\copy\@marbox
21286 \@xympar}
21287 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
21288 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
21289 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
21290 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
21291 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
21292 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
21293 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
21294 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
21295 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%
21296 \fi}
21297
21298 \newcommand*{\bidi@font@@outputpage}{\bidi@font@@outputpage}
21299
21300 \def\@outputpage{%
21301 \begingroup % the \endgroup is put in by \aftergroup
21302 \let \protect \noexpand
21303 \@resetactivechars
21304 \global\let\@if@newlist\if@newlist
21305 \global\@newlistfalse
21306 \@parboxrestore
21307 \global\let\bidi@BeforeOutputPageShipOut\@firstofone
21308 \bidi@beforeoutputpageshipouthook
21309 \shipout \vbox{%
21310 \set@typeset@protect
21311 \aftergroup \endgroup
21312 \aftergroup \set@typeset@protect
21313 % correct? or just restore by ending
21314 % the group?
21315 \if@specialpage
21316 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
21317 \fi
21318 \if@twoside
21319 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
21320 \if@RTLmain

```



```

21321         \let\@themargin\evensidemargin
21322     \else
21323         \let\@themargin\oddsidemargin
21324     \fi
21325 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
21326     \if@RTLmain
21327         \let\@themargin\oddsidemargin
21328     \else
21329         \let\@themargin\evensidemargin
21330     \fi
21331 \fi
21332 \ifx\@thehead\@empty \let\@thehead\hfil \fi
21333 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
21334 \else %% not @twoside
21335     \ifx\@oddhead\@empty \let\@thehead\hfil \fi
21336     \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
21337 \fi
21338 \reset@font
21339 \normalsize
21340 \bidi@font@@outputpage
21341 \normalsfcodes
21342 \let\label\@gobble
21343 \let\index\@gobble
21344 \let\glossary\@gobble
21345 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
21346 \@begindvi
21347 \vskip \topmargin
21348 \moveright\@themargin \vbox {%
21349     \global\let\bidi@BeforeHeader\@firstofone
21350     \bidi@beforeheaderhook
21351     \setbox\@tempboxa \vbox to\headheight{%
21352         \vfil
21353         \color@hbox
21354         \normalcolor
21355         \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@
21356         \color@endbox
21357     }%
21358     \dp\@tempboxa \z@
21359     \box\@tempboxa
21360     \vskip \headsep
21361     \global\let\bidi@BeforeOutputBoxOutputPage\@firstofone
21362     \bidi@beforeoutputboxoutputpagehook
21363     \box\@outputbox
21364     \global\let\bidi@AfterOutputBoxOutputPage\@firstofone
21365     \bidi@afteroutputboxoutputpagehook
21366     \global\let\bidi@BeforeFooter\@firstofone
21367     \bidi@beforefooterhook
21368     \baselineskip \footskip
21369     \color@hbox
21370     \normalcolor

```



```

21371         \hb@xt@\textwidth{\if@RTLmain@RTLtrue\beginR\else@RTLfalse\beginL\fi@thefoot\if@RTL
21372         \color@endbox
21373         \global\let\ bidi@AfterFooter\@firstofone
21374         \bidi@afterfooterhook
21375     }%
21376 }%
21377 \global\let\ bidi@AfterOutputPageShipOut\@firstofone
21378 \bidi@afteroutputpageshipouthook
21379 \global\let\if@newlist\@if@newlist
21380 \global \colht \textheight
21381 \stepcounter{page}%
21382 \let\firstmark\botmark
21383 \global\let\ bidi@AtEndOutputPage\@firstofone
21384 \bidi@atendoutputpagehook
21385 }
21386 \long\def\@makecaption#1#2{%
21387     \vskip\abovecaptionskip
21388     \sbox\@tempboxa{#1: #2}%
21389     \ifdim \wd\@tempboxa >\hsize
21390         \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21391     \else
21392         \global \@minipagefalse
21393         \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
21394     \fi
21395     \vskip\belowcaptionskip}
21396 \let\ bidi@samed@eqno=eqno
21397 \let\ bidi@samed@leqno=\leqno
21398 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@samed@leqno \else \bidi@samed@eqno \fi}
21399 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@samed@eqno \else \bidi@samed@leqno \fi}
21400 \@ifpackageloaded{amsmath}{-}{-}
21401 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}
21402 }
21403 \input{footnote-xetex-bidi.def}
21404 \if@twocolumn
21405     \let\autofooterule\relax
21406     \let\leftfootnoterule\relax
21407     \let\rightfootnoterule\relax
21408     \textwidthfootnoterule
21409 \fi
21410 \if@bidi@csundef{@idxitem}{-}{-}
21411 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p@}%
21412 }
21413 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{-}
21414 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{-}{\input{article-xetex-bidi.def}}{-}
21415 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{-}
21416 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{-}
21417 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{-}
21418 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{-}
21419 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{-}
21420 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{-}

```





