



# The bidi Package

Source documentation for version 32.9

to my Master, **Ferdowsi The Great**

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<https://www.paypal.me/persiantex>

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

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

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# The *bid* Package

## Bidirectional typesetting in plain T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X, using XeT<sub>E</sub>X engine

Source documentation for [version 32.9](#)

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## 1 File amsart-xetex-bidi.def

```

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

```



```

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

```



```

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

```

## 2 File adjmulticol-xetex-bidi.def

```

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

```



```

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

```

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

```

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

```





```

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

```

## 4 File amsbook-xetex-bidi.def

```

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

```



```

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

```



```

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

```

## 5 File amsmath-xetex-bidi.def

```

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

```



```

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

```

## 6 File amstext-xetex-bidi.def

```

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

```

## 7 File amsthm-xetex-bidi.def

```

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

```

## 8 File array-xetex-bidi.def

```

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

```



```

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

```

## 9 File article-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```





```

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

```

## 10 File artikel1-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```

## 11 File artikel2-xetex-bidi.def

```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```

## 12 File artikel3-xetex-bidi.def

```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```

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

```

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

```



```

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

```



```

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

```

## 14 File bidi.sty

```

1504 \NeedsTeXFormat{LaTeX2e}
1505 \def\bididate{2018/02/22}
1506 \def\bidiversion{32.9}
1507 \ProvidesPackage{bidi}[\bididate\space v\bidiversion\space
1508 Bidirectional typesetting in plain TeX and LaTeX]
1509 \edef\@bidi@info{*****~J%

```



```

1510 * ^^J%
1511 * bidi package (Bidirectional typesetting in^^J%
1512 * plain TeX and LaTeX, using XeTeX engine)^^J%
1513 * ^^J%
1514 * Description: A convenient interface for^^J%
1515 * typesetting bidirectional texts in plain TeX^^J%
1516 * and LaTeX. The package includes adaptations^^J%
1517 * for use with many other commonly-used packages.^^J%
1518 * ^^J%
1519 * Copyright (c) 2009--2018 Vafa Khalighi^^J%
1520 * ^^J%
1521 * v\bidi@version, \bididate^^J%
1522 * ^^J%
1523 * License: LaTeX Project Public License, version^^J%
1524 * 1.3c or higher (your choice)^^J%
1525 * ^^J%
1526 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1527 * ^^J%
1528 * Issue tracker: https://github.com/tex-xet/bidi/issues^^J%
1529 * ^^J%
1530 * Support: persian-tex@tug.org^^J%
1531 * ^^J%
1532 *****}
1533 \typeout{\@bidi@info}
1534 \edef\bidi@everyjob{\the\everyjob}
1535 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1536 \newcommand*{\bidiversion}{\ensuremath\bidi@version}
1537 \newcommand*{\IfbidiPackageVersionLater}[1]{%
1538   \ifdim\bidi@version pt > #1 pt %
1539     \expandafter\@firstoftwo
1540   \else
1541     \expandafter\@secondoftwo
1542   \fi}
1543 \newcommand*{\IfbidiPackageVersionBefore}[1]{%
1544   \ifdim\bidi@version pt < #1 pt %
1545     \expandafter\@firstoftwo
1546   \else
1547     \expandafter\@secondoftwo
1548   \fi}
1549 \newcommand*{\IfbidiPackageVersion}[1]{%
1550   \ifdim\bidi@version pt = #1 pt %
1551     \expandafter\@firstoftwo
1552   \else
1553     \expandafter\@secondoftwo
1554   \fi}
1555 \RequirePackage{iftex}
1556 \RequireXeTeX
1557 \RequirePackage{biditools}
1558 \RequirePackage{zref-abspage}
1559 \RequirePackage{auxhook}

```



```

1560 \RequirePackage{ltxcmds}
1561 \RequirePackage{xkeyval}
1562 \eqnewif{\if@RTLmain}{\if@rlmain}
1563 \eqnewif{\if@RTL}{\if@rl}
1564 \newif\if@nonlatin
1565 \newcommand*{\setlatin}{\@nonlatinfalse}
1566 \newcommand*{\setnonlatin}{\@nonlatintrue}
1567 \eqnewif{\if@RTLtab}{\if@tab@rl}
1568 \newif\if@hboxRconstruct
1569 \newcommand*{\setRTLtable}{\@RTLtabtrue}
1570 \newcommand*{\setLTRtable}{\@RTLtabfalse}
1571 \newif\if@bidi@pdfm@mark
1572 \newif\if@RTLmarginpar
1573 \newif\if@LTRmarginpar
1574 \newif\if@LTRbibitems
1575 \newif\if@RTLbibitems
1576 \newif\if@extrafootnotefeatures
1577 \newif\if@parafootRTL
1578 \newif\if@RTLcolumnfootnotes
1579 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1580 \newif\if@bidi@list@minipage@parbox
1581 \newif\if@bidi@list@minipage@parbox@not@nob
1582 \newcommand*{\@bidi@pdfcreator}{%
1583   The bidi package, v\@bidi@version, \@bidi@date
1584 }
1585 \newcommand*{\@bidi@pdfproducer}{%
1586   The bidi package, v\@bidi@version, \@bidi@date
1587 }
1588 \@RTLmainfalse
1589 \AtBeginDocument{%
1590   \if@RTLmain\else
1591     \if@RTL\@RTLmaintrue%
1592     \else\@RTLmainfalse%
1593     \fi%
1594   \fi%
1595 }
1596 \let\n@xt=\
1597 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1598 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1599 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1600 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1601 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1602   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1603 \newinsert\@bidi@copyins@
1604 \skip\@bidi@copyins@=12\p@
1605 \dimen\@bidi@copyins@=40pc
1606 \count\@bidi@copyins@=1000
1607 \newcommand*{\@bidi@inslogo@}{\insert\@bidi@copyins@{\@bidi@logo@}}
1608 \newcommand*{\@bidi@logo@hb@xt@}{%
1609   \if@RTLmain

```



```

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

```



```

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

```



```

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

```

## 15 File bidi.tex

```

1736 \def\bididate{2018/02/22}
1737 \catcode\@=11
1738 \def\bidi@version{32.9}
1739 \let \protect \relax
1740 \newlinechar\^^J
1741 \edef\@bidi@info{*****\^^J%
1742 * \^^J%
1743 * bidi package (Bidirectional typesetting in\^^J%
1744 * plain TeX and LaTeX, using XeTeX engine)\^^J%
1745 * \^^J%
1746 * Description: A convenient interface for\^^J%
1747 * typesetting bidirectional texts in plain TeX\^^J%
1748 * and LaTeX. The package includes adaptations\^^J%
1749 * for use with many other commonly-used packages.\^^J%
1750 * \^^J%
1751 * Copyright (c) 2009--2018 Vafa Khalighi\^^J%
1752 * \^^J%
1753 * v\bidi@version, \bididate\^^J%
1754 * \^^J%
1755 * License: LaTeX Project Public License, version\^^J%
1756 * 1.3c or higher (your choice)\^^J%

```





```

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

```



```

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

```

## 16 File bidi2in1.sty

```

1836 \NeedsTeXFormat{LaTeX2e}
1837 \ProvidesPackage{bidi2in1}
1838 \pagestyle{plain}
1839 \newcount\evenpage
1840 \newcount\oddpge
1841 \twocolumn
1842 \def\@oddfont{\evenpage=\thepage%
1843 \multiply\evenpage by 2%
1844 \oddpge=\the\evenpage%
1845 \advance\oddpge by -1%
1846 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1847 \def\@evenfont{\evenpage=\thepage%
1848 \multiply\evenpage by 2%
1849 \oddpge=\the\evenpage%
1850 \advance\oddpge by -1%
1851 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1852 \textwidth 9.49in
1853 \textheight 6.7in

```



```

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

```

## 17 File `bidicode.sty`

```

1892 \NeedsTeXFormat{LaTeX2e}
1893 \ProvidesPackage{bidicode}
1894 \RequirePackage{xcolor}
1895 \RequirePackage{showexpl}
1896 \definecolor{hellgelb}{rgb}{1,1,0.85}
1897 \definecolor{colKeys}{rgb}{0,0,1}
1898 \definecolor{colIdentifier}{rgb}{0,0,0}
1899 \definecolor{colComments}{rgb}{1,0,0}
1900 \definecolor{colString}{rgb}{0,0.5,0}

```



```

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

```



```

1951 \DeclareRobustCommand\rsb{{\normalfont\ttfamily}}
1952 \DeclareRobustCommand\lrb{{\normalfont\ttfamily}}
1953 \DeclareRobustCommand\rrb{{\normalfont\ttfamily}}
1954
1955 \def\Lcs#1{\nxLcs{#1}}
1956 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1957 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1958
1959 \def\Coordx#1{${x}_{#1}$}
1960 \def\Coordy#1{${y}_{#1}$}
1961 \def\Coordz#1{${z}_{#1}$}
1962 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1963 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1964 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1965 \def\CAny{\Coordx{},\kern 1pt\Coordy{}}
1966 \def\CIIIAny{\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
1967 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
1968 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
1969 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
1970 \def\coordx#1{(${x}_{#1}$)}
1971 \def\coordy#1{(${y}_{#1}$)}
1972 \def\coordz#1{(${z}_{#1}$)}
1973 \def\cAny{(\Coordx{},\kern 1pt\Coordy{}}
1974 \def\ciiAny{(\Coordx{},\kern 1pt\Coordy{},\kern 1pt\Coordz{}}
1975
1976 \newsavebox{\boxdef}
1977 \newenvironment{BDef}
1978   {\begin{lrbox}\boxdef
1979     \def\arraystretch{1.0}
1980     \begin{tabular}{@{}l@{}l@{}l@{}}
1981   }
1982   {\end{tabular}\end{lrbox}}
1983
1984   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1985   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1986 }
1987
1988 \newenvironment{BDef*}
1989   {\begin{lrbox}\boxdef
1990     \def\arraystretch{1.0}
1991     \begin{tabular}{@{}l@{}l@{}l@{}}
1992   }
1993   {\end{tabular}\end{lrbox}}
1994   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
1995   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1996 }
1997 \newenvironment{BCmd}{
1998   \@beginparpenalty-\@lowpenalty
1999   \topsep\BDefaboveskip
2000   \fbboxsep3pt

```



```

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

```

## 18 File bidiftnxtra.sty

```

2025 \NeedsTeXFormat{LaTeX2e}
2026 \ProvidesPackage{bidiftnxtra}
2027 \newtoks\bidi@p@ftn
2028 \let\FN@sf@@footnote\footnote
2029 \let\FN@sf@@LTRfootnote\LTRfootnote
2030 \let\FN@sf@@RTLfootnote\RTLfootnote
2031 \def\footnote{\ifx\protect\@typeset@protect
2032 \expandafter\FN@sf@@footnote
2033 \else
2034 \expandafter\FN@sf@gobble@opt
2035 \fi
2036 }
2037 \def\LTRfootnote{\ifx\protect\@typeset@protect
2038 \expandafter\FN@sf@@LTRfootnote
2039 \else
2040 \expandafter\FN@sf@gobble@opt
2041 \fi
2042 }
2043 \def\RTLfootnote{\ifx\protect\@typeset@protect
2044 \expandafter\FN@sf@@RTLfootnote
2045 \else
2046 \expandafter\FN@sf@gobble@opt
2047 \fi

```



```

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

```



```

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

```





```

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

```



```

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

```

## 19 File bidimoderncv.cls

```

2217 \NeedsTeXFormat{LaTeX2e}
2218 \ProvidesClass{bidimoderncv}
2219 \newif\if@DEBUG\@DEBUGfalse
2220 \DeclareOption{a4paper}{
2221 \setlength\paperheight{297mm}
2222 \setlength\paperwidth{210mm}}
2223 \DeclareOption{a5paper}{
2224 \setlength\paperheight{210mm}
2225 \setlength\paperwidth{148mm}}
2226 \DeclareOption{b5paper}{
2227 \setlength\paperheight{250mm}
2228 \setlength\paperwidth{176mm}}
2229 \DeclareOption{letterpaper}{
2230 \setlength\paperheight{11in}
2231 \setlength\paperwidth{8.5in}}
2232 \DeclareOption{legalpaper}{
2233 \setlength\paperheight{14in}
2234 \setlength\paperwidth{8.5in}}
2235 \DeclareOption{executivepaper}{
2236 \setlength\paperheight{10.5in}
2237 \setlength\paperwidth{7.25in}}
2238 \DeclareOption{landscape}{
2239 \setlength\@tempdima{\paperheight}
2240 \setlength\paperheight{\paperwidth}
2241 \setlength\paperwidth{\@tempdima}}
2242 \newcommand\@ptsize{}
2243 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2244 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}

```



```

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

```



```

2295 \onecolumn
2296 \providecommand*\listitemsymbol{\textbullet}
2297 \providecommand*\addresssymbol{}
2298 \providecommand*\mobilesymbol{\Mobilefone}
2299 \providecommand*\phonesymbol{\Telefon}
2300 \providecommand*\faxsymbol{\FAX}
2301 \providecommand*\emailsymbol{\Letter}
2302 \definecolor{firstnamecolour}{rgb}{0,0,0}
2303 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2304 \def\familynamcolour#1{\gdef\@familynamcolour{\addfontfeature{Color=#1}}}
2305 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2306 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2307 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2308 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2309 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2310 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2311 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2312 \providecommand*\firstnamefont{}
2313 \providecommand*\familynamefont{}
2314 \providecommand*\titlefont{}
2315 \providecommand*\addressfont{}
2316 \providecommand*\quotefont{}
2317 \providecommand*\sectionfont{}
2318 \providecommand*\subsectionfont{}
2319 \providecommand*\hintfont{\small}
2320 \providecommand*\firstnamestyle[1]{\{\@firstnamefont\@firstnamecolour#1\}}
2321 \providecommand*\familynamestyle[1]{\{\@familynamefont\@familynamcolour#1\}}
2322 \providecommand*\titlestyle[1]{\{\@titlefont\@titlecolour#1\}}
2323 \providecommand*\addresstyle[1]{\{\@addressfont\@addresscolour#1\}}
2324 \providecommand*\quotestyle[1]{\{\@quotefont\@quotecolour#1\}}
2325 \providecommand*\sectionstyle[1]{\{\@sectionfont\@sectiontitlecolour#1\}}
2326 \providecommand*\subsectionstyle[1]{\{\@subsectionfont\@subsectioncolour#1\}}
2327 \providecommand*\hintstyle[1]{\{\@hintfont\@hintcolour#1\}}
2328 \newcommand*\cvtheme{2} [] {
2329   \def\@cvtheme{#2}
2330   \def\@cvthemeoptions{#1}
2331   \cvtheme{bidi-casual}
2332   \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2333   \newcommand*\resumename[1]{\def\@resumename{#1}}
2334   \newcommand*\firstname[1]{\def\@firstname{#1}}
2335   \newcommand*\familyname[1]{\def\@familyname{#1}}
2336   \renewcommand*\title[1]{\def\@title{#1}}
2337   \newcommand*\address[1]{\def\@address{#1}}
2338   \newcommand*\mobile[1]{\def\@mobile{#1}}
2339   \newcommand*\phone[1]{\def\@phone{#1}}
2340   \renewcommand*\fax[1]{\def\@fax{#1}}
2341   \newcommand*\email[1]{\def\@email{#1}}
2342   \newcommand*\extrainfo[1]{\def\@extrainfo{#1}}
2343   \def\@photowidth{0pt}
2344   \newcommand*\photo[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}

```



```

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

```



```

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

```



```

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

```

## 20 File `biditools.sty`

```

2466 \NeedsTeXFormat{LaTeX2e}
2467 \ProvidesPackage{biditools}[2018/02/22 v1.4 Programming tools for bidi package]
2468 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar\\\relax
2469 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2470 \ifx\@tempa\@tempb \global\let#2#1%
2471 \else
2472 \edef\@tempb{\meaning#2}%
2473 \ifx\@tempa\@tempb
2474 \else
2475 \@latex@error{Unable to properly define \string#2; primitive
2476 \noexpand#1no longer primitive}\@eha
2477 \fi
2478 \fi
2479 \endgroup}
2480 \newtoks\@bidi@envbody
2481 \newtoks\@bidi@emptytoks
2482 \def\bidi@addto@envbody#1{\global\@bidi@envbody\expandafter{\the\@bidi@envbody#1}}
2483 \def\bidi@collect@body#1{%
2484 \@bidi@envbody{\expandafter#1\expandafter{\the\@bidi@envbody}}%
2485 \edef\bidi@process@envbody{\the\@bidi@envbody\noexpand\end{\@currenvir}}%
2486 \@bidi@envbody\@bidi@emptytoks \def\begin@bidi@stack{b}%
2487 \begingroup
2488 \expandafter\let\csname\@currenvir\endcsname\bidi@collect@body
2489 \edef\bidi@process@envbody{\expandafter\noexpand\csname\@currenvir\endcsname}%
2490 \bidi@process@envbody
2491 }

```



```

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

```





```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

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

```





```

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

```



```

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

```



```

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

```



```

3092 \let#2\bidiresrvda
3093 \bidi@undef\bidiresrvda}
3094
3095 \long\def\bidi@append#1#2{#1#2}
3096 \long\def\bidi@prepend#1#2{#2#1}
3097
3098 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
3099 \newcommand*{\bidi@endpreamblehook}{}
3100
3101 \bidi@newrobustcmd*{\bidi@BeforeOutputPageShipOut}{\bidi@gappto\bidi@beforeoutputpageshipouthook}
3102 \newcommand*{\bidi@beforeoutputpageshipouthook}{}
3103
3104 \bidi@newrobustcmd*{\bidi@BeforeHeader}{\bidi@gappto\bidi@beforeheaderhook}
3105 \newcommand*{\bidi@beforeheaderhook}{}
3106
3107 \bidi@newrobustcmd*{\bidi@BeforeOutputBoxOutputPage}{\bidi@gappto\bidi@beforeoutputboxoutputpagehook}
3108 \newcommand*{\bidi@beforeoutputboxoutputpagehook}{}
3109
3110 \bidi@newrobustcmd*{\bidi@AfterOutputBoxOutputPage}{\bidi@gappto\bidi@afteroutputboxoutputpagehook}
3111 \newcommand*{\bidi@afteroutputboxoutputpagehook}{}
3112
3113 \bidi@newrobustcmd*{\bidi@BeforeFooter}{\bidi@gappto\bidi@beforefooterhook}
3114 \newcommand*{\bidi@beforefooterhook}{}
3115
3116 \bidi@newrobustcmd*{\bidi@AfterFooter}{\bidi@gappto\bidi@afterfooterhook}
3117 \newcommand*{\bidi@afterfooterhook}{}
3118
3119
3120 \bidi@newrobustcmd*{\bidi@AfterOutputPageShipOut}{\bidi@gappto\bidi@afteroutputpageshipouthook}
3121 \newcommand*{\bidi@afteroutputpageshipouthook}{}
3122
3123 \bidi@newrobustcmd*{\bidi@AtEndOutputPage}{\bidi@gappto\bidi@atendoutputpagehook}
3124 \newcommand*{\bidi@atendoutputpagehook}{}
3125
3126 \bidi@preto\document{%
3127 \endgroup
3128 \let\bidi@AtEndPreamble\@firstofone
3129 \bidi@endpreamblehook
3130 \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
3131 \bidi@undef\bidi@endpreamblehook
3132 \begingroup}
3133
3134 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
3135 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
3136
3137 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
3138 \newcommand*{\bidi@afterendpreamblehook}{}
3139
3140 \bidi@appto\document{%
3141 \let\bidi@AfterEndPreamble\@firstofone

```



```

3142 \bidi@afterendpreamblehook
3143 \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
3144 \bidi@undef\bidi@afterendpreamblehook
3145 \ignorespaces}
3146
3147 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
3148
3149 \bidi@newrobustcmd*{\bidi@AfterLastShipout}{\bidi@gappto\bidi@afterlastshipouthook}
3150 \newcommand*{\bidi@afterlastshipouthook}{}
3151
3152 \bidi@patchcmd\enddocument
3153   {\clearpage}
3154   {\clearpage
3155     \let\bidi@AfterLastShipout\@firstofone
3156     \bidi@afterlastshipouthook}
3157   {}
3158   {\let\bidi@clearpage\clearpage
3159     \def\clearpage{%
3160       \bidi@clearpage
3161       \let\bidi@AfterLastShipout\@firstofone
3162       \bidi@afterlastshipouthook}}
3163
3164 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterenddocumenthook}
3165 \newcommand*{\bidi@afterenddocumenthook}{}
3166
3167 \bidi@patchcmd\enddocument
3168   {\deadcycles}
3169   {\let\bidi@AfterEndDocument\@firstofone
3170     \bidi@afterenddocumenthook
3171     \deadcycles}
3172   {}
3173   {\let\bidi@@end@@end
3174     \def@@end{%
3175       \let\bidi@AfterEndDocument\@firstofone
3176       \bidi@afterenddocumenthook
3177       \bidi@@end}}
3178
3179 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
3180   \bidi@csgappto{\bidi@begin@#1@hook}}
3181
3182 \bidi@patchcmd\begin
3183   {\csname #1\endcsname}
3184   {\bidi@csuse{\bidi@begin@#1@hook}%
3185     \csname #1\endcsname}
3186   {}
3187   {\bidi@warning{%
3188     Patching '\string\begin' failed!\MessageBreak
3189     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
3190
3191

```



```

3192
3193 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
3194   \bidi@csgappto{@bidi@end@#1@hook}}
3195
3196 \bidi@patchcmd\end
3197   {\csname end#1\endcsname}
3198   {\bidi@csuse{@bidi@end@#1@hook}%
3199    \csname end#1\endcsname}
3200   {}
3201   {\bidi@warning{%
3202     Patching '\string\end' failed!\MessageBreak
3203     '\string\bidi@AtEndEnvironment' will not work@gobble}}
3204
3205
3206
3207 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
3208   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
3209
3210 \bidi@pretocmd\begin
3211   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
3212   {}
3213   {\bidi@warning{%
3214     Patching '\string\begin' failed!\MessageBreak
3215     '\string\bidi@BeforeBeginEnvironment' will not work@gobble}}
3216
3217
3218
3219 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
3220   \bidi@csgappto{@bidi@afterend@#1@hook}}
3221
3222 \bidi@patchcmd\end
3223   {\if@ignore}
3224   {\bidi@csuse{@bidi@afterend@#1@hook}%
3225    \if@ignore}
3226   {}
3227   {\bidi@warning{%
3228     Patching '\string\end' failed!\MessageBreak
3229     '\string\bidi@AfterEndEnvironment' will not work@gobble}}
3230
3231 \chardef\bidi@backslash`\\
3232 \def\bidiics#1{\texttt{\char\bidi@backslash#1}}
3233
3234 % anonymous control sequences
3235 \newcount\bidi@tempcountb
3236 \newtoks\bidi@temptoksa
3237 \newtoks\bidi@temptoksb
3238
3239 % Catcode (re)storing
3240 %
3241 \def\bidi@storecatcode#1%

```



```

3242 {\escapechar\m@ne
3243 \bidi@csarg\edef\bidi@restorecatcode\string#1}%
3244 {\catcode`\string#1=
3245 \the\catcode\expandafter`\string#1}%
3246 \catcode\expandafter`\string#1=12\relax
3247 \escapechar`\\relax}
3248 \def\bidi@restorecatcode#1%
3249 {\escapechar\m@ne
3250 \csname bidi@restorecatcode\string#1\endcsname
3251 \escapechar`\\relax}
3252
3253 % Construct a control sequence inside \edef
3254 %
3255 \def\bidi@csname#1{\expandafter\noexpand\csname#1\endcsname}
3256
3257 % Construct a control sequence out of #2, and give it to #1
3258 %
3259 \def\bidi@csarg#1#2{\expandafter#1\csname#2\endcsname}
3260
3261 % Pick an escapecharacter
3262 % this presumes that its argument is a character.
3263 %
3264 \def\bidi@pickescape#1{\ifnum`#1=\escapechar\else#1\fi}
3265
3266 % Equality of strings.
3267 % the fast approach: does not work in expansion-only environment.
3268 %
3269 \def\bidi@EqualString#1#2{00\fi\def\bidi@eqs@a{#1}\def\bidi@eqs@b{#2}%
3270 \ifx\bidi@eqs@a\bidi@eqs@b}
3271
3272 % Test by expansion only
3273 %
3274 \def\bidi@EqualStringX#1#2{00\fi
3275 \csname if\bidi@EqualStringX#1&#2&\endcsname}
3276 \def\bidi@EqualStringX#1#2$#3#4$ {\ifx#1#3%
3277 \ifx#1&true\else\bidi@hop@ES\bidi@EqualStringX#2$#4$\fi
3278 \else false\fi}
3279 \def\bidi@hop@ES#1\fi#2\fi{\fi\fi#1}
3280
3281 % Lexicographic ordering
3282 % note the use of \def
3283 % also note the characters 0,127,255 that are used,
3284 % these are not supposed to appear in the strings
3285 %
3286 {\catcode0=12 \catcode255=12 \catcode127=12
3287 \gdef\bidi@StringBeforeNC#1#2{00\fi
3288 \bidi@CharsBefore#1^^@^^?#2^^ff^^?}
3289 \gdef\bidi@CharsBeforeNC#1#2^^?#3#4^^?{%
3290 \ifcat#1\relax\def\bidi@next{\bidi@CharsBefore#2^^@^^?#3#4^^ff^^?}%
3291 \else\ifcat#3\relax\def\bidi@next{\bidi@CharsBefore#1#2^^@^^?#4^^ff^^?}%

```



```

3292     \else\ifnum\lccode`#1<\lccode`#3
3293         \def\bidix@next{\csname iftrue\endcsname}%
3294     \else\ifnum\lccode`#1>\lccode`#3
3295         \def\bidix@next{\csname iffalse\endcsname}%
3296     \else\def\bidix@next{\bidix@CharsBefore#2^^?#4^^?}%
3297 \fi \fi \fi \fi
3298 \bidix@next}
3299 \gdef\bidix@StringBefore#1#2{00\fi
3300 \bidix@CharsBefore#1^^0^^?#2^^ff^^?}
3301 \gdef\bidix@CharsBefore#1#2^^?#3#4^^?{%
3302 \ifnum`#1<`#3
3303     \def\bidix@next{\csname iftrue\endcsname}%
3304 \else\ifnum`#1>`#3
3305     \def\bidix@next{\csname iffalse\endcsname}%
3306 \else\def\bidix@next{\bidix@CharsBefore#2^^?#4^^?}%
3307 \fi\fi
3308 \bidix@next}
3309 }
3310
3311 % Null argument test
3312 %
3313 \def\bidix@empty{}
3314 \def\bidix@ifempty#1{00\fi\expandafter\ifx\csname bidix@#1\null\endcsname\bidix@null}
3315 \def\bidix@ifemptyX#1{\expandafter\ifx\csname bidix@#1\null\endcsname\bidix@null}
3316 %\def\bidix@ifempty#1{\def\bidix@cs@a{#1}\ifx\bidix@cs@a\bidix@empty}
3317 \def\bidix@IsEmptyList#1{00\fi\def\bidix@cs@a{#1}\ifx\cs@a\bidix@empty}
3318
3319 % Next character test
3320 %
3321 \def\bidix@NextChar#1#2#3{00\fi
3322     \let\bidix@nxt@ch#1\def\bidix@nxt@a{#2}\def\bidix@nxt@b{#3}%
3323     \futurelet\bidix@nxt@c\@bidix@ifnxtc}
3324 \def\bidix@ifNextChar#1#2#3{%
3325     \let\bidix@nxt@ch#1\def\bidix@nxt@a{#2}\def\bidix@nxt@b{#3}%
3326     \futurelet\bidix@nxt@c\@bidix@ifnxtc}
3327 \def\@bidix@ifnxtc{\ifx\bidix@nxt@c\bidix@nxt@c \expandafter\bidix@nxt@a
3328     \else \expandafter\bidix@nxt@b \fi}
3329
3330 % Test for defined-ness of string as control sequence.
3331 % works inside \edef
3332 %
3333 \def\bidix@undefinedcs#1{00\fi\bidix@csarg\ifx{#1}\relax}
3334
3335 % Define uniquely defined dummy macros,
3336 % usually to serve as bumper blocks at the end of a list
3337 %
3338 \newcount\bidix@dummies
3339 \def\DefNewDummy#1{
3340     \if\bidix@undefinedcs{#1}\bidix@csarg\edef{#1}{\bidix@dum\the\bidix@dummies}
3341     \advance\bidix@dummies\@ne

```





```

3342 \else
3343 \bidi@error{Attempt at second definition of `#1'}
3344 \fi}
3345
3346% string case statement
3347% use: \bidi@switch \iftest{...} in:
3348% item1 action1
3349% ...
3350% itemn actionn
3351% default defaultaction [optional]
3352% \endbidi@switch
3353% inspired by Jonathan Fine: Some Basic Control Macros
3354% Tugboat 12 #4
3355%
3356\let\bidi@fi\fi \let\endbidi@switch\relax \DefNewDummy\bidi@default}
3357\def\bidi@switch@exit #1 \bidi@fi #2 \endbidi@switch {\fi #1}
3358\def\bidi@switch #1#2#3{\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \bidi@fi
3359 #1{#2}\bidi@switch@exit #3 \bidi@fi
3360 \bidi@switch {#1}
3361}
3362% this version puts the test object in {}
3363\def\bidi@oswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \bidi@fi
3364 #1{#2}\bidi@switch@exit #3 \bidi@fi
3365 \bidi@switch #1 in:
3366}
3367% this version assumes that the test object is just one character
3368\def\bidi@cswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \bidi@fi
3369 #1#2\bidi@switch@exit #3 \bidi@fi
3370 \bidi@cswitch #1 in:
3371}
3372% this version assumes that the test object can have an optional space
3373\def\bidi@bswitch #1 in: #2 #3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \bidi@fi
3374 #1#2 \bidi@switch@exit #3 \bidi@fi
3375 \bidi@bswitch #1 in:
3376}
3377% this version can cope with significant spaces at the start of #3;
3378% #2 is macro argument
3379\def\bidi@mswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \bidi@fi
3380 #1{#2}\bidi@switch@exit #3 \bidi@fi
3381 \bidi@mswitch #1 in:
3382}
3383% idem; #2 does not have to be enclosed in braces
3384\def\bidi@fswitch #1 in: #2:#3; {\bidi@csarg\ifx{#2}\bidi@default\bidi@switch@exit #3 \bidi@fi
3385 #1#2 \bidi@switch@exit #3 \bidi@fi
3386 \bidi@fswitch #1 in:
3387}
3388
3389% Routines for taking the value of a string:
3390% if the string is defined as control sequence
3391% take the value of that, otherwise take the string itself

```



```

3392
3393 % String or value of control sequence
3394 %
3395 \def\bidw@w#1{\if\bid@undefinedcs{#1}#1\else \the\csname#1\endcsname\fi}
3396
3397 % String or control sequence
3398 %
3399 \def\@bidw@w#1{\if\bid@undefinedcs{#1}#1\else \csname#1\endcsname \fi}
3400
3401 % String or \noexpand-ed control sequence;
3402 % for use in \edef
3403 %
3404 \newif\ifbid@in@label
3405 \def\@bidw@w#1{\if\bid@undefinedcs{#1}#1\else
3406         \ifbid@in@label\noexpand\protect\fi \bid@csname{#1}\fi}
3407 \newtoks\bid@are@these@correct
3408 \def\bid@t@w@w#1{%
3409     \if\bid@undefinedcs{#1}#1%
3410     \ifdefining\bid@append@to@list\bid@are@these@correct{#1 }\fi
3411     \else
3412     \ifin@label\noexpand\protect\fi \bid@csname{#1}\fi}
3413
3414 % List Manipulation .....
3415 % this assumes that #1 is a list of tokens, #2 is the name of a list
3416 %
3417 % Names of lists (and of items to pop into) are given as strings;
3418 % not as control sequences.
3419 %
3420 \newtoks\bid@toks@lista \newtoks\bid@toks@listb
3421 % basic append/prepend macro
3422 \long\def\@bid@append@to@csl#1#2#3{\begingroup\bid@toks@lista=#2{#3}%
3423     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter#1\the\bid@toks@lista}
3424 \long\def\@bid@prepend@to@csl#1#2#3{\begingroup\bid@toks@lista=#2{#3}%
3425     \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bid@toks@lista}
3426 \def\@bid@append@to@list{\bid@csarg\@bid@append@to@csl}
3427 % variations:
3428 \long\def\bid@append@to@list#1#2{\@bid@append@to@list{#1}{#2}}
3429 \def\bid@append@list@to@list#1#2{%
3430     \@bid@append@to@list{#1}{\expandafter\expandafter\expandafter{\expandafter\the\csname#2\endcsname}}
3431 \def\bid@append@csl@to@csl#1#2{%
3432     \@bid@append@to@csl{#1}\expandafter{\the#2}}
3433 \def\bid@append@toks@cst@to@list#1#2{\@bid@append@to@list{#1}\expandafter{\the#2}}
3434
3435 \let\bid@willbeunhskip\unhskip
3436
3437 % A few list macros for the user
3438 \def\NewList:#1 {\bid@csarg\newtoks{#1}\global\csname#1\endcsname{}}
3439 \def\EmptyList:#1 {\global\csname#1\endcsname{}}
3440 \long\def\AppendToList:#1=#2 {\@bid@append@to@list{#1}{#2}}
3441 \def\TheList:#1 {\let\bid@oldwbuskip\bid@willbeunhskip \let\bid@willbeunhskip\@empty

```



```

3442 \if\bid@undefinedcs{#1}\bid@error{List <#1> undefined}
3443 \else\bid@csarg\the{#1}\fi
3444 \let\bid@willbeunhskip\bid@oldwbuskip}
3445
3446 \def\bid@del@tok@from@list#1#2{\begingroup
3447   \long\def\bid@cs@liste##1#2##2\bid@tok@SM
3448     {\bid@toks@lista{##1}\bid@toks@listb{##2}%
3449     \edef\bid@cs@listb{\global\bid@csname{#1}=
3450       {\the\bid@toks@lista\the\bid@toks@listb}}%
3451     \bid@cs@listb}%
3452   \edef\bid@cs@lista{\noexpand\bid@cs@liste}\expandafter\the\csname#1\endcsname\noexpand
3453   \bid@cs@lista \endgroup}
3454 \def\bid@in@front@of@list#1{\bid@csarg{\let\expandafter\bid@cs@lista}{#1}%
3455   \bid@in@front@of@cslist\bid@cs@lista}
3456 \long\def\bid@in@front@of@cslist#1#2{\begingroup\bid@toks@lista={#2}%
3457   \global#1=\expandafter\expandafter\expandafter{\expandafter\the\expandafter\bid@toks@lista
3458   \endgroup}
3459 \long\def\bid@local@in@front@of@list#1#2{\bid@toks@lista={#2}%
3460   \csname#1\endcsname\expandafter\expandafter\expandafter\expandafter\expandafter\expandafter
3461   {\expandafter\expandafter\expandafter\the\expandafter\expandafter\expandafter
3462   \expandafter\the\csname#1\endcsname}%
3463   }
3464 \def\bid@set@list#1{\bid@csarg{\let\expandafter\bid@cs@lista}{#1}%
3465   \bid@set@cslist\bid@cs@lista}
3466 \long\def\bid@set@cslist#1#2{\begingroup\bid@toks@lista={#2}%
3467   \global#1=\expandafter{\the\bid@toks@lista}\endgroup}
3468
3469 %%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% Stack macros
3470 %
3471 % push in terms of prepending of lists
3472 \def\bid@push@cs@onto@cs#1#2{\@bid@prepend@to@cslist#1\expandafter{\expandafter\\expandafter
3473 \def\bid@push@onto#1{\bid@csarg\bid@push@onto@cs{#1}}
3474 \def\bid@push@onto@cs#1#2{\@bid@prepend@to@cslist#1}{\{\\{#2}}}}
3475 \def\bid@local@push@onto#1#2{\let\\=\relax
3476   \bid@local@in@front@of@list{#1}{\\{#2}}}}
3477 % pop via auxiliary macro: #1 is result, #2 is stack
3478 % two cs arguments
3479 \def\bid@pop@cs@into#1#2{\edef\bid@cs@e
3480   {\noexpand\@bid@popinto\noexpand#1\noexpand#2\the#2\noexpand\@bid@pop}\bid@cs@e}
3481 % two string arguments
3482 \def\bid@pop@into#1#2{\edef\bid@cs@e
3483   {\noexpand\@bid@popinto\bid@csname{#1}\bid@csname{#2}\bid@csarg\the{#2}\noexpand\@bid
3484 \long\def\@bid@popinto#1#2\\#3#4\@bid@pop{#1}{#3}#2{#4}}
3485 \def\bid@copy@stacktop#1#2{%
3486   \edef\bid@cs@e{\noexpand\@bid@copy@stacktop
3487     {#1}\bid@csarg\the{#2}\noexpand\@bid@pop}%
3488   \bid@cs@e}
3489 \def\@bid@copy@stacktop#1\\#2#3\@bid@pop{\csname#1\endcsname#2\relax}
3490 \newcount\bid@stack@length \newtoks\bid@empty@stack \bid@empty@stack{\{\}}
3491 \def\bid@length@of@stack#1{\bid@csarg\bid@length@of@csstack{#1}}

```



```

3492 \def\bidilength@of@csstack#1{\def\##1{\advance\bidistack@length\@ne}%
3493 \bidistack@length\m@ne \the#1}
3494 % turn a stack upside down
3495 \def\bidinvert@csstack#1{\bidilength@of@csstack{#1}%
3496 \biditempcountb\z@ \biditemptoksa\biditempty@stack
3497 \loop\ifnum\biditempcountb<\bidistack@length
3498 \bidipop@cs@into\biditemptoksb#1\advance\bidistack@length\m@ne
3499 \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb
3500 % \bidipush@cs@onto@cs\biditemptoksa\biditemptoksb append a to b
3501 % \biditemptoksa\biditemptoksb
3502 \repeat% copy b to a
3503 #1\biditemptoksa \biditemptoksa\biditempty@toks}
3504 % invert a stack into a list
3505 \def\bidix@stack@to@list#1{\bidilength@of@stack{#1}%
3506 \biditempcountb\z@ \biditemptoksa\biditempty@toks
3507 \loop\ifnum\biditempcountb<\bidistack@length
3508 \bidipop@into{\biditemptoksb}{#1}\advance\bidistack@length\m@ne
3509 \bidipush@list@to@list{\biditemptoksb}{\biditemptoksa}\repeat
3510 \csname#1\endcsname\biditemptoksa \biditemptoksa\biditempty@toks}
3511
3512
3513 % General loop macro:
3514 % \looprepeat
3515 % \forvariable{<var>} \fromvalue{<start>} \bystep{<step>} \tovalue{<end>} \downtovalue{<end>}
3516 % \untilcondition{<cond>} \whilecondition{<cond>}
3517 % \doloopbody { <loop body> }
3518 % where all control sequences in between \looprepeat and \doloopbody are optional.
3519 %
3520 % var: characters to form a control sequence;
3521 % after \forvariable{index} you can access the loop counter as \index.
3522 % This is a count register; to print it use \number\index.
3523 % start,step,end: integers with obvious relations to the loop counter;
3524 % start and step have a default value of 1
3525 % cond: (sequence of commands ending in) any TeX \if... test.
3526 %
3527 % Count down instead of up with \downtovalue; the increment given in \bystep
3528 % is always positive, and is added or subtracted accordingly.
3529 %
3530 % Tests: \untilcondition is evaluated at the end of the loop body; \whilecondition
3531 % at the beginning of the loop body.
3532 %
3533 % Exit from middle of loop: \breaklooprepeat
3534 % use this at any place in the loop; in case of a conditional use
3535 % \ifsomething ... \expandafter \breaklooprepeat \fi
3536 %
3537 % Note that the line ends do not cause spaces in the output.
3538 %
3539 % Technical details:
3540 % The loop body is not executed in a group: the braces are those
3541 % of a token list.