```

21421 \@ifclassloaded{scrletter}{\input{scrletter-xetex-bidi.def}}{}
21422 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
21423 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
21424 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
21425 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
21426 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}{\input{report-xetex-bidi.def}}{}}{}
21427 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
21428 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
21429 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
21430 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
21431 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
21432 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
21433 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
21434 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
21435 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
21436 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}{\input{book-xetex-bidi.def}}{}}{}
21437 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
21438 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
21439 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21440 \@ifpackageloaded{amsmath}{}%
21441 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
21442 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
21443 }
21444 \@ifpackageloaded{mathtools}{%
21445 \RequirePackage{graphicx}%
21446 \input{mathtools-xetex-bidi.def}%
21447 }{}
21448 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21449 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21450 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}
21451 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21452 \@ifpackagewith{algorithm2e}{algonl}{%
21453 \renewcommand{\theAlgoLine}{\expandafter\cename the\algocf@float\endcsname\@SepMark\arabic{Algo}}{}
21454 }{}
21455 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21456 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
21457 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
21458 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21459 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21460 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21461 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
21462 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
21463 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
21464 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
21465 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21466 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
21467 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
21468 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21469 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
21470 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}

```



```

21471 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21472 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}{}
21473 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21474 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21475 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21476 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
21477 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21478 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
21479 \@ifpackageloaded{theorem}{\input{theorem-xetex-bidi.def}}{}
21480 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21481 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21482 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21483 \@ifpackageloaded{theorem-hyper}{\input{theorem-hyper-xetex-bidi.def}}{}
21484 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21485 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21486 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21487 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21488 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21489 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21490 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21491 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21492 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21493 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21494 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21495 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
21496 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
21497 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21498 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21499 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21500 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
21501 \@ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21502 \@iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21503 \@iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21504 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21505 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21506 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21507 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21508 \@ifpackagewith{sidecap}{innercaption}{%
21509 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21510 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}
21511 \renewcommand*\SC@justify@caption{%
21512 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21513 \renewcommand*\SC@FLOAT[2]{%
21514 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}
21515 \renewcommand*\SC@justify@caption{%
21516 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21517 }{}
21518 \@ifpackagewith{sidecap}{rightcaption}{%
21519 \if@RTL\renewcommand*\SC@FLOAT[2]{{#1}\hspace{\sidecaptionsep}{#2}}
21520 \def\SC@justify@caption{\RaggedLeft}\else%

```



```

21521 \renewcommand*{\SC@FLOAT}[2]{\#2}\hspace{\sidecaptionsep}{\#1}}
21522 \def\SC@justify@caption{\RaggedRight}\fi%
21523 }{}
21524 \@ifpackagewith{sidecap}{leftcaption}{%
21525 \ifRTL \renewcommand*{\SC@FLOAT}[2]{\#2}\hspace{\sidecaptionsep}{\#1}}
21526 \def\SC@justify@caption{\RaggedRight}\else%
21527 \renewcommand*{\SC@FLOAT}[2]{\#1}\hspace{\sidecaptionsep}{\#2}}
21528 \def\SC@justify@caption{\RaggedLeft}\fi%
21529 }{}
21530 \@ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21531 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21532 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21533 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21534 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21535 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21536 \@ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
21537 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
21538 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
21539 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
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21541 \@ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
21542 \@ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
21543 \@ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21544 \@ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
21545 \@ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
21546 \@ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
21547 \@ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
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21550 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xetex-bidi.def}}{}}{}
21551 \@ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21552 \@ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

## 128 File `xltxtra-xetex-bidi.def`

```

21553 \ProvidesFile{xltxtra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltxtra package for
21554 \let\@XeTeX\XeTeX
21555 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21556 \let\@XeLaTeX\XeLaTeX
21557 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

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