```



```

3542 % The 'forvariable' variable is \let to a \count register.
3543
3544
3545
3546 % Auxiliary stuff
3547 \def\bidilooprepeat@csarg#1#2{\expandafter#1\csname#2\endcsname}
3548 \def\bidilooprepeat@csromannumeral#1{\csname #1\romannumeral\bidilooprepeat@depth\endcsname}
3549 \def\bidilooprepeat@csargromannumeral#1#2{\expandafter#1\csname#2\romannumeral\bidilooprepeat@depth\endcsname}
3550
3551 \newcount\bidilooprepeat@depth
3552 \let\endlooprepeat\relax \def\bidicsprotect{}
3553 % Trace switches may later be defined by PAC_utils
3554 \let\bidilooprepeat@traceinit\relax \let\bidilooprepeat@traceexit\relax
3555
3556 % Main repeatloop macro
3557 % - go to next level and allocate unique counter/toks if this is the
3558 %   first time we visit this level
3559 % - setup: gather bounds and termination conditions
3560 % - scoop up body in token list; after the assignment define and
3561 %   execute body
3562 \def\looprepeat#1\doloopbody{\bidilooprepeat@traceinit % exit in \breakrepeatloop
3563   \advance\bidilooprepeat@depth\@ne\relax
3564   \bidilooprepeat@csargromannumeral\ifx\bidilooprepeat@count\relax
3565     \bidilooprepeat@csargromannumeral{\csname newcount\expandafter\endcsname}{\bidilooprepeat@depth}
3566     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
3567     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
3568     \bidilooprepeat@csargromannumeral{\csname newtoks\expandafter\endcsname}{\bidilooprepeat@depth}
3569   \fi \bidilooprepeat@zero \def\bidilooprepeat@sign{}\def\bidilooprepeat@comp{>}\bidilooprepeat@depth
3570   \edef\bidilooprepeat@tmp
3571     {\def\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}{\bidilooprepeat@depth}
3572   \afterassignment\bidilooprepeat@dxbody\bidilooprepeat@csromannumeral{\bidilooprepeat@depth}
3573
3574 % Define and execute loop body
3575 % This is done with an \edef to construct the actual sequence
3576 \def\bidilooprepeat@dxbody{\bidilooprepeat@csargromannumeral\edef{\bidilooprepeat@body}{%
3577   \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}%
3578   \noexpand\the\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@toks}%
3579   \bidilooprepeat@csargromannumeral\the{\bidilooprepeat@utest}%
3580   \global\bidilooprepeat@csargromannumeral\advance{\bidilooprepeat@count} by \bidilooprepeat@depth
3581   \noexpand\endlooprepeat
3582   \bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@looprepeat}}%
3583 \bidilooprepeat@csromannumeral{\bidilooprepeat@body}\ignorespaces}
3584
3585 % Stop test
3586 % In order to stop, issue a
3587 % \breaklooprepeat which scoops up the rest of the body and exits
3588 \def\breaklooprepeat#1\endlooprepeat{\bidilooprepeat@zero\bidilooprepeat@csargromannumeral\
3589   \advance\bidilooprepeat@depth\@m\@ne \bidilooprepeat@traceexit
3590 }
3591

```



```

3592
3593 % Setup
3594 % gather bounds and termination conditions
3595 \def\bidilooprepeat@setup#1{%
3596   \begingroup
3597     \def\forvariable##1{%
3598       \edef\bidilooprepeat@tmp{%
3599         \global\let\bidilooprepeat@csarg\noexpand{##1}\bidilooprepeat@csromannumeral{\bidilooprepeat@csarg}%
3600         \bidilooprepeat@tmp}%
3601       \def\fromvalue##1{\bidilooprepeat@csargromannumeral\global{\bidilooprepeat@count}##1\ignorespaces}%
3602       \def\tovalue##1{%
3603         \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@csarg}%
3604         {\bidilooprepeat@csargromannumeral\the{\bidilooprepeat@wtest}}%
3605         \noexpand\ifnum\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@count}\bidilooprepeat@csarg}%
3606         \noexpand\expandafter \noexpand\breaklooprepeat
3607         \noexpand\fi}\ignorespaces}%
3608       \bidilooprepeat@tmp}%
3609     \def\downtovalue##1{%
3610       \gdef\bidilooprepeat@sign{-}\gdef\bidilooprepeat@comp{<}\tovalue{##1}\ignorespaces}%
3611     \def\bystep##1{\ifnum##1<0 \bidilooprepeat@error{LOOPREPEAT: increment has to be a positive value}\else
3612       \bidilooprepeat@csargromannumeral\gdef{\bidilooprepeat@inc}{-##1}\else
3613       \bidilooprepeat@csargromannumeral\gdef{\bidilooprepeat@inc}{##1}\fi\ignorespaces}%
3614     \def\untilcondition##1{%
3615       \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@csarg}%
3616       {\noexpand##1\relax
3617       \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3618       \bidilooprepeat@tmp}%
3619     \def\whilecondition##1{%
3620       \edef\bidilooprepeat@tmp{\global\bidilooprepeat@csargromannumeral\noexpand{\bidilooprepeat@csarg}%
3621       {\noexpand##1\relax \noexpand\else
3622       \noexpand\expandafter \noexpand\breaklooprepeat \noexpand\fi}\ignorespaces}%
3623       \bidilooprepeat@tmp}%
3624     \fromvalue{\@ne}\bystep{\@ne}#1%
3625   \endgroup}
3626 \def\bidilooprepeat@zero
3627   {\bidilooprepeat@csromannumeral{\bidilooprepeat@toks}{}\bidilooprepeat@csromannumeral{\bidilooprepeat@csarg}%
3628   \bidilooprepeat@csargromannumeral\def{\bidilooprepeat@body}{}}
3629
3630 %\tracingmacros2
3631 %\newcount\tmpcount % used in some examples below
3632
3633 %\looprepeat \forvariable{i}
3634 %      \bystep{2}
3635 %  \doloopbody {%
3636 %      \ifnum i=13 \expandafter\breaklooprepeat \fi
3637 %      \number i}%
3638 %}%
3639
3640 %\looprepeat \forvariable{iii}
3641 %      \tovalue{8}

```



```

3642% \doloopbody {}
3643%After loop: \number\iii%
3644
3645%\looprepeat \forvariable{i}
3646% \fromvalue{10}
3647% \bystep{2}
3648% \downtovalue{0}
3649% \doloopbody {\number{i}} }
3650
3651%\looprepeat \forvariable{x} \whilecondition{\ifnum\x<7}
3652% \doloopbody {\number\x} }
3653
3654%\looprepeat \tovalue{3} \doloopbody {Hello world! }
3655
3656%\looprepeat \forvariable{j}
3657% \untilcondition{\tmpcount\j \divide\tmpcount by 37 \noexpand\ifnum\tmpcount=1}
3658% \doloopbody {\number{j}} }
3659
3660%\looprepeat \forvariable{i} \bystep{2} \tovalue{10} \doloopbody
3661% {\looprepeat \forvariable{j} \fromvalue{i} \bystep{3} \tovalue{18}
3662% \doloopbody {(\number{i}.\number{j}) }
3663% }
3664
3665% infinite loop
3666%\looprepeat \doloopbody {}
3667
3668\CheckCommand{\InputIfFileExists}[2]{%
3669 \IfFileExists{#1}%
3670 {#2\@addtofilelist{#1}\@input \@filef@und}}
3671
3672\renewcommand{\InputIfFileExists}[2]{%
3673 \begingroup\expandafter\expandafter\expandafter\endgroup
3674 \expandafter\ifx\csname #1-@bidi@alias\endcsname\relax
3675 \expandafter\@secondoftwo
3676 \else
3677 \bidi@replacefile@msg{\csname #1-@bidi@alias\endcsname}{#1}%
3678 \expandafter\@firstoftwo
3679 \fi
3680 {%
3681 \expandafter\InputIfFileExists\expandafter{\csname
3682 #1-@bidi@alias\endcsname}{#2}%
3683 }%
3684 {\IfFileExists{#1}{%
3685 \bidi@load@hook{before}{#1}%
3686 #2\@addtofilelist{#1}%
3687 \@input \@filef@und
3688 \bidi@load@hook{after}{#1}%
3689 }}%
3690}
3691

```



```

3692 \newcommand*{\@bidi@loadwithoptions}{}
3693 \newcommand*{\@bidi@loadwithoptions}{}
3694 \let\@bidi@loadwithoptions\@loadwithoptions
3695
3696 \renewcommand*{\@loadwithoptions}[3]{%
3697   \begingroup\expandafter\expandafter\expandafter\endgroup
3698   \expandafter\ifx\csname #3.#1-@bidi@aliasname\endcsname\relax
3699     \def\@bidi@loadwithoptions{\@bidi@loadwithoptions{#1}{#2}{#3}}%
3700   \else
3701     \bidi@replacefile@msg{\csname #3.#1-@bidi@aliasname\endcsname.#1}{#3.#1}%
3702     \def\@bidi@loadwithoptions{%
3703       \@loadwithoptions{#1}{#2}{\csname #3.#1-@bidi@aliasname\endcsname}%
3704     }%
3705   \fi
3706   \@bidi@loadwithoptions
3707 }
3708
3709 \newcommand*{\@bidi@onefilewithoptions}{}
3710 \let\@bidi@onefilewithoptions\@onefilewithoptions
3711 \def\@onefilewithoptions#1[#2][#3]#4{%
3712   \begingroup\expandafter\expandafter\expandafter\endgroup
3713   \expandafter\ifx\csname #1.#4-@bidi@aliasname\endcsname\relax
3714     \def\@bidi@onefilewithoptions{\@bidi@onefilewithoptions{#1}}%
3715   \else
3716     \bidi@replacefile@msg{\csname #1.#4-@bidi@aliasname\endcsname.#4}{#1.#4}%
3717     \edef\@bidi@onefilewithoptions{%
3718       \noexpand\@onefilewithoptions{\csname #1.#4-@bidi@aliasname\endcsname}}%
3719   \fi
3720   \@bidi@onefilewithoptions[{#2}][{#3}]{#4}%
3721   \@bidi@load@hook{lateafter}{#1.#4}%
3722 }
3723
3724 \newcommand*{\@bidi@ReplaceInput}[2]{%
3725   \expandafter\edef\csname #1-@bidi@alias\endcsname{#2}%
3726 }
3727
3728 \newcommand*{\@bidi@UnReplaceInput}[1]{%
3729   \ifcsname #1-@bidi@alias\endcsname
3730     \expandafter\let\csname #1-@bidi@alias\endcsname\relax
3731   \fi
3732 }
3733
3734 \newcommand*{\@bidi@replacefilewithext}[3]{%
3735   \expandafter\edef\csname #1.#3-@bidi@aliasname\endcsname{#2}%
3736 }
3737 \newcommand*{\@bidi@ReplacePackage}[2]{%
3738   \@bidi@replacefilewithext{#1}{#2}\@pkgextension
3739 }
3740 \newcommand*{\@bidi@ReplaceClass}[2]{%
3741   \@bidi@replacefilewithext{#1}{#2}\@clsextension

```





```

3742 }
3743 \newcommand*{\@bidi@unreplacefilewithext}[2]{%
3744   \ifcsname #1.#2-@bidi@aliasname\endcsname
3745     \expandafter\let\csname #1.#2-@bidi@aliasname\endcsname\relax
3746   \fi
3747 }
3748 \newcommand*{\bidi@UnReplacePackage}[1]{%
3749   \@bidi@unreplacefilewithext{#1}\@pkgextension
3750 }
3751 \newcommand*{\bidi@UnReplaceClass}[1]{%
3752   \@bidi@unreplacefilewithext{#1}\@clsextension
3753 }
3754 \newcommand*{\bidi@replacefile@msg}[2]{%
3755   \PackageInfo{biditools}{inputing `#1' instead of `#2'}%
3756 }
3757
3758 \newcommand*{\bidi@load@hook}[2]{%
3759   \ifundefined{#2-@#1}{}%
3760     \@nameuse{#2-@#1}%
3761     \expandafter\let\csname #2-@#1\endcsname=\relax}}
3762 \newcommand*{\bidi@set@load@hook}[2]{%
3763   \ifundefined{#2-@#1}{\@namedef{#2-@#1}{}}}%
3764   \expandafter\g@addto@macro\csname #2-@#1\endcsname}
3765 \newcommand*{\bidi@BeforeFile}{\bidi@set@load@hook{before}}
3766 \newcommand*{\bidi@AfterFile}{\bidi@set@load@hook{after}}
3767 \newcommand*{\bidi@BeforeClass}[1]{%
3768   \bidi@set@load@hook{before}{#1.\@clsextension}}
3769 \newcommand*{\bidi@AfterClass}{%
3770   \ifstar {\@s@bidi@AfterClass}{%
3771     \@ifnextchar +\@@bidi@AfterClass{%
3772       \@ifnextchar !\@@@bidi@AfterClass\bidi@AfterClass
3773     }%
3774   }%
3775 }
3776
3777 \newcommand*{\@@@bidi@AfterClass}[2]{%
3778   \begingroup\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3779     \aftergroup\@s@bidi@AfterClass
3780   \else
3781     \aftergroup\bidi@AfterAtEndOfClass
3782   \fi
3783   \endgroup{#2}%
3784 }
3785
3786 \newcommand*{\bidi@AfterAtEndOfClass}[1]{%
3787   \bidi@set@load@hook{lateafter}{#1.\@clsextension}}
3788 \newcommand*{\@@bidi@AfterClass}[2]{%
3789   \begingroup
3790     \expandafter\ifx\csname #2.\@clsextension-h@k\endcsname\relax
3791       \aftergroup\@s@bidi@AfterClass

```



```

3792 \else
3793 \aftergroup\@bidi@AfterClass
3794 \fi
3795 \endgroup{#2}%
3796 }
3797
3798 \newcommand*{\@bidi@AfterClass}[1]{%
3799 \bidi@set@load@hook{after}{#1.\@clsextension}}
3800 \newcommand*{\@s@bidi@AfterClass}[1]{%
3801 \begingroup
3802 \ifclassloaded{#1}{%
3803 \aftergroup\@secondoftwo
3804 }{%
3805 \aftergroup\@bidi@AfterClass
3806 }%
3807 \endgroup
3808 {#1}%
3809 }
3810
3811
3812 \newcommand*{\@bidi@BeforePackage}[1]{%
3813 \bidi@set@load@hook{before}{#1.\@pkgextension}}
3814 \newcommand*{\@bidi@AfterPackage}{%
3815 \@ifstar {\@s@bidi@AfterPackage}{%
3816 \@ifnextchar +\@bidi@AfterPackage{%
3817 \@ifnextchar !\@@@bidi@AfterPackage\@bidi@AfterPackage
3818 }%
3819 }%
3820 }
3821 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3822 \begingroup\ifx\cename #2.\@pkgextension-h@@k\endcsname\relax
3823 \aftergroup\@s@bidi@AfterPackage
3824 \else
3825 \aftergroup\@bidi@AfterAtEndOfPackage
3826 \fi
3827 \endgroup{#2}%
3828 }
3829 \newcommand*{\@bidi@AfterAtEndOfPackage}[1]{%
3830 \bidi@set@load@hook{lateafter}{#1.\@pkgextension}}
3831 \newcommand*{\@@@bidi@AfterPackage}[2]{%
3832 \begingroup
3833 \expandafter\ifx\cename #2.\@pkgextension-h@@k\endcsname\relax
3834 \aftergroup\@s@bidi@AfterPackage
3835 \else
3836 \aftergroup\@bidi@AfterPackage
3837 \fi
3838 \endgroup{#2}%
3839 }
3840 \newcommand*{\@bidi@AfterPackage}[1]{%
3841 \bidi@set@load@hook{after}{#1.\@pkgextension}}

```



```

3842 \newcommand*{\@s@bidi@AfterPackage}[1]{%
3843   \begingroup
3844     \@ifpackageloaded{#1}{%
3845       \aftergroup\@secondoftwo
3846     }{%
3847       \aftergroup\@bidi@AfterPackage
3848     }%
3849   \endgroup
3850   {#1}%
3851 }
3852
3853 \newcommand*{\@bidi@excludedpackages}{}
3854 \let\@bidi@excludedpackages\@empty
3855 \newcommand*{\@bidi@saved@RequirePackage}{}
3856 \newcommand*{\@bidi@PreventPackageFromLoading}{%
3857   \@ifstar{\@bidi@PreventPackageFromLoading\PackageInfo}%
3858   {\@bidi@PreventPackageFromLoading\PackageWarning}%
3859 }
3860 \newcommand*{\@bidi@PreventPackageFromLoading}[1]{%
3861   \@ifnextchar [%]
3862   {\@bidi@PreventPackageFromLoading#1}{\@bidi@PreventPackageFromLoading#1[]}%
3863 }
3864 \newcommand*{\@bidi@PreventPackageFromLoading}{}
3865
3866 \def\@bidi@PreventPackageFromLoading#1[#2]#3{%
3867   \edef\reserved@b{\zap@space#3 \@empty}%
3868   \ifx \reserved@b\@empty
3869     #1{\@bidi@tools}{%
3870       \string\@bidi@PreventPackageFromLoading\space with empty packages\MessageBreak
3871       argument ignored%
3872     }%
3873   \else
3874     \ifx\@bidi@excludedpackages\@empty
3875       \let\@bidi@saved@RequirePackage\RequirePackage
3876       \let\RequirePackage\@bidi@RequirePackage
3877       \def\reserved@a##1##{%
3878         \@latex@error
3879         {\noexpand \usepackage before \string\documentclass}%
3880         {\noexpand \usepackage may only appear in the document
3881          preamble, i.e.,\MessageBreak
3882          between \noexpand\documentclass and
3883          \string\begin{document}.}%
3884         \@gobble}%
3885       \ifx\reserved@a\usepackage\else
3886         \ifx\usepackage\@bidi@saved@RequirePackage\else
3887           \PackageWarning{\@bidi@tools}{%
3888             Maybe serious problem: unexpected definition of\MessageBreak
3889             \string\usepackage
3890           }%
3891         \fi

```



```

3892     \let\usepackage\RequirePackage
3893   \fi
3894 \fi
3895 \expandafter\@for \expandafter\reserved@a\expandafter:\expandafter=%
3896 \reserved@b\do {%
3897   \ifx\reserved@a\@empty
3898     #1{biditools}{%
3899     empty package argument for
3900     \string\bid@PreventPackageFromLoading\MessageBreak
3901     ignored%
3902   }%
3903 \else
3904   \expandafter\@ifpackageloaded\expandafter{\reserved@a}{%
3905     #1{biditools}{%
3906     package `\'reserved@a' already loaded.\MessageBreak
3907     Cannot prevent it from being loaded%
3908   }%
3909   }{%
3910     \edef\bid@excludedpackages{\bid@excludedpackages,%
3911     \reserved@a}%
3912     \if\relax\detokenize{#2}\relax\else
3913     \@ifundefined{bid@exclude@package@\reserved@a @do}{%
3914     \@namedef{bid@exclude@package@\reserved@a @do}{%
3915     }{%
3916     \expandafter\def
3917     \csname bid@exclude@package@\reserved@a
3918     @do\expandafter\expandafter\expandafter\endcsname
3919     \expandafter\expandafter\expandafter{%
3920     \csname bid@exclude@package@\reserved@a @do\endcsname
3921     #2%
3922     }%
3923   \fi
3924   }%
3925 \fi
3926 }%
3927 \ifx\bid@excludedpackages\@empty
3928   \bid@ResetPreventPackageFromLoading
3929 \fi
3930 \fi
3931 }
3932
3933 \@onlypreamble\bid@PreventPackageFromLoading
3934 \newcommand*{\bid@ResetPreventPackageFromLoading}{%
3935   \let\bid@excludedpackages\@empty
3936   \ifx\RequirePackage\bid@RequirePackage
3937     \ifx\usepackage\RequirePackage
3938       \let\usepackage\bid@saved@RequirePackage
3939     \fi
3940     \let\RequirePackage\bid@saved@RequirePackage
3941   \fi

```



```

3942 }
3943 \@onlypreamble\bidiresetpreventpackagefromloading
3944 \newcommand*{\bidistorepreventpackagefromloading}[1]{%
3945   \let#1\bidiecludedpackages
3946 }
3947 \@onlypreamble\bidistorepreventpackagefromloading
3948 \newcommand*{\bidiecludedpackages}{%
3949   \ifstar {\@tempwatrue\bidiecludedpackages}%
3950           {\@tempwafalse\bidiecludedpackages}%
3951 }
3952
3953 \newcommand*{\bidiecludedpackages}[1]{%
3954   \edef\reserved@a{\zap@space#1 \@empty}%
3955   \if@tempwatrue
3956     \for\reserved@a:=\reserved@a\do {%
3957       \ifx\reserved@a\@empty \else
3958         \ifcsname \bidiecludedpackages\reserved@a \do\endcsname
3959           \expandafter\let
3960           \csname \bidiecludedpackages\reserved@a \do\endcsname
3961           \undefined
3962         \fi
3963       \fi
3964     }%
3965   \fi
3966   \ifcsname \bidiecludedpackages\endcsname
3967     \let\reserved@a\bidiecludedpackages
3968     \let\bidiecludedpackages\@empty
3969     \expandafter\for\expandafter\reserved@a
3970     \expandafter:\expandafter=\reserved@a
3971     \do{%
3972       \ifx\reserved@a\@empty\else
3973         \@expandtwoargs\in{\,\reserved@a,\,\reserved@a}%
3974         \ifin@
3975         \else
3976           \edef\bidiecludedpackages{%
3977             \bidiecludedpackages,\reserved@a
3978           }%
3979         \fi
3980       \fi
3981     }%
3982     \ifx\bidiecludedpackages\@empty\bidiecludedpackages\fi
3983   \fi
3984 }
3985
3986
3987 \newcommand*{\bidirequirepackage}[2][]{%
3988   \let\reserved@c\@empty
3989   \let\reserved@d\@empty
3990   \edef\reserved@a{\zap@space#2 \@empty}%
3991   \expandafter\for\expandafter\reserved@a\expandafter:\expandafter=\reserved@a

```



```

3992 \do {%
3993   \begingroup
3994   \@tempwattrue
3995   \@for\reserved@a:=\bidi@excludedpackages\do {%
3996     \ifx\reserved@a\reserved@b
3997       \@tempwafalse
3998     \fi
3999   }%
4000   \if@tempswa
4001     \xdef\reserved@c{\reserved@c,\reserved@b}%
4002   \else
4003     \ifx\reserved@b\@empty\else
4004       \PackageInfo{biditools}{Excluding package `\'reserved@b'\MessageBreak
4005         from loading}%
4006       \ifundefined{bidi@exclude@package@\reserved@b @do}{%
4007         }{%
4008           \expandafter\g@addto@macro\expandafter\reserved@d
4009           \csname bidi@exclude@package@\reserved@b @do\endcsname
4010         }%
4011       \fi
4012     \fi
4013   \endgroup
4014 }%
4015 \ifx\reserved@c\@empty
4016   \let\reserved@a\bidi@gobbleopt
4017 \else
4018   \edef\reserved@a{\noexpand\bidi@saved@RequirePackage[#1]{%
4019     \expandafter\@gobble\reserved@c\@empty}}%
4020 \fi
4021 \expandafter\reserved@d
4022 \reserved@a
4023 }
4024
4025 \newcommand{\bidi@gobbleopt}[1][{}]{%
4026 \AtEndDocument{%
4027   \let\bidi@saved@checkend=\@checkend
4028   \renewcommand*{\@checkend}[1]{%
4029     \def\reserved@a{#1}\def\reserved@b{document}%
4030     \bidi@saved@checkend{#1}%
4031     \ifx\reserved@a\reserved@b
4032       \let\bidi@saved@clearpage=\clearpage
4033       \renewcommand*{\clearpage}{\bidi@saved@clearpage
4034         \bidi@hook@bcma
4035         \bidi@restore@newpage
4036         \let\clearpage=\bidi@saved@clearpage}%
4037     \fi%
4038     \let\bidi@saved@dofilelist\@dofilelist
4039     \def\@dofilelist{%
4040       \bidi@hook@acma
4041       \let\@dofilelist\bidi@saved@dofilelist

```



```

4042     \bidi@saved@dofilelist
4043   }%
4044 }%
4045 }
4046
4047
4048 \newcommand*{\bidi@saved@checkend}{\}
4049 \newcommand*{\bidi@saved@dofilelist}{\}
4050 \newcommand*{\bidi@redefine@newpage}{\%
4051   \let\bidi@saved@newpage\newpage
4052   \def\bidi@restore@newpage{\%
4053     \renewcommand*{\newpage}{\%
4054       \PackageWarningNoLine{\%
4055         biditools\%
4056       }{\%
4057         \string\newpage\space at main aux file!\MessageBreak
4058         You have output material at the main aux file.\MessageBreak
4059         Note, that the \string\bidi@BeforeClosingMainAux\space commands\MessageBreak
4060         are processed before the output from aux file\%
4061       }%
4062       \let\newpage\bidi@saved@newpage
4063       \newpage
4064     }%
4065   }%
4066   \renewcommand*{\newpage}{\%
4067     \PackageError{\%
4068       biditools\%
4069     }{\%
4070       \string\newpage\space at \string\bidi@BeforeClosingMainAux
4071     }{\%
4072       You should never use \string\newpage\space or
4073       \string\clear(double)page or other output material at the\MessageBreak
4074       argument of \string\bidi@BeforeClosingMainAux!\MessageBreak
4075       If you'll continue, the \string\newpage\space will be ignored to
4076       avoid corruption of\MessageBreak
4077       every prior use of \string\bidi@BeforeClosingMainAux.
4078     }%
4079   }%
4080 }
4081
4082 \newcommand*{\bidi@restore@newpage}{\}
4083 \newcommand*{\bidi@hook@bcma}{\}
4084 \newcommand*{\bidi@hook@acma}{\}
4085 \newcommand*{\bidi@BeforeClosingMainAux}{\%
4086   \ifx\bidi@hook@bcma\@empty
4087     \gdef\bidi@hook@bcma{\%
4088       \renewcommand*{\bidi@BeforeClosingMainAux}[1]{####1}\%
4089       \let\protected@write\bidi@protected@immediate@write
4090       \bidi@redefine@newpage
4091     }%

```



```

4092 \fi
4093 \g@addto@macro\bid@hook@bcma%
4094 }
4095
4096 \newcommand*{\bid@AfterReadingMainAux}{%
4097 \ifx\bid@hook@acma\@empty
4098 \gdef\bid@hook@acma{%
4099 \renewcommand*{\bid@AfterReadingMainAux}[1]{###1}%
4100 \let\protected@write\bid@protected@immediate@write
4101 }%
4102 \fi
4103 \g@addto@macro\bid@hook@acma%
4104 }
4105
4106 \long\def\bid@protected@immediate@write#1#2#3{%
4107 \begingroup
4108 #2%
4109 \let\protect\@unexpandable@protect
4110 \edef\reserved@a{\immediate\write#1{#3}}%
4111 \reserved@a
4112 \endgroup
4113 \if@nobreak\ifvmode\nobreak\fi\fi
4114 }
4115
4116 \def\bid@patch@counter{0}%
4117 \if@bid@csundef{numexpr}{%
4118 \def\bid@patch@stepcounter{%
4119 \begingroup
4120 \count@\bid@patch@counter\relax
4121 \advance\count@\@ne\relax
4122 \edef\x{\endgroup
4123 \noexpand\def\noexpand\bid@patch@counter{\the\count@}%
4124 }%
4125 \x
4126 }%
4127 }{%
4128 \def\bid@patch@stepcounter{%
4129 \edef\bid@patch@counter{%
4130 \the\numexpr\bid@patch@counter+\@ne\relax
4131 }%
4132 }%
4133 }
4134 \def\bid@patch@list{}
4135 \def\bid@patch@Add{%
4136 \bid@appto\bid@patch@list
4137 }
4138 \def\bid@patch@AfterPackage#1{%
4139 \@ifpackageloaded{#1}{%
4140 \@firstofone
4141 }{%

```





```

4142 \@bidi@patch@AfterPackage{#1}%
4143 }%
4144 }
4145 \def\@bidi@patch@AfterPackage#1{%
4146 \edef\bidi@patch@temp{#1}%
4147 \bidi@patch@stepcounter
4148 \expandafter\bidi@patch@@AfterPackage
4149 \csname @bidi@patch@\bidi@patch@counter\expandafter\endcsname{%
4150 \bidi@patch@temp
4151 }%
4152 }
4153 \def\bidi@patch@@AfterPackage#1#2#3{%
4154 \begingroup
4155 \toks@{#3}%
4156 \xdef\bidi@patch@gtemp{%
4157 \noexpand\@ifpackageloaded{#2}{%
4158 \noexpand\let\noexpand#1\noexpand\relax
4159 \the\toks@
4160 }{}}%
4161 }%
4162 \endgroup
4163 \let#1\bidi@patch@gtemp
4164 \bidi@patch@Add#1%
4165 \bidi@patch@try{\bidi@AfterPackage}{#2}#1%
4166 }
4167
4168 \def\bidi@patch@try#1#2#3{%
4169 \if@bidi@csundef{#1}{-}{%
4170 \csname #1\endcsname{#2}{#3}%
4171 }%
4172 }
4173
4174 \AtBeginDocument{\bidi@patch@list}
4175
4176 \bidi@AtEndPreamble{\bidi@patch@list}%
4177
4178 \bidi@AfterEndPreamble{%
4179 \let\bidi@patch@OrgIfPackageLoaded\@ifpackageloaded
4180 \let\bidi@patch@OrgIfPackageLater\@ifpackagelater
4181 \let\bidi@patch@OrgIfClassLoaded\@ifclassloaded
4182 \let\bidi@patch@OrgIfClassLater\@ifclasslater
4183 \bidi@patch@list
4184 \let\@ifpackageloaded\bidi@patch@OrgIfPackageLoaded
4185 \let\@ifpackagelater\bidi@patch@OrgIfPackageLater
4186 \let\@ifclassloaded\bidi@patch@OrgIfClassLoaded
4187 \let\@ifclasslater\bidi@patch@OrgIfClassLater
4188 }%

```



## 21 File `bidituftefloat.sty`

```
4189 \NeedsTeXFormat{LaTeX2e}
4190 \ProvidesPackage{bidituftefloat}[2017/05/19 v0.2
4191 bidi implementation of tufte float]
4192 \RequirePackage{xifthen}
4193 \newcommand{\@bidituftefloat@pkgname}{bidituftefloat}
4194 \newcommand{\bidituftefloatError}[2]{\PackageError{\@bidituftefloat@pkgname}{#1}{#2}}
4195 \newcommand{\bidituftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidituftefloat@debug}}{\bidi
4196 \newcommand{\bidituftefloatInfoNL}[1]{\PackageInfo{\@bidituftefloat@pkgname}{#1\@gobble}}
4197 \newboolean{\@bidituftefloat@reversegeometry}
4198 \setboolean{\@bidituftefloat@reversegeometry}{false}
4199 \DeclareOption{reversegeometry}{\setboolean{\@bidituftefloat@reversegeometry}{true}}
4200 \newboolean{\@bidituftefloat@a4paper}
4201 \DeclareOption{a4paper}{\setboolean{\@bidituftefloat@a4paper}{true}}
4202 \newboolean{\@bidituftefloat@b5paper}
4203 \DeclareOption{b5paper}{\setboolean{\@bidituftefloat@b5paper}{true}}
4204 \newboolean{\@bidituftefloat@symmetric}
4205 \newboolean{\@bidituftefloat@twoside}
4206 \DeclareOption{twoside}{%
4207 \@twoside true \mparswitch true%
4208 \setboolean{\@bidituftefloat@twoside}{true}%
4209 \setboolean{\@bidituftefloat@symmetric}{true}%
4210 }
4211 \DeclareOption{oneside}{%
4212 \@twoside false \mparswitch false%
4213 \setboolean{\@bidituftefloat@twoside}{false}%
4214 \setboolean{\@bidituftefloat@symmetric}{false}%
4215 }
4216 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
4217 \newboolean{\@bidituftefloat@debug}
4218 \newcommand*{\@bidituftefloat@caption@justification}{\@bidituftefloat@justification@autodetect}
4219 \ProcessOptions
4220 %% Globally sets the length
4221 \newcommand*{\gsetlength}[2]{%
4222 \setlength{#1}{#2}%
4223 \global#1=#1\relax%
4224 }
4225
4226 %% Set the font sizes and baselines to match bidituftefloat's books
4227 \renewcommand\normalsize{%
4228 \setfontsize\normalsize\@xpt{14}%
4229 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
4230 \abovedisplayshortskip \z@ \@plus3\p@
4231 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
4232 \belowdisplayskip \abovedisplayskip
4233 \let\@listi\@listI}
4234 \normalbaselineskip=14pt
4235 \normalsize
4236 \renewcommand\footnotesize{%
```



```

4237 \@setfontsize\footnotesize\@viipt{10}%
4238 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
4239 \abovedisplayshortskip \z@ \@plus\p@
4240 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
4241 \def\@listi{\leftmargin\leftmargini
4242           \topsep 3\p@ \@plus\p@ \@minus\p@
4243           \parsep 2\p@ \@plus\p@ \@minus\p@
4244           \itemsep \parsep}%
4245 \belowdisplayskip \abovedisplayskip
4246 }
4247 %% Paragraph indentation and separation for marginal text
4248 \newcommand{\@biditytfloat@margin@par}{%
4249   \setlength{\RaggedRightParindent}{0.5pc}%
4250   \setlength{\JustifyingParindent}{0.5pc}%
4251   \setlength{\parindent}{0.5pc}%
4252   \setlength{\parskip}{0pt}%
4253 }
4254 \RequirePackage{ragged2e}
4255 \ifthenelse{\boolean{@biditytfloat@reversegeometry}}{%
4256   \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar]{ragged2e}
4257 }{\ifthenelse{\boolean{@biditytfloat@a4paper}}{
4258   {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar}{}}
4259 }{\ifthenelse{\boolean{@biditytfloat@b5paper}}{
4260   {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar}{}}
4261 }{\ifthenelse{\boolean{@biditytfloat@letterpaper}}{
4262   {\geometry{letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar}{}}
4263 }{\ifthenelse{\boolean{@biditytfloat@a4paper}}{
4264   {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpar}{}}
4265 }{\ifthenelse{\boolean{@biditytfloat@b5paper}}{
4266   {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,marginpar}{}}
4267 }{\ifthenelse{\boolean{@biditytfloat@symmetric}}{
4268   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
4269 }{\setlength{\marginparpush}{10pt}}
4270 }
4271 %% Font for margin items
4272 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
4273 \newcommand*{\@biditytfloat@captionfont}{\@biditytfloat@marginfont}
4274 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@captionfont}{#1}}
4275 \newcommand{\@biditytfloat@justification}{\justifying}%
4276 \setlength{\abovedisplayskip}{6pt plus 2pt minus 4pt}
4277 \setlength{\belowdisplayskip}{6pt plus 2pt minus 4pt}
4278 \newboolean{@biditytfloat@changepage}
4279 \ifFileExists{changepage.sty}{%
4280   \biditytfloatDebugInfoNL{Found changepage.sty}
4281   \RequirePackage[strict]{changepage}
4282   \setboolean{@biditytfloat@changepage}{true}
4283 }{%

```



```

4287 \biditytfloatDebugInfoNL{Found chngpage.sty}
4288 \RequirePackage[strict]{chngpage}
4289 \setboolean{@biditytfloat@changepage}{false}
4290 }
4291 \newboolean{@biditytfloat@odd@page}
4292 \setboolean{@biditytfloat@odd@page}{true}
4293 \newcommand*{\@biditytfloat@checkoddpag}{%
4294 \checkoddpag%
4295 \ifthenelse{boolean{@biditytfloat@changepage}}{%
4296 \ifoddpag%
4297 \setboolean{@biditytfloat@odd@page}{true}%
4298 \else%
4299 \setboolean{@biditytfloat@odd@page}{false}%
4300 \fi%
4301 }{%
4302 \ifcpoddpag%
4303 \setboolean{@biditytfloat@odd@page}{true}%
4304 \else%
4305 \setboolean{@biditytfloat@odd@page}{false}%
4306 \fi%
4307 }%
4308 }
4309 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running head
4310 \newlength{\@biditytfloat@fullwidth}
4311 \newlength{\@biditytfloat@caption@fill}
4312 \newcommand{\biditytfloatRecalculate}{%
4313 \setlength{\@biditytfloat@overhang}{\marginparwidth}
4314 \addtolength{\@biditytfloat@overhang}{\marginparsep}
4315
4316 \setlength{\@biditytfloat@fullwidth}{\textwidth}
4317 \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
4318 \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
4319
4320 \setlength{\@biditytfloat@caption@fill}{\textwidth}
4321 \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
4322 }
4323 \AtBeginDocument{\biditytfloatRecalculate}
4324 \RequirePackage{optparams}% provides multiple optional arguments for commands
4325 \RequirePackage{placeins}
4326 \newsavebox{\@biditytfloat@margin@floatbox}
4327 \newenvironment{@biditytfloat@margin@float}[2][1.2ex]%
4328 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in or
4329 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
4330 \begin{minipage}{\marginparwidth}%
4331 \@biditytfloat@caption@font%
4332 \def\@cotype{#2}%
4333 \hbox{\vspace*{#1}%
4334 \@biditytfloat@caption@justification%
4335 \@biditytfloat@margin@par%
4336 \noindent%

```



```

4337 }
4338 {\end{minipage}}%
4339 \end{lrbox}}%
4340 \marginpar{\usebox{\@biditytfloat@margin@floatbox}}}%
4341 }
4342 \newenvironment{marginfigure}[1][~1.2ex]%
4343 {\begin{@biditytfloat@margin@float}[#1]{figure}}
4344 {\end{@biditytfloat@margin@float}}
4345 \newenvironment{margintable}[1][~1.2ex]%
4346 {\begin{@biditytfloat@margin@float}[#1]{table}}
4347 {\end{@biditytfloat@margin@float}}
4348 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
4349
4350 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float
4351 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
4352 \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}{%
4353 {\def\@biditytfloat@float@debug@info{#1}}%
4354 {\g@addto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}}%
4355 }
4356 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
4357 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug-
4358 \newboolean{@biditytfloat@float@recto}
4359 \newcommand{\forcerectofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{true}\@biditytfloat-
4360 \newcommand{\forceeversofloat}{\GlobalSetBoolean{@biditytfloat@float@recto}{false}\@biditytfloat-
4361 \newsavebox{\@biditytfloat@figure@box}
4362 \newsavebox{\@biditytfloat@caption@box}
4363 \let\@biditytfloat@orig@float\@float
4364 \let\@biditytfloat@orig@endfloat\endfloat
4365 \newlength{\@biditytfloat@caption@vertical@offset}
4366 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
4367 \newcommand{\@biditytfloat@stored@shortcaption}{%
4368 \newcommand{\@biditytfloat@stored@caption}{%
4369 \newcommand{\@biditytfloat@stored@label}{%
4370 \long\def\@biditytfloat@caption[#1][#2]#3{%
4371 \ifthenelse{\isempty{#1}}{%
4372 {\gdef\@biditytfloat@stored@shortcaption{#3}}%
4373 {\gdef\@biditytfloat@stored@shortcaption{#1}}%
4374 \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to low
4375 \gdef\@biditytfloat@stored@caption{#3}%
4376 }
4377 \newcommand{\@biditytfloat@label}[1]{%
4378 \gdef\@biditytfloat@stored@label{#1}%
4379 }
4380 \newcommand{\@biditytfloat@fps}{%
4381 \newboolean{@biditytfloat@float@star}
4382 \newlength{\@biditytfloat@float@contents@width}
4383 \newenvironment{@biditytfloat@float}[3][htbp]%
4384 {% begin @biditytfloat@float
4385 % Should this float be full-width or just text-width?
4386 \ifthenelse{\equal{#3}{star}}{%

```



```

4387     {\GlobalSetBoolean{@biditytffloat@float@star}{true}}%
4388     {\GlobalSetBoolean{@biditytffloat@float@star}{false}}%
4389 % Check page side (recto/verso) and store detected value -- can be overridden in environmen
4390 \@biditytffloat@checkoddpag%
4391 \ifthenelse{\boolean{@biditytffloat@odd@page}}%
4392     {\GlobalSetBoolean{@biditytffloat@float@recto}{true}\@biditytffloat@float@debug{Detect
4393     {\GlobalSetBoolean{@biditytffloat@float@recto}{false}\@biditytffloat@float@debug{Detect
4394 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages,
4395 \renewcommand{\@biditytffloat@fps}{#1}%
4396 \@biditytffloat@float@debug{Allowed positions: [#1]}%
4397 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
4398     {\renewcommand{\floatalignment}{b}\@biditytffloat@float@debug{Presumed position: [botto
4399     {\renewcommand{\floatalignment}{t}\@biditytffloat@float@debug{Presumed position: [top]}
4400 % Capture the contents of the \caption and \label commands to use later
4401 \global\let\@biditytffloat@orig@caption\caption%
4402 \global\let\@biditytffloat@orig@label\label%
4403 \renewcommand{\caption}{\optparams{\@biditytffloat@caption}{[] [Opt]}}%
4404 \renewcommand{\label}[1]{\@biditytffloat@label{##1}}%
4405 % Handle subfigure package compatibility
4406 \ifthenelse{\boolean{@biditytffloat@packages@subfigure}}{%
4407     \bidi@patchcmd{\subfigure}{%
4408     \let\subfig@oldlabel=\label
4409     }{%
4410     \let\subfig@oldlabel=\@biditytffloat@orig@label
4411     }
4412     {}
4413     {}
4414     \let\subtable=\subfigure
4415 }{% subfigure package is not loaded
4416 \@biditytffloat@orig@float{#2}[#1]%
4417 \ifthenelse{\boolean{@biditytffloat@float@star}}%
4418     {\setlength{\@biditytffloat@float@contents@width}{\@biditytffloat@fullwidth}}%
4419     {\setlength{\@biditytffloat@float@contents@width}{\textwidth}}%
4420 \begin{lrbox}{\@biditytffloat@figure@box}%
4421     \begin{minipage}[\floatalignment]{\@biditytffloat@float@contents@width}\hbox{%
4422 }{% end @biditytffloat@float
4423     \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% al
4424     \end{minipage}%
4425 \end{lrbox}%
4426 % build the caption box
4427 \begin{lrbox}{\@biditytffloat@caption@box}%
4428     \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
4429         \ifthenelse{\NOT\equal{\@biditytffloat@stored@caption}{}}{\@biditytffloat@orig@capt
4430         \ifthenelse{\NOT\equal{\@biditytffloat@stored@label}{}}{\@biditytffloat@orig@label{
4431         \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
4432     \end{minipage}%
4433 \end{lrbox}%
4434 % now typeset the stored boxes
4435 \begin{fullwidth}%
4436     \begin{minipage}[\floatalignment]{\linewidth}%

```



```

4437 \ifthenelse{\boolean{@biditytfloat@float@star}}%
4438 {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@bidityt
4439 {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@bidityt
4440 \end{minipage}%
4441 \end{fullwidth}%
4442 \@biditytfloat@orig@endfloat% end original LaTeX float environment
4443 % output debug info
4444 \ifthenelse{\boolean{@biditytfloat@debug}}{%
4445 \typeout{^^J^^J----- biditytfloat package float information -----}%
4446 \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
4447 {\typeout{Warning: Float unlabeled!}}%
4448 {\typeout{Float label: [\@biditytfloat@stored@label]}}%
4449 \typeout{Page number: [\thepage]}%
4450 \def\MessageBreak{^^J}%
4451 \typeout{\@biditytfloat@float@debug@info}%
4452 \ifthenelse{\boolean{@biditytfloat@symmetric}}%
4453 {\typeout{Symmetric: [true]}}%
4454 {\typeout{Symmetric: [false]}}%
4455 \typeout{-----^^J^^J}%
4456 }}%
4457 % reset commands and temp boxes and captions
4458 \gdef\@biditytfloat@float@debug@info{%
4459 \let\caption\@biditytfloat@orig@caption%
4460 \let\label\@biditytfloat@orig@label%
4461 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
4462 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
4463 \gdef\@biditytfloat@stored@shortcaption{%
4464 \gdef\@biditytfloat@stored@caption{%
4465 \gdef\@biditytfloat@stored@label{%
4466 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
4467 }
4468 \newcommand{\@biditytfloat@float@textwidth}[3][Opt]{%
4469 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@recto}}%
4470 % asymmetric or page is odd, so caption is on the right
4471 \hbox{%
4472 \usebox{#2}%
4473 \hspace{\marginparsep}%
4474 \smash{\raisebox{#1}{\usebox{#3}}}%
4475 }
4476 \@biditytfloat@float@debug{Caption position: [right]}%
4477 }{% symmetric pages and page is even, so caption is on the left
4478 \hbox{%
4479 \smash{\raisebox{#1}{\usebox{#3}}}%
4480 \hspace{\marginparsep}%
4481 \usebox{#2}%
4482 }
4483 \@biditytfloat@float@debug{Caption position: [left]}%
4484 }%
4485 }
4486 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%

```



```

4487 \ifthenelse{\equal{\floatalignment}{b}}{%
4488     {% place caption above figure
4489         \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@re
4490             {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{
4491             {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{
4492     }} place caption below figure
4493         \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@re
4494             {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{
4495             {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{
4496     }}%
4497 }
4498 \renewenvironment{figure}[1][htbp]%
4499     {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
4500     {\end{@biditytfloat@float}}
4501 \renewenvironment{table}[1][htbp]
4502     {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
4503     {\end{@biditytfloat@float}}
4504 \renewenvironment{figure*}[1][htbp]%
4505     {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
4506     {\end{@biditytfloat@float}}
4507 \renewenvironment{table*}[1][htbp]%
4508     {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
4509     {\end{@biditytfloat@float}}
4510 \newenvironment{fullwidth}
4511     {\ifthenelse{\boolean{@biditytfloat@symmetric}}}%
4512     {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@overhang}}
4513     {\begin{adjustwidth*}{-}\@biditytfloat@overhang}}%
4514 }%
4515 {\ifthenelse{\boolean{@biditytfloat@symmetric}}}%
4516     {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
4517     {\end{adjustwidth}}}%
4518 }
4519 \long\def\@caption#1[#2]#3{%
4520     \par%
4521     \addcontentsline{\csname ext@#1\endcsname}{#1}%
4522     {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
4523     \begingroup%
4524         \@parboxrestore%
4525         \if@minipage%
4526             \setminipage%
4527         \fi%
4528         \@biditytfloat@caption@font\@biditytfloat@caption@justification%
4529         \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
4530         %\makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
4531     \endgroup}%
4532 %%
4533 % Turns newlines into spaces. Based on code from the `titlesec' package.
4534 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
4535     \@ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
4536 }

```





```

4537 \def\@bidityfteheading@newlinetospace@i{%
4538   \ifdim\lastskip>\z@\else\space\fi
4539   \ignorespaces%
4540 }
4541 \DeclareRobustCommand{\newlinetospace}[1]{%
4542   \let\@bidityfteheading@orig@cr\\% save the original meaning of \\
4543   \def\\{\@bidityfteheading@newlinetospace}% turn \\ and \\* into \space
4544   \let\newline\\% turn \newline into \space
4545   #1%
4546   \let\\\\@bidityfteheading@orig@cr% revert to original meaning of \\
4547 }
4548 \RequirePackage{fancyhdr}
4549 \pagestyle{fancy}
4550 \AtBeginDocument{%
4551   \ifthenelse{\boolean{@bidityftefloat@symmetric}}
4552     {\fancyhfoffset[LE,RO]{\@bidityftefloat@overhang}}
4553     {\fancyhfoffset[RE,RO]{\@bidityftefloat@overhang}}
4554 }
4555 % The running heads/feet don't have rules
4556 \renewcommand{\headrulewidth}{0pt}
4557 \renewcommand{\footrulewidth}{0pt}
4558 % The 'fancy' page style is the default style for all pages.
4559 \fancyhf{} % clear header and footer fields
4560   \ifthenelse{\boolean{@bidityftefloat@symmetric}}
4561     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
4562     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4563     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
4564 % The 'plain' page style is used on chapter opening pages.
4565 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
4566 % bottom of pages -- the folios are unexpressed.
4567 \fancypagestyle{plain}{
4568   \fancyhf{} % clear header and footer fields
4569   % Uncomment the following five lines of code if you want the opening page
4570   % of the chapter to express the folio in the lower outside corner.
4571   % \ifthenelse{\boolean{@bidityftefloat@symmetric}}
4572   %   {\fancyfoot[LE,RO]{\thepage}}
4573   %   {\fancyfoot[RE,RO]{\thepage}}
4574 }
4575 % The 'empty' page style suppresses all headers and footers.
4576 % It's used on title pages and 'intentionally blank' pages.
4577 \fancypagestyle{empty}{
4578   \fancyhf{} % clear header and footer fields
4579 }
4580 \def\morefloats{% provides a total of 52 floats
4581   \ifthenelse{\isundefined{\bx@S}}{%
4582     \bidityftefloatDebugInfoNL{Adding 34 more float slots.}
4583     \newinsert\bx@S
4584     \newinsert\bx@T
4585     \newinsert\bx@U
4586     \newinsert\bx@V

```



```

4587 \newinsert\bx@W
4588 \newinsert\bx@X
4589 \newinsert\bx@Y
4590 \newinsert\bx@Z
4591 \newinsert\bx@a
4592 \newinsert\bx@b
4593 \newinsert\bx@c
4594 \newinsert\bx@d
4595 \newinsert\bx@e
4596 \newinsert\bx@f
4597 \newinsert\bx@g
4598 \newinsert\bx@h
4599 \newinsert\bx@i
4600 \newinsert\bx@j
4601 \newinsert\bx@k
4602 \newinsert\bx@l
4603 \newinsert\bx@m
4604 \newinsert\bx@n
4605 \newinsert\bx@o
4606 \newinsert\bx@p
4607 \newinsert\bx@q
4608 \newinsert\bx@r
4609 \newinsert\bx@s
4610 \newinsert\bx@t
4611 \newinsert\bx@u
4612 \newinsert\bx@v
4613 \newinsert\bx@w
4614 \newinsert\bx@x
4615 \newinsert\bx@y
4616 \newinsert\bx@z
4617 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4618 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4619 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4620 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4621 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4622 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4623 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4624 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4625 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4626 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4627 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4628 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
4629 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
4630 \ifthenelse{\isundefined\bx@AA}{%
4631 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
4632 \newinsert\bx@AA
4633 \newinsert\bx@BB
4634 \newinsert\bx@CC
4635 \newinsert\bx@DD
4636 \newinsert\bx@EE

```



```

4637 \newinsert\bx@FF
4638 \newinsert\bx@GG
4639 \newinsert\bx@HH
4640 \newinsert\bx@II
4641 \newinsert\bx@JJ
4642 \newinsert\bx@KK
4643 \newinsert\bx@LL
4644 \newinsert\bx@MM
4645 \newinsert\bx@NN
4646 \newinsert\bx@OO
4647 \newinsert\bx@PP
4648 \newinsert\bx@QQ
4649 \newinsert\bx@RR
4650 \newinsert\bx@SS
4651 \newinsert\bx@TT
4652 \newinsert\bx@UU
4653 \newinsert\bx@VV
4654 \newinsert\bx@WW
4655 \newinsert\bx@XX
4656 \newinsert\bx@YY
4657 \newinsert\bx@ZZ
4658 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
4659 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
4660 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
4661 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
4662 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
4663 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
4664 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
4665 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
4666 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
4667 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
4668 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
4669 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
4670 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
4671 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
4672 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
4673 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
4674 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
4675 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
4676 }{%
4677 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageB
4678 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\
4679 }%
4680 }%
4681 }
4682 \newboolean{@biditytfloat@packages@subfigure}
4683 \setboolean{@biditytfloat@packages@subfigure}{false}
4684 \AtBeginDocument{%
4685 \ifpackageloaded{subfigure}
4686 {\GlobalSetBoolean{@biditytfloat@packages@subfigure}{true}}

```



```

4687   {\GlobalSetBoolean{@bidituftefloat@packages@subfigure}{false}}%
4688 }
4689 \AtBeginDocument{%
4690   \ifpackageloaded{float}{%
4691     % Save the redefined float environment (instead of the LaTeX float environment)
4692     \let\@bidituftefloat@orig@float\float
4693     \let\@bidituftefloat@orig@endfloat\endfloat
4694
4695     % Define Tuftian float styles (with the caption in the margin)
4696     \newcommand{\floatc@bidituftefloatplain}[2]{%
4697       \begin{lrbox}{\@bidituftefloat@caption@box}%
4698       \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{%
4699         \@bidituftefloat@caption@font{\@fs@cfont #1:} #2\par%
4700       }\end{minipage}%
4701       \end{lrbox}%
4702       \smash{\hspace{\@bidituftefloat@caption@fill}\usebox{\@bidituftefloat@caption@box}}%
4703     }
4704     \newcommand{\fs@bidituftefloatplain}{%
4705       \def\@fs@cfont{\@bidituftefloat@caption@font}%
4706       \let\@fs@capt\floatc@bidituftefloatplain%
4707       \def\@fs@pre{%
4708         \def\@fs@post{%
4709           \def\@fs@mid{%
4710             \let\@fs@iftopcapt\iftrue%
4711           }
4712           \let\fs@bidituftefloatplaintop=\fs@bidituftefloatplain
4713           \let\floatc@bidituftefloatplaintop=\floatc@bidituftefloatplain
4714           \newcommand\floatc@bidituftefloatruled[2]{%
4715             {\@fs@cfont #1} #2\par%
4716           }
4717           \newcommand\fs@bidituftefloatruled{%
4718             \def\@fs@cfont{\@bidituftefloat@caption@font}%
4719             \let\@fs@capt\floatc@bidituftefloatplain%
4720             \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
4721             \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
4722             \def\@fs@mid{%
4723               \let\@fs@iftopcapt\iftrue%
4724             }
4725             \newcommand\fs@bidituftefloatboxed{%
4726               \def\@fs@cfont{}%
4727               \let\@fs@capt\floatc@bidituftefloatplain%
4728               \def\@fs@pre{%
4729                 \setbox\@currbox\vbox{\hbadness10000
4730                 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
4731                 \hrule \hbox to\hsize{\vrule\kern3pt
4732                 \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}%
4733               }%
4734               \def\@fs@mid{\kern2pt}%
4735               \def\@fs@post{%
4736                 \let\@fs@iftopcapt\iftrue%

```



```

4737 }
4738 }{%
4739 % Nothing to do
4740 }
4741 }
4742 \AtBeginDocument{%
4743 \ifpackageloaded{algorithm}{%
4744 % Set the float style to the Tufte version
4745 \ifthenelse{equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{list}}{}{
4746 \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle}\MessageBreak
4747 \floatstyle{bidituftefloat\ALG@floatstyle}%
4748 \restylefloat{algorithm}%
4749 }{}%
4750 }{%
4751 % Nothing to do
4752 }
4753 }
4754 \PassOptionsToPackage{caption=false}{subfig}

```

```

4755 \NeedsTeXFormat{LaTeX2e}
4756 \ProvidesPackage{bidityftesidenote}[2017/08/09 v0.4
4757 bidi implementation of tufte sidenote]
4758 \RequirePackage{xifthen}
4759 \RequirePackage{ragged2e}
4760 \RequirePackage{setspace}
4761 \RequirePackage{biditytools}
4762 \def\bidityftesidenotemarginpar{%
4763   \ifhmode
4764     \@bsphack
4765     \@floatpenalty -\@Mii
4766   \else
4767     \@floatpenalty-\@Miii
4768   \fi
4769   \ifinner
4770     \@parmoderr
4771     \@floatpenalty\z@
4772   \else
4773     \@next\@currbox\@freelist{}{}%
4774     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4775     {\@floatpenalty\z@
4776       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4777   \fi
4778   \@ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteympar}
4779 \long\def\@bidityftesidenotexmpar[#1]#2{%
4780   \@bidityftesidenotesavemarbox\@marbox{#1}%
4781   \@bidityftesidenotesavemarbox\@currbox{#2}%
4782   \@xympar}
4783 \long\def\@bidityftesidenoteympar#1{%

```



```

4784 \@bidityftesidenotesavemarbox\@marbox{#1}%
4785 \global\setbox\@currbox\copy\@marbox
4786 \@xympar}
4787 \long\def \@bidityftesidenotesavemarbox #1#2{%
4788 \global\setbox #1%
4789 \color@vbox
4790 \vtop{%
4791 \hsize\marginparwidth
4792 \@parboxrestore
4793 \@bidityftesidenotemarginparreset
4794 #2%
4795 \@minipagefalse
4796 \outer@nobreak
4797 }%
4798 \color@endbox
4799 }
4800 \def \@bidityftesidenotemarginparreset {%
4801 \reset@font
4802 \normalsize
4803 \@minipagetrue
4804 \everypar{\@minipagefalse\everypar{}}\if@RTL@footnote\beginR\else\beginL\fi}%
4805 }
4806 \def\LTRbidityftesidenotemarginpar{%
4807 \ifhmode
4808 \@bsphack
4809 \@floatpenalty -\@Mii
4810 \else
4811 \@floatpenalty-\@Miii
4812 \fi
4813 \ifinner
4814 \@parmoderr
4815 \@floatpenalty\z@
4816 \else
4817 \@next\@currbox\@freelist{ }{}%
4818 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4819 {\@floatpenalty\z@
4820 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4821 \fi
4822 \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
4823 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
4824 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4825 \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
4826 \@xympar}
4827 \long\def\@LTRbidityftesidenoteympar#1{%
4828 \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
4829 \global\setbox\@currbox\copy\@marbox
4830 \@xympar}
4831 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
4832 \global\setbox #1%
4833 \color@vbox

```



```

4834 \vtop{%
4835 \hsize\marginparwidth
4836 \@parboxrestore
4837 \@LTRbidityftesidenotemarginparreset
4838 #2%
4839 \@minipagefalse
4840 \outer@nobreak
4841 }%
4842 \color@endbox
4843 }
4844 \def \@LTRbidityftesidenotemarginparreset {%
4845 \reset@font
4846 \normalsize
4847 \@minipagetrue
4848 \everypar{\@minipagefalse\everypar{}\beginL}%
4849 }
4850 \def \RTLbidityftesidenotemarginpar{%
4851 \ifhmode
4852 \@bsphack
4853 \@floatpenalty -\@Mii
4854 \else
4855 \@floatpenalty-\@Miii
4856 \fi
4857 \ifinner
4858 \@parmoderr
4859 \@floatpenalty\z@
4860 \else
4861 \@next\@currbox\@freelist{}\}%
4862 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
4863 {\@floatpenalty\z@
4864 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
4865 \fi
4866 \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteypar}
4867 \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
4868 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4869 \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
4870 \@xympar}
4871 \long\def\@RTLbidityftesidenoteypar#1{%
4872 \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
4873 \global\setbox\@currbox\copy\@marbox
4874 \@xympar}
4875 \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
4876 \global\setbox #1%
4877 \color@vbox
4878 \vtop{%
4879 \hsize\marginparwidth
4880 \@parboxrestore
4881 \@RTLbidityftesidenotemarginparreset
4882 #2%
4883 \@minipagefalse

```



```

4884         \outer@nobreak
4885     }%
4886     \color@endbox
4887 }
4888 \def \@RTLbidituftesidenotemarginparreset {%
4889     \reset@font
4890     \normalsize
4891     \@minipagetrue
4892     \everypar{\@minipagefalse\everypar{}\beginR}%
4893 }
4894 \newcommand*{\@bidituftesidenote@marginfont}{\normalfont\footnotesize}
4895 \newcommand*{\@bidituftesidenote@LTRmarginfont}{\normalfont\footnotesize}
4896 \newcommand*{\@bidituftesidenote@RTLmarginfont}{\normalfont\footnotesize}
4897 \newcommand*{\@bidituftesidenote@sidenote@font}{\@bidituftesidenote@marginfont}
4898 \newcommand*{\@bidituftesidenote@LTRsidenote@font}{\@bidituftesidenote@LTRmarginfont}
4899 \newcommand*{\@bidituftesidenote@RTLSidenote@font}{\@bidituftesidenote@RTLmarginfont}
4900 \newcommand*{\@bidituftesidenote@marginnote@font}{\@bidituftesidenote@marginfont}
4901 \newcommand*{\@bidituftesidenote@LTRmarginnote@font}{\@bidituftesidenote@LTRmarginfont}
4902 \newcommand*{\@bidituftesidenote@RTLmarginnote@font}{\@bidituftesidenote@RTLmarginfont}
4903 \newcommand*{\@bidituftesidenote@citation@font}{\@bidituftesidenote@marginfont}
4904 \newcommand*{\@bidituftesidenote@LTRcitation@font}{\@bidituftesidenote@LTRmarginfont}
4905 \newcommand*{\@bidituftesidenote@RTLCitation@font}{\@bidituftesidenote@RTLmarginfont}
4906 \newcommand*{\setsidenote@font}[1]{\renewcommand*{\@bidituftesidenote@sidenote@font}{#1}}
4907 \newcommand*{\setLTRsidenote@font}[1]{\renewcommand*{\@bidituftesidenote@LTRsidenote@font}{#1}}
4908 \newcommand*{\setRTLSidenote@font}[1]{\renewcommand*{\@bidituftesidenote@RTLSidenote@font}{#1}}
4909 \newcommand*{\setmarginnote@font}[1]{\renewcommand*{\@bidituftesidenote@marginnote@font}{#1}}
4910 \newcommand*{\setLTRmarginnote@font}[1]{\renewcommand*{\@bidituftesidenote@LTRmarginnote@font}{#1}}
4911 \newcommand*{\setRTLmarginnote@font}[1]{\renewcommand*{\@bidituftesidenote@RTLmarginnote@font}{#1}}
4912 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidituftesidenote@citation@font}{#1}}
4913 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidituftesidenote@LTRcitation@font}{#1}}
4914 \newcommand*{\setRTLCitationfont}[1]{\renewcommand*{\@bidituftesidenote@RTLCitation@font}{#1}}
4915 \newcommand*{\@bidituftesidenote@sidenote@justification}{\@bidituftesidenote@justification@autodetect}
4916 \newcommand*{\@bidituftesidenote@marginnote@justification}{\@bidituftesidenote@justification@autodetect}
4917 \newcommand*{\@bidituftesidenote@citation@justification}{\@bidituftesidenote@justification@autodetect}
4918 \newcommand*{\@bidituftesidenote@justification@autodetect}{\justifying}%
4919 \newcommand{\@bidituftesidenote@margin@par}{%
4920     \setlength{\RaggedRightParindent}{0.5pc}%
4921     \setlength{\JustifyingParindent}{0.5pc}%
4922     \setlength{\parindent}{0.5pc}%
4923     \setlength{\parskip}{0pt}%
4924 }
4925 %%
4926 % Globally sets the length
4927 \ifundefined{gsetlength}{%
4928 \newcommand*{gsetlength}[2]{%
4929     \setlength{#1}{#2}%
4930     \global#1=#1\relax%
4931 }%
4932 }{}
4933

```





```

4934 %%
4935 % A function that removes leading and trailing spaces from the supplied macro.
4936 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
4937 % Executing \@bidityftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
4938 % being trimmed of leading and trailing white space.
4939 \catcode\Q=3
4940 \def\@bidityftesidenote@trim@spaces#1{%
4941   % Use grouping to emulate a multi-token afterassignment queue
4942   \begingroup%
4943   % Put \toks 0 {' into the afterassignment queue
4944   \aftergroup\toks\aftergroup0\aftergroup{%
4945   % Apply \trimb to the replacement text of #1, adding a leading
4946   % \noexpand to prevent brace stripping and to serve another purpose
4947   % later.
4948   \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
4949   % Transfer the trimmed text back into #1.
4950   \edef#1{\the\toks0}%
4951 }
4952 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
4953 % clean up any leftover bizarre Qs, and trim a leading space. In
4954 % order for \trimc to work properly we need to put back a Q first.
4955 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
4956 % Execute \vfuzz assignment to remove leading space; the \noexpand
4957 % will now prevent unwanted expansion of a macro or other expandable
4958 % token at the beginning of the trimmed text. The \endgroup will feed
4959 % in the \aftergroup tokens after the \vfuzz assignment is completed.
4960 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
4961 \catcode\Q=11
4962 %%
4963 % Citations should go in the margin as sidenotes
4964
4965 \RequirePackage{natbib}
4966 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography envi
4967 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
4968 \renewcommand\BR@b@bibitem[2][{}]{%
4969   \ifthenelse{\isempty{#1}}{%
4970     {\BR@bibitem{#2}}%
4971     {\BR@bibitem[#1]{#2}}%
4972   \BR@c@bibitem{#2}%
4973 }
4974 \bidi@AtEndPreamble{\nobibliography*} % pre-loads the bibliography keys
4975 %%
4976 % Normal \cite behavior
4977 \newcounter{@bidityftesidenote@num@bibkeys}%
4978 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
4979   % Snag the last bibentry in the list for later comparison
4980   \let\@temp@last@bibkey\empty%
4981   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
4982   \sidenote[] [#1]{%
4983     % Loop through all the bibentries, separating them with semicolons and spaces

```



```

4984 \normalsize\normalfont\@bidityftesidenote@citation@font%
4985 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
4986 \@for\@temp@bibkeyx:=#2\do{%
4987   \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
4988     {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
4989     \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4990     \bibentry{\@temp@bibkeyx}}%
4991     {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
4992     \bibentry{\@temp@bibkeyx};\ }%
4993   \stepcounter{@bidityftesidenote@num@bibkeys}%
4994   }%
4995 }%
4996 }
4997 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
4998   % Snag the last bibentry in the list for later comparison
4999   \let\@temp@last@bibkey\@empty%
5000   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5001   \LTRsidenote[] [#1]{%
5002     % Loop through all the bibentries, separating them with semicolons and spaces
5003     \normalsize\normalfont\@bidityftesidenote@LTRcitation@font%
5004     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5005     \@for\@temp@bibkeyx:=#2\do{%
5006       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5007         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5008         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5009         \bibentry{\@temp@bibkeyx}}%
5010         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5011         \bibentry{\@temp@bibkeyx};\ }%
5012       \stepcounter{@bidityftesidenote@num@bibkeys}%
5013       }%
5014     }%
5015   }
5016 \newcommand{\@bidityfteRTLsidenote@normal@cite}[2][Opt]{%
5017   % Snag the last bibentry in the list for later comparison
5018   \let\@temp@last@bibkey\@empty%
5019   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
5020   \RTLsidenote[] [#1]{%
5021     % Loop through all the bibentries, separating them with semicolons and spaces
5022     \normalsize\normalfont\@bidityftesidenote@citation@font%
5023     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
5024     \@for\@temp@bibkeyx:=#2\do{%
5025       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5026         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5027         \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5028         \bibentry{\@temp@bibkeyx}}%
5029         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5030         \bibentry{\@temp@bibkeyx};\ }%
5031       \stepcounter{@bidityftesidenote@num@bibkeys}%
5032       }%
5033     }%

```



```

5034 }
5035 %%
5036 % Macros for holding the list of cite keys until after the \sidenote
5037 \gdef\@bidityftesidenote@citations{}% list of cite keys
5038 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite
5039 \ifx\@bidityftesidenote@citations\@empty\else
5040 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
5041 \fi
5042 \g@addto@macro\@bidityftesidenote@citations{#1}
5043 }
5044 \newcommand{\@bidityftesidenote@print@citations}[1][0pt]{% puts the citations in a margin note
5045 % Snag the last bibentry in the list for later comparison
5046 \let\@temp@last@bibkey\@empty%
5047 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
5048 \marginpar{%
5049 \hbox{\vspace*{#1}}%
5050 \@bidityftesidenote@citation@font%
5051 \@bidityftesidenote@citation@justification%
5052 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5053 \vspace*{-1\baselineskip}%
5054 % Loop through all the bibentries, separating them with semicolons and spaces
5055 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
5056 \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
5057 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
5058 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
5059 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5060 \bibentry{\@temp@bibkeyx}}%
5061 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
5062 \bibentry{\@temp@bibkeyx};\ }%
5063 \stepcounter{\@bidityftesidenote@num@bibkeys}}%
5064 }%
5065 }%
5066 }
5067 %%
5068 % \cite behavior when executed within a sidenote
5069 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
5070 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
5071 \@bidityftesidenote@add@citation{#1}
5072 }
5073 %%
5074 % Set the default \cite style. This is set and reset by the \sidenote command.
5075 \let\cite\@bidityftesidenote@normal@cite
5076 \let\LTRcite\@bidityftesidenote@normal@cite
5077 \let\RTLcite\@bidityftesidenote@normal@cite
5078 %%
5079 % Transform existing \footnotes into \sidenotes
5080 % Sidenote: ``Where God meant footnotes to go.''' ---bidityftesidenote
5081 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
5082 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@
5083 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@

```



```

5084% Override footmisc's definition to set the sidenote marks (numbers) inside the
5085% sidenote's text block.
5086\bidipatch@AfterPackage{bidi}{\long\def\@makefntext#1{\@textsuperscript{\@bidityftesidenote@
5087% Set the in-text footnote mark in the same typeface as the body text itself.
5088\bidipatch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize
5089\providecommand*\multiplefootnotemarker}{3sp}
5090\providecommand*\multfootsep}{,}
5091\bidipatch@AfterPackage{bidi}{%
5092\renewcommand{\@footnotemark}{%
5093\leavevmode%
5094\ifhmode%
5095\edef\@x@sf{\the\spacefactor}%
5096\@bidityftesidenote@check@multiple@sidenotes%
5097\nobreak%
5098\fi%
5099\@makefnmark%
5100\ifhmode\spacefactor\@x@sf\fi%
5101\relax%
5102}%
5103}
5104\newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
5105\ifdim\lastkern=\multiplefootnotemarker\relax%
5106\edef\@x@sf{\the\spacefactor}%
5107\unkern%
5108\textsuperscript{\multfootsep}%
5109\spacefactor\@x@sf\relax%
5110\fi
5111}
5112\bidipatch@AfterPackage{bidi}{%
5113\renewcommand\@footnotetext[2][0pt]{%
5114\@bidityftesidenotemarginpar{%
5115\hbox{\vspace*{#1}}%
5116\def\baselinestretch {\setspace@singlespace}%
5117\reset@font%
5118\@bidityftesidenote@font% \reset@font\footnotesize%
5119\@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
5120\vspace*{-1\baselineskip}\noindent%
5121\protected@edef\@currentlabel{%
5122\csname p@footnote\endcsname\@thefnmark%
5123}%
5124\color@begingroup%
5125\@makefntext{%
5126\ignorespaces#2%
5127}%
5128\color@endgroup%
5129}%
5130}%
5131\renewcommand\@LTRfootnotetext[2][0pt]{%
5132\@LTRbidityftesidenotemarginpar{%
5133\hbox{\vspace*{#1}}%

```



```

5134 \def\baselinestretch {\setspace@singlespace}%
5135 \reset@font%
5136 \bidi@LTRfootnotetext@font% \reset@font\footnotesize%
5137 \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
5138 \vspace*{-1\baselineskip}\noindent%
5139 \protected@edef\@currentlabel{%
5140     \csname p@footnote\endcsname\@thefnmark%
5141 }%
5142 \color@begingroup%
5143     \@makefntext{%
5144         \ignorespaces#2%
5145     }%
5146 \color@endgroup%
5147 }%
5148 }%
5149 \renewcommand\@RTLfootnotetext[2][0pt]{%
5150     \RTLbidiuftesidenotemarginpar{%
5151         \hbox{\vspace*{#1}}%
5152         \def\baselinestretch {\setspace@singlespace}%
5153         \reset@font%
5154         \bidi@RTLfootnotetext@font% \reset@font\footnotesize%
5155         \@bidiuftesidenote@margin@par% use parindent and parskip settings for marginal text
5156         \vspace*{-1\baselineskip}\noindent%
5157         \protected@edef\@currentlabel{%
5158             \csname p@footnote\endcsname\@thefnmark%
5159         }%
5160         \color@begingroup%
5161             \@makefntext{%
5162                 \ignorespaces#2%
5163             }%
5164         \color@endgroup%
5165     }%
5166 }%
5167 }
5168 %
5169 % Define \sidenote command. Can handle \cite.
5170 \newlength{\@bidiuftesidenote@sidenote@vertical@offset}
5171 \setlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}
5172 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
5173 \long\def\@bidiuftesidenote@sidenote[#1][#2]#3{%
5174     \let\cite\@bidiuftesidenote@infootnote@cite% use the in-sidenote \cite command
5175     \gdef\@bidiuftesidenote@citations{}% clear out any old citations
5176     \ifthenelse{\NOT\isempty{#2}}{%
5177         \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{#2}%
5178     }{%
5179         \gsetlength{\@bidiuftesidenote@sidenote@vertical@offset}{0pt}%
5180     }%
5181     \ifthenelse{\isempty{#1}}{%
5182         % no specific footnote number provided
5183         \stepcounter\@mpfn%

```



```

5184 \protected@xdef\@thefnmark{\thempfn}%
5185 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5186 }{%
5187 % specific footnote number provided
5188 \begingroup%
5189 \csname c@\@mpfn\endcsname #1\relax%
5190 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5191 \endgroup%
5192 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5193 }%
5194 \@bidityftesidenote@print@citations% print any citations
5195 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5196 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5197 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite
5198 \unskip\ignorespaces% remove extra white space
5199 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5200 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5201 }
5202 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
5203 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5204 \gdef\@bidityftesidenote@citations{}% clear out any old citations
5205 \ifthenelse{\NOT\isempty{#2}}{%
5206 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5207 }{%
5208 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5209 }%
5210 \ifthenelse{\isempty{#1}}{%
5211 % no specific footnote number provided
5212 \stepcounter\@mpfn%
5213 \protected@xdef\@thefnmark{\thempfn}%
5214 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5215 }{%
5216 % specific footnote number provided
5217 \begingroup%
5218 \csname c@\@mpfn\endcsname #1\relax%
5219 \unrestored@protected@xdef\@thefnmark{\thempfn}%
5220 \endgroup%
5221 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5222 }%
5223 \@bidityftesidenote@print@citations% print any citations
5224 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5225 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5226 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite
5227 \unskip\ignorespaces% remove extra white space
5228 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
5229 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
5230 }
5231 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
5232 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5233 \gdef\@bidityftesidenote@citations{}% clear out any old citations

```



```

5234 \ifthenelse{\NOT\isempty{#2}}{%
5235   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
5236 }{%
5237   \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
5238 }%
5239 \ifthenelse{\isempty{#1}}{%
5240   % no specific footnote number provided
5241   \stepcounter{\mpfn}%
5242   \protected@xdef\@thefnmark{\thempfn}%
5243   \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5244 }{%
5245   % specific footnote number provided
5246   \begingroup%
5247     \csname c@\mpfn\endcsname #1\relax%
5248     \unrestored@protected@xdef\@thefnmark{\thempfn}%
5249   \endgroup%
5250   \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
5251 }%
5252 \@bidityftesidenote@print@citations%      print any citations
5253 \let\cite\@bidityftesidenote@normal@cite%  go back to using normal in-text \cite command
5254 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5255 \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5256 \unskip\ignorespaces%                    remove extra white space
5257 \kern-\multiplefootnotemarker%          remove \kern left behind by sidenote
5258 \kern\multiplefootnotemarker\relax%      add new \kern here to replace the one we yanked
5259 }
5260 \newcommand{\sidenote}{\@optparams{\@bidityftesidenote@sidenote}{[ ] [Opt]}}
5261 \newcommand{\LTRsidenote}{\@optparams{\@LTRbidityftesidenote@sidenote}{[ ] [Opt]}}
5262 \newcommand{\RTLSidenote}{\@optparams{\@RTLbidityftesidenote@sidenote}{[ ] [Opt]}}
5263 \bidi@patch@AfterPackage{bidi}{%
5264 \renewcommand{\footnote}{\@optparams{\@bidityftesidenote@sidenote}{[ ] [Opt]}}%
5265 \renewcommand{\LTRfootnote}{\@optparams{\@LTRbidityftesidenote@sidenote}{[ ] [Opt]}}%
5266 \renewcommand{\RTLfootnote}{\@optparams{\@RTLbidityftesidenote@sidenote}{[ ] [Opt]}}%
5267 }
5268 %%
5269 % Sidenote without the footnote mark
5270 \newcommand\marginnote[2] [Opt]{%
5271   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5272   \gdef\@bidityftesidenote@citations{}%      clear out any old citations
5273   \bidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote@marginnote@font\@bidityftesidenote@marginnote@size
5274   \@bidityftesidenote@print@citations%      print any citations
5275   \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
5276   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite
5277   \let\RTLcite\@bidityfteRTLSidenote@normal@cite% go back to using normal in-text \RTLcite
5278 }
5279 \newcommand\LTRmarginnote[2] [Opt]{%
5280   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
5281   \gdef\@bidityftesidenote@citations{}%      clear out any old citations
5282   \LTRbidityftesidenotemarginpar{\hbox{} \vspace*{#1}}\@bidityftesidenote\LTRmarginnote@font\@bidityftesidenote\LTRmarginnote@size
5283   \@bidityftesidenote@print@citations%      print any citations

```



```

5284 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
5285 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5286 \let\RTLcite\@bidityfteRTLSidenote@normal@cite%  go back to using normal in-text \RTLcite
5287 }
5288 \newcommand\RTLmarginnote[2][0pt]{%
5289 \let\cite\@bidityftesidenote@infootnote@cite%    use the in-sidenote \cite command
5290 \gdef\@bidityftesidenote@citations{}%            clear out any old citations
5291 \RTLbidityftesidenotemarginpar{\hbox{}}\vspace*{#1}\@bidityftesidenote@RTLmarginnote@font\@bidityftesidenote@font
5292 \@bidityftesidenote@print@citations%              print any citations
5293 \let\cite\@bidityftesidenote@normal@cite%        go back to using normal in-text \cite command
5294 \let\LTRcite\@bidityfteLTRsidenote@normal@cite%  go back to using normal in-text \LTRcite
5295 \let\RTLcite\@bidityfteRTLSidenote@normal@cite%  go back to using normal in-text \RTLcite
5296 }

```

## 23 File bidityfttetoc.sty

```

5297 \NeedsTeXFormat{LaTeX2e}
5298 \ProvidesPackage{bidityfttetoc}[2011/06/17 v0.1
5299 bidi implementation of tufte toc]
5300 \RequirePackage{titlesec,titletoc,xifthen,biditytools}
5301 \newcommand{\@bidityfttetoc@pkgname}{bidityfttetoc}
5302 \newcommand{\@bidityfttetocError}[2]{\PackageError{\@bidityfttetoc@pkgname}{#1}{#2}}
5303 %%
5304 % Turn off section numbering
5305 \setcounter{secnumdepth}{-1}
5306 \newboolean{@bidityfttetoc@toc}
5307 \setboolean{@bidityfttetoc@toc}{true}
5308 \DeclareOption{notoc}{\setboolean{@bidityfttetoc@toc}{false}}
5309 \DeclareOption{toc}{\setboolean{@bidityfttetoc@toc}{true}}
5310 \ProcessOptions
5311 %%
5312 % Make Tufte-style section headings and TOC formatting
5313 \bidityft@patch@AfterPackage{bidi}{%
5314 \titleformat{\chapter}%
5315 [display]% shape
5316 {\relax\ifthenelse{\NOT\boolean{@bidityftfloat@symmetric}}{\begin{fullwidth}}{}}% format applied to label+text
5317 {\itshape\huge\thechapter}% label
5318 {0pt}% horizontal separation between label and title body
5319 {\huge\rmfamily\itshape}% before the title body
5320 [\ifthenelse{\NOT\boolean{@bidityftfloat@symmetric}}{\end{fullwidth}}{}}% after the title body
5321 \titleformat{\section}%
5322 [hang]% shape
5323 {\normalfont\Large\itshape}% format applied to label+text
5324 {\thesection}% label
5325 {1em}% horizontal separation between label and title body
5326 {}% before the title body
5327 []% after the title body
5328 \titleformat{\subsection}%
5329 [hang]% shape
5330 {\normalfont\large\itshape}% format applied to label+text

```





```

5331 {\thesubsection}% label
5332 {1em}% horizontal separation between label and title body
5333 {}% before the title body
5334 []% after the title body
5335 \titleformat{\paragraph}%
5336 [runin]% shape
5337 {\normalfont\itshape}% format applied to label+text
5338 {\theparagraph}% label
5339 {1em}% horizontal separation between label and title body
5340 {}% before the title body
5341 []% after the title body
5342 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
5343 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
5344 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus.2ex}
5345 }
5346 % Subsubsection and following section headings shouldn't be used.
5347 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
5348 \renewcommand\subsubsection{%
5349 \bidityftocError{\noexpand\subsubsection is undefined by this class.%
5350 \MessageBreak See Robert Bringhurst's _The Elements of
5351 \MessageBreak Typographic Style_, section 4.2.2.
5352 \MessageBreak \noexpand\subsubsection was used}
5353 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5354 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5355 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftoc.com/.}
5356 }
5357 \renewcommand\subparagraph{%
5358 \bidityftocError{\noexpand\subparagraph is undefined by this class.%
5359 \MessageBreak See Robert Bringhurst's _The Elements of
5360 \MessageBreak Typographic Style_, section 4.2.2.
5361 \MessageBreak \noexpand\subparagraph was used}
5362 {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
5363 \MessageBreak many levels of headings as you need, no more and no fewer. Also see the mar
5364 \MessageBreak related threads on Ask E.T. at http://www.edwardbidityftoc.com/.}
5365 }
5366 % Formatting for main TOC (printed in front matter)
5367 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
5368 \ifthenelse{\boolean{@bidityftoc@toc}}{%
5369 \bidi@patch@AfterPackage{bidi}{%
5370 \titlecontents{part}% FIXME
5371 [Oem] % distance from left margin
5372 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5373 {\contentslabel{2em}} % before w/label (label = ``II'')
5374 {} % before w/o label
5375 {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5376 [\end{fullwidth}] % after
5377 \titlecontents{chapter}%
5378 [Oem] % distance from left margin
5379 {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global format
5380 {\hspace*{Oem}\contentslabel{2em}} % before w/label (label = ``2'')

```



```

5381     {\hspace*{0em}} % before w/o label
5382     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5383     [\end{fullwidth}] % after
5384 \titlecontents{section}% FIXME
5385     [0em] % distance from left margin
5386     {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global format)
5387     {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
5388     {\hspace*{2em}} % before w/o label
5389     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5390     [\end{fullwidth}] % after
5391 \titlecontents{subsection}% FIXME
5392     [0em] % distance from left margin
5393     {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global format)
5394     {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')
5395     {\hspace*{4em}} % before w/o label
5396     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5397     [\end{fullwidth}] % after
5398 \titlecontents{paragraph}% FIXME
5399     [0em] % distance from left margin
5400     {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global format)
5401     {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
5402     {\hspace*{6em}} % before w/o label
5403     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
5404     [\end{fullwidth}] % after
5405 }%
5406 {}{}
5407 %%
5408 % Format lists of figures/tables
5409 \renewcommand\listoffigures{%
5410   \@ifundefined{chapter}%
5411     {\section*{\listfigurename}}%
5412     {\chapter*{\listfigurename}}%
5413 % \begin{fullwidth}%
5414 %   \@starttoc{lof}%
5415 % \end{fullwidth}%
5416 }
5417 \renewcommand\listoftables{%
5418   \@ifundefined{chapter}%
5419     {\section*{\listtablename}}%
5420     {\chapter*{\listtablename}}%
5421 % \begin{fullwidth}%
5422 %   \@starttoc{lot}%
5423 % \end{fullwidth}%
5424 }
5425 \newcommand{\@bidituftetoc@lof@line}[2]{%
5426   % #1 is the figure/table number and its caption text
5427   % #2 is the page number on which the figure/table appears
5428   \leftskip 0.0em
5429   \rightskip 0em
5430   \parfillskip 0em plus 1fil

```



```

5431 \parindent 0.0em
5432 \@afterindenttrue
5433 \interlinepenalty\@M
5434 \leavevmode
5435 \@tempdima 2.0em
5436 \ifRTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5437 \null\nobreak\hskip -\ifRTL\rightskip\else\leftskip\fi
5438 {#1}\nobreak\quad\nobreak#2%
5439 \par%
5440 }
5441 \renewcommand*\l@figure{\@bittuftetoc@lof@line}
5442 \let\l@table\l@figure

```

## 24 File bittuftegeneralstructure.sty

```

5443 \NeedsTeXFormat{LaTeX2e}
5444 \ProvidesPackage{bittuftegeneralstructure}[2011/06/18 v0.1
5445 bidi implementation of tufte general structure]
5446 \renewcommand\small{%
5447   \@setfontsize\small\@ixpt{12}%
5448   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
5449   \abovedisplayshortskip \z@ \@plus2\p@
5450   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
5451   \def\@listi{\leftmargin\leftmargini
5452     \topsep 4\p@ \@plus2\p@ \@minus2\p@
5453     \parsep 2\p@ \@plus\p@ \@minus\p@
5454     \itemsep \parsep}%
5455   \belowdisplayskip \abovedisplayskip
5456 }
5457 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
5458 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
5459 \renewcommand\large{\@setfontsize\large\@xipt{15}}
5460 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
5461 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
5462 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
5463 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
5464 \setlength\leftmargini {1pc}
5465 \setlength\leftmarginii {1pc}
5466 \setlength\leftmarginiii {1pc}
5467 \setlength\leftmarginiv {1pc}
5468 \setlength\leftmarginv {1pc}
5469 \setlength\leftmarginvi {1pc}
5470 \setlength\labelsep {0.5pc}
5471 \setlength\labelwidth {\leftmargini}
5472 \addtolength\labelwidth{-\labelsep}
5473 \setlength{\parindent}{1.0pc}%
5474 \setlength{\parskip}{0pt}%
5475 \RequirePackage{ragged2e}
5476 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hspace}
5477 % Paragraph indentation and separation for normal text

```



```

5478 \newcommand{\@biditytgeneralstructure@reset@par}{%
5479   \setlength{\RaggedRightParindent}{1.0pc}%
5480   \setlength{\JustifyingParindent}{1.0pc}%
5481   \setlength{\parindent}{1pc}%
5482   \setlength{\parskip}{0pt}%
5483 }
5484 \@biditytgeneralstructure@reset@par
5485 % Require paralist package for tighter lists
5486 \RequirePackage{paralist}
5487 % Add rightmargin to compactenum
5488 \def\@compactenum{%
5489   \expandafter\list\csname label\@enumctr\endcsname{%
5490     \usecounter{\@enumctr}%
5491     \rightmargin=2em% added this
5492     \parsep\plparsep
5493     \itemsep\plitemsep
5494     \topsep\pltopsep
5495     \partopsep\plpartopsep
5496     \def\makelabel##1{\hss\llap{##1}}}%
5497 %%
5498 % An environment for paragraph-style section
5499 \providecommand\newthought[1]{%
5500   \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
5501   \noindent\textbf{#1}%
5502 }
5503 %%
5504 % Redefine the display environments (quote, quotation, etc.)
5505 \renewenvironment{verse}
5506   {\let\@centercr
5507     \list{}\itemsep \z@
5508     \itemindent -1pc%
5509     \listparindent\itemindent
5510     \rightmargin \leftmargin
5511     \advance\leftmargin 1pc}%
5512   \small%
5513   \item\relax}
5514 {\endlist}
5515 \renewenvironment{quotation}
5516   {\list{}\listparindent 1pc%
5517     \itemindent \listparindent
5518     \rightmargin \leftmargin
5519     \parsep \z@ \@plus\p@}%
5520   \small%
5521   \item\relax\noindent\ignorespaces}
5522 {\endlist}
5523 \renewenvironment{quote}
5524   {\list{}\listparindent\rightmargin\leftmargin}%
5525   \small%
5526   \item\relax}
5527 {\endlist}

```



```

5528% Italicize description run-in headings (instead of the default bold)
5529\renewcommand*{descriptionlabel}[1]{\hspace\labelsep\normalfont\em #1}
5530%%
5531% Redefine \bibsection to not mark the running heads.
5532% (Code modified from natbib.sty.)
5533\@ifundefined{chapter}%
5534  {\renewcommand\bibsection{\section*{\refname}}}
5535  {\@ifundefined{NAT@sectionbib}%
5536   {\renewcommand\bibsection{\chapter{\bibname}}}
5537   {\renewcommand\bibsection{\section*{\bibname}}}}
5538\RequirePackage{multicol}
5539\renewenvironment{theindex}{%
5540\@ifundefined{chapter}%
5541  {\section*{\indexname}}%
5542  {\chapter{\indexname}}%
5543  \begin{fullwidth}%
5544  \small%
5545  \parskip0pt%
5546  \parindent0pt%
5547  \let\item\@idxitem%
5548  \begin{multicols}{3}%
5549  {%
5550    \end{multicols}%
5551    \end{fullwidth}%
5552  }
5553\AtBeginDocument{%
5554\renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
5555\renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
5556\renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
5557\renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
5558\newcommand{\lettergroup}[1]{% swallow the letter heading in the index

```

## 25 File `bidituftehyperref.sty`

```

5559\NeedsTeXFormat{LaTeX2e}
5560\ProvidesPackage{bidituftehyperref}[2011/06/18 v0.1
5561bidi implementation of tufte hyperref]
5562%%
5563% Color
5564\RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
5565\newboolean{@bidituftehyperref@loadhyper}
5566\setboolean{@bidituftehyperref@loadhyper}{true}
5567\DeclareOption{hyper}{\setboolean{@bidituftehyperref@loadhyper}{true}}
5568\DeclareOption{nohyper}{\setboolean{@bidituftehyperref@loadhyper}{false}}
5569\ProcessOptions
5570%% Loads the hyperref package and sets some default options.
5571\newcommand{\bidituftehyperrefLoadHyperref}{%
5572\RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
5573  \hypersetup{%
5574    bookmarksdepth = section,

```



```

5575 citecolor = DarkGreen,
5576 linkcolor = DarkBlue,
5577 % pagecolor = DarkBlue,
5578 urlcolor = DarkGreen,
5579 }%
5580 }
5581 \ifthenelse{\boolean{@biditytftttitle@loadhyper}}{%
5582 \biditytftttitleLoadHyperref%
5583 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
5584 \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
5585 }

```

## 26 File biditytftttitle.sty

```

5586 \NeedsTeXFormat{LaTeX2e}
5587 \ProvidesPackage{biditytftttitle}[2011/06/18 v0.1
5588 bidi implementation of tufte title]
5589 \RequirePackage{biditytools}
5590 %%
5591 % `titlepage' option -- creates a full title page with \maketitle
5592 \newboolean{@biditytftttitle@titlepage}
5593 \DeclareOption{titlepage}{\setboolean{@biditytftttitle@titlepage}{true}}
5594 \DeclareOption{notitlepage}{\setboolean{@biditytftttitle@titlepage}{false}}
5595 % Default `book' and `handout' options
5596 \@ifclassloaded{book}{%
5597 \ExecuteOptions{titlepage}}{%
5598 \@ifclassloaded{article}{%
5599 \ExecuteOptions{notitlepage}}%
5600 {}}
5601 \ProcessOptions
5602 %%
5603 % Modified \title, \author, and \date commands. These store the
5604 % (footnote-less) values in \plaintitle, \plainauthor, and \thedate, respectively.
5605 \newcommand{\plaintitle}{}% plain-text-only title
5606 \newcommand{\plainauthor}{}% plain-text-only author
5607 \newcommand{\plainpublisher}{}% plain-text-only publisher
5608 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
5609 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
5610 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
5611 \newcommand{\@publisher}{}% full publisher with \thanks{}
5612 \newcommand{\thedate}{\today}
5613 \bidity@patch@AfterPackage{bidi}{%
5614 \renewcommand{\thanks}[1]{\footnote{#1}}
5615 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
5616 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
5617 }
5618 \renewcommand{\title}[2][{}]{%
5619 \gdef@title{#2}%
5620 \begingroup%
5621 % TODO store contents of \thanks command

```



```

5622 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5623 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5624 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5625 \protected@xdef\thanklesstitle{#2}%
5626 \endgroup%
5627 \ifthenelse{\isempty{#1}}%
5628 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
5629 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
5630 \@ifundefined{hypersetup}%
5631 {}% hyperref is not loaded; do nothing
5632 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
5633 }
5634 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
5635 \renewcommand{\author}[2][]{%
5636 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
5637 \begingroup%
5638 % TODO store contents of \thanks command
5639 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5640 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5641 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5642 \protected@xdef\thanklessauthor{#2}%
5643 \endgroup%
5644 \ifthenelse{\isempty{#1}}%
5645 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
5646 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
5647 \@ifundefined{hypersetup}%
5648 {}% hyperref is not loaded; do nothing
5649 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
5650 }
5651 \renewcommand{\date}[1]{%
5652 \gdef\@date{#1}%
5653 \begingroup%
5654 % TODO store contents of \thanks command
5655 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5656 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5657 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5658 \protected@xdef\thedata{#1}%
5659 \endgroup%
5660 }
5661 %%
5662 % Provides a \publisher command to set the publisher
5663 \newcommand{\publisher}[2][]{%
5664 \gdef\@publisher{#2}%
5665 \begingroup%
5666 \renewcommand{\thanks}[1]{}% swallow \thanks contents
5667 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
5668 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
5669 \protected@xdef\thanklesspublisher{#2}%
5670 \endgroup%
5671 \ifthenelse{\isempty{#1}}

```



```

5672 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
5673 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
5674 }
5675 %%
5676 % Produces a full title page
5677 \newcommand{\maketitlepage}[0]{%
5678 \cleardoublepage%
5679 {%
5680 \bfseries%
5681 \begin{fullwidth}%
5682 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
5683 \vspace{11.5pc}%
5684 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
5685 \vfill%
5686 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
5687 \end{fullwidth}%
5688 }
5689 \thispagestyle{empty}%
5690 \clearpage%
5691 }
5692 %%
5693 % Title block
5694 \bidi@AfterEndPreamble{%
5695 \renewcommand{\maketitle}{%
5696 \newpage%
5697 \global\@topnum\z@% prevent floats from being placed at the top of the page
5698 \begingroup%
5699 \setlength{\parindent}{0pt}%
5700 \setlength{\parskip}{4pt}%
5701 \let\@title\@empty%
5702 \let\@author\@empty%
5703 \let\@date\@empty%
5704 \gdef\@title{\LARGE\itshape\@title\par}%
5705 \gdef\@author{\Large\itshape\@author\par}%
5706 \gdef\@date{\Large\itshape\@date\par}%
5707 \@title%
5708 \@author%
5709 \@date%
5710 \endgroup%
5711 \thispagestyle{plain}% suppress the running head
5712 }%
5713 }
5714 %%
5715 % Title page (if the `titlepage' option was passed to the bidityttitle-handout
5716 % class.)
5717 \bidi@AfterEndPreamble{%
5718 \ifthenelse{\boolean{@bidityttitle@titlepage}}
5719 {\renewcommand{\maketitle}{\maketitlepage}}
5720 {}
5721 }

```





```

5722 %%
5723 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
5724 % without headers and footers
5725 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
5726   \hbox{}
5727   %\vspace*{\fill}
5728   %\begin{center}
5729   % This page intentionally contains only this sentence.
5730   %\end{center}
5731   %\vspace{\fill}
5732   \thispagestyle{empty}
5733   \newpage
5734   \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```

## 27 File `biditufte-handout.cls`

```

5735 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5736 \ProvidesClass{biditufte-handout}[2011/06/18 v0.1 biditufte-handout class]
5737 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
5738 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5739 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5740 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5741 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}
5742 \ProcessOptions\relax
5743 \LoadClass{article}
5744 \RequirePackage{bidituftefloat}
5745 \RequirePackage{bidituftesidenote}
5746 \RequirePackage{bidituftetoc}
5747 \RequirePackage{bidituftegeneralstructure}
5748 \RequirePackage{bidituftehyperref}
5749 \RequirePackage{bidituftetitle}
5750 \renewenvironment{abstract}
5751   {\begin{quotation}}
5752   {\end{quotation}}
5753 \AtBeginDocument{%
5754   \IfFileExists{biditufte-handout.cfg}
5755     {\input{biditufte-handout.cfg}}
5756     \ClassInfo{biditufte-handout}{Loading biditufte-handout configuration file \@gobble}}
5757   {}%
5758 }

```

## 28 File `biditufte-book.cls`

```

5759 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
5760 \ProvidesClass{biditufte-book}[2011/06/18 v0.1 biditufte-book class]
5761 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
5762 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftefloat}}
5763 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetoc}}
5764 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftehyperref}}
5765 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidituftetitle}}

```



```

5766 \ProcessOptions\relax
5767 \LoadClass{book}
5768 \RequirePackage{bidiutftefloat}
5769 \RequirePackage{bidiuftesidenote}
5770 \RequirePackage{bidiuftetoc}
5771 \RequirePackage{bidiuftegeneralstructure}
5772 \RequirePackage{bidiuftehyperref}
5773 \RequirePackage{bidiuftetitle}
5774 %%
5775 % Set up any book-specific stuff now
5776 %%
5777 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
5778 % to the opening page of Chapter 1. The running heads, when they appear,
5779 % contain only the (arabic) page number in the outside corner.
5780 \newif\if@mainmatter \mainmattertrue
5781 \renewcommand\frontmatter{%
5782   \cleardoublepage%
5783   \@mainmatterfalse%
5784   \pagenumbering{arabic}%
5785   %\pagestyle{plain}%
5786   \fancyhf{}%
5787   \ifthenelse{\boolean{@bidiutftefloat@twoside}}{%
5788     {\fancyhead[LE,RO]{\thepage}}%
5789     {\fancyhead[RE,RO]{\thepage}}%
5790   }
5791 %%
5792 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
5793 % numbering---it continues where it left off in the front matter.
5794 \renewcommand\mainmatter{%
5795   \cleardoublepage%
5796   \@mainmattertrue%
5797   \fancyhf{}%
5798   \ifthenelse{\boolean{@bidiutftefloat@twoside}}{%
5799     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
5800     \fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
5801     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
5802     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
5803   }
5804 %%
5805 % The back matter contains appendices, indices, glossaries, endnotes,
5806 % bibliographies, list of contributors, illustration credits, etc.
5807 \renewcommand\backmatter{%
5808   \if@openright%
5809     \cleardoublepage%
5810   \else%
5811     \clearpage%
5812   \fi%
5813   \@mainmatterfalse%
5814 }
5815 %%

```



```

5816% Only show the chapter titles in the table of contents
5817\setcounter{tocdepth}{0}
5818\AtBeginDocument{%
5819\IfFileExists{biditufte-book.cfg}
5820  {\input{biditufte-book.cfg}
5821   \ClassInfo{biditufte-book}{Loading biditufte-book configuration file \@gobble}}
5822  {}%
5823}

```

## 29 File bidipoem.sty

```

5824\NeedsTeXFormat{LaTeX2e}
5825\ProvidesPackage{bidipoem}%
5826[2014/04/27 v0.9 Environments for typesetting Persian traditional and modern poems]
5827
5828% Usage:
5829%
5830% \Setversedim #1#2 % define the layout (within a group):
5831% #1 = length of both half-verses
5832% #2 = separation distance = length of a connection, if present
5833% Variant:
5834% \Setversedim #1[#2]#3 % for half-verses of unequal length
5835% #1 = length of first (=right) half-verse
5836% #2 = length of second (=left) half-verse
5837% #3 = separation distance = length of a connection, if present
5838%
5839% \traditionalhalfverses #1#2 % typeset two separated half-verses
5840% #1 = text of first (=right) half-verse
5841% #2 = text of second (=left) half-verse
5842% Variant:
5843% \traditionalhalfverses #1[#2]#3 % typeset two connected half-verses
5844% #1 = text of first (=right) half-verse
5845% #2 = text of connection
5846% #3 = text of second (=left) half-verse
5847%
5848% Alternative (if preferred):
5849%
5850% \traditionalconnverses #1#2#3 % = \traditionalhalfverses #1[#2]#3
5851
5852
5853\newcommand*{\bidipoem@spreadbox}[2]{\hbox to #1{#2}}
5854
5855% define the layout, verses will be centered
5856
5857\newdimen \bidipoem@hvlen \newdimen \bidipoem@hvsep
5858\newdimen \bidipoem@hvind \newdimen \bidipoem@@hvlen
5859
5860\newcommand*{\Setversedim}[2]{% set lengths of half-verse, [separation]
5861\bidipoem@hvind \textwidth
5862\bidipoem@hvlen #1\relax \advance \bidipoem@hvind -\bidipoem@hvlen

```



```

5863 \ifx [#2\def \bidipoem@next {\bidipoem@set@verseI []}\else
5864 \bidipoem@@hvlen \bidipoem@hvlen \def \bidipoem@next {\bidipoem@set@@verse {#2}}\fi \bidipoem@
5865
5866 \def \bidipoem@set@verseI [#1]{% optional parameter
5867 \bidipoem@@hvlen #1\relax \bidipoem@set@@verse }
5868
5869 \newcommand*{\bidipoem@set@@verse}[1]{% separation
5870 \advance \bidipoem@hvind -\bidipoem@@hvlen \bidipoem@hvsep #1\relax
5871 \advance \bidipoem@hvind -\bidipoem@hvsep \divide \bidipoem@hvind 2 }
5872
5873 \newcommand*{\traditionalconnverses}[3]{% first half-verse, connection, second half-verse
5874 \ifdim Opt > \bidipoem@hvind %
5875 \bidipoem@spreadbox \bidipoem@hvlen {#1}\\ \hfill % first block
5876 \else
5877 \noindent \hspace \bidipoem@hvind \relax \bidipoem@spreadbox \bidipoem@hvlen {#1}\fi
5878 \bidipoem@spreadbox \bidipoem@hvsep {#2}% separator
5879 \bidipoem@spreadbox \bidipoem@@hvlen {#3}% second block
5880 \par }
5881
5882 % macro for two half verses
5883 \newcommand*{\traditionalhalfverses}[2]{% optional parameter?
5884 \ifx [#2\def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}}}%
5885 \else \def \bidipoem@half@verses@next {\bidipoem@half@verses {#1}[\hfill]{#2}}\fi%
5886 \bidipoem@half@verses@next}
5887
5888 \def \bidipoem@half@verses #1[#2]#3{% first[mid]second
5889 \traditionalconnverses {#1}{#2}{#3}}
5890
5891
5892 {\catcode\^M=\active % these lines must end with %
5893 \gdef \traditionalpoem@obeylines {\catcode\^M=\active \let\^M\traditionalpoem@par}%
5894 \global\let\^M\traditionalpoem@par} % this is in case ^M appears in a \write
5895 {\catcode\^M=\active % these lines must end with %
5896 \gdef \modernpoem@obeylines {\catcode\^M=\active \let\^M\modernpoem@par}%
5897 \global\let\^M\modernpoem@par} % this is in case ^M appears in a \write
5898 \def \poemcolsepskip {.1\versewidth plus .1\versewidth minus .05\versewidth}
5899 \def \poemmarginsskip {1em plus 1fil minus 1em}
5900 \def \poemextrabaselineskip {0\baselineskip}
5901 \def \poemskip {\medskip}
5902 \newcommand {\bidipoem@openbox} {\leavevmode
5903 \hbox to .77778em {%
5904 \hfil \vrule
5905 \vbox to .675em {\hrule width .6em \vfil \hrule}%
5906 \vrule \hfil }}
5907 \def \poemblocksep {\quad \hbox {\bidipoem@openbox}}
5908 \newdimen \versewidth
5909 \newtoks \bidipoem@p@ftn
5910 \def \poem@verse#1{%
5911 \ifdim \wd#1 > \new@poem@width
5912 \xdef \new@poem@width {\the\wd#1}%

```



```

5913 \ifdim\new@poem@width>\poem@width
5914 \xdef\poem@width{\new@poem@width}%
5915 \global\let\poem@needrun\relax
5916 \fi
5917 \fi
5918 \hbox to\poem@width{\unhbox#1}%
5919 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
5920 }
5921 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmargin\skip\relax}
5922 \def\poem@lineend{\nobreak\hskip\poemmargin\skip\hskip\@flushglue\vadjust{}}
5923 \def\poem@lineversesep{%
5924 \nobreak
5925 \hskip\z@ plus 1filll%
5926 \penalty600%
5927 \hskip\poemcolsepskip
5928 \hskip\z@ plus -2filll%
5929 \vadjust{}}%
5930 \nobreak
5931 \hskip\z@ plus 1filll%
5932 }
5933 \def\poem@lineparsebegin{%
5934 \halign\bgroup
5935 \global\setbox\verse@i=\hbox{%
5936 \let\@footnotetext\bidipoem@p@ftntext%
5937 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5938 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5939 \let\@xfootnotenext\bidipoem@p@xftntext%
5940 \let\@xfootnote\bidipoem@p@xfootnote%
5941 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5942 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5943 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5944 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5945 \ignorespaces##\unskip}&&
5946 \global\setbox\verse@ii=\hbox{%
5947 \let\@footnotetext\bidipoem@p@ftntext%
5948 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
5949 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
5950 \let\@xfootnotenext\bidipoem@p@xftntext%
5951 \let\@xfootnote\bidipoem@p@xfootnote%
5952 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
5953 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
5954 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
5955 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
5956 \ignorespaces##\unskip}
5957 \cr
5958 }
5959 \def\poem@lineparseend{%
5960 \crcr\egroup
5961 \vskip-\baselineskip
5962 }

```



```

5963 \def\traditionalpoem@cr{%
5964   \cr\poem@line
5965 }
5966 \newbox\verse@i
5967 \newbox\verse@ii
5968 \newif\ifpoem@started
5969
5970 \def\poem@line{%
5971   \poem@lineparseend
5972   \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
5973   \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
5974   \ifpoem@started
5975     \ifdim\wd\verse@ii>\z@else
5976       \nopagebreak[3]
5977       \fi
5978       \leavevmode
5979       \poem@linebegin
5980       \poem@verse\verse@i
5981       \ifdim\wd\verse@ii>\z@
5982         \poem@lineversesep
5983         \poem@verse\verse@ii
5984       \fi
5985       \poem@lineend
5986     % \nopagebreak
5987     \par
5988     \vskip\poemextrabaselineskip
5989   \fi
5990   \poem@lineparsebegin
5991 }
5992 \def\@traditionalpoem{%
5993   \stepcounter{poem@no}
5994   \ifnum\max@poem@no<\number\c@poem@no%
5995   \xdef\poem@width{\z@}%
5996   \else
5997   \xdef\poem@width{\poem@prop{poem@width}}%
5998   \fi
5999   \xdef\new@poem@width{\z@}%
6000   \global\versewidth=\poem@width
6001   \poemskip\par
6002   \begingroup
6003   \tabskip=\z@
6004   \parskip=\z@
6005   \parindent=\z@
6006   \parfillskip=\z@
6007   \rightskip=\z@
6008   \leftskip=\z@
6009   \widowpenalty=10000% No break between verses of the same line.
6010   \clubpenalty=10000% Same as above. Not really needed.
6011   \def\newblock{\hfil\poemblocksep\hfil\null}%
6012   \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines

```



```

6013 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
6014 \global\poem@startedfalse
6015 \csname poem@obeylines\endcsname
6016 \let\poem@obeylines\relax
6017 \poem@lineparsebegin
6018 }
6019 \def\@endtraditionalpoem{%
6020 \cr
6021 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
6022 \noalign{%
6023 \skip0=\poemextrabaseskip
6024 \vskip-\skip0
6025 \vskip-\baseskip
6026 }%
6027 \fi\fi
6028 \poem@lineparseend
6029 \endgroup
6030 \par
6031 \vskip\baseskip
6032 \poemskip
6033 \if@nparlist \else
6034 \ifdim\lastskip >\z@
6035 \@tempskipa\lastskip \vskip -\lastskip
6036 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6037 \vskip\@tempskipa
6038 \fi
6039 \@endparenv
6040 \fi
6041 \ifdim\new@poem@width<\poem@width
6042 \global\let\poem@needrun\relax
6043 \fi
6044 \poem@write@aux{\poem@width\romannumeral\c@poem@no}\new@poem@width}%
6045 \ifx\AtEndDocument\undefined\poem@finish\fi
6046 }
6047
6048
6049 \long\def\bidipoem@p@ftntext#1{%
6050 \edef\@temp{x{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\mpfn\endcsname]}}%
6051 \global\bidipoem@p@ftn\expandafter{\@temp{#1}}}%
6052 \long\def\bidipoem@p@LTRftntext#1{%
6053 \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\mpfn\endcsname]}}%
6054 \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
6055 \long\def\bidipoem@p@RTLftntext#1{%
6056 \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\mpfn\endcsname]}}%
6057 \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
6058
6059 \long\def\bidipoem@p@xftntext[#1]#2{%
6060 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
6061
6062 \long\def\bidipoem@p@xLTRftntext[#1]#2{%

```



```

6063 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}
6064
6065 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
6066 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
6067
6068 \def\bidipoem@p@xfootnote[#1]{%
6069 \begingroup
6070 \csname c@\@mpfn\endcsname #1\relax
6071 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6072 \endgroup
6073 \@footnotemark\bidipoem@p@xftntext[#1]}
6074
6075 \def\bidipoem@p@xLTRfootnote[#1]{%
6076 \begingroup
6077 \csname c@\@mpfn\endcsname #1\relax
6078 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6079 \endgroup
6080 \@footnotemark\bidipoem@p@xLTRftntext[#1]}
6081
6082 \def\bidipoem@p@xRTLfootnote[#1]{%
6083 \begingroup
6084 \csname c@\@mpfn\endcsname #1\relax
6085 \unrestored@protected@xdef\@thefnmark{\thempfn}%
6086 \endgroup
6087 \@footnotemark\bidipoem@p@xRTLftntext[#1]}
6088
6089
6090
6091 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}
6092 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
6093 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
6094 \def\poem@finish{%
6095 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
6096 \ifx\poem@needrun\relax
6097 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
6098 \global\let\poem@needrun\undefined
6099 \fi
6100 }
6101 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
6102 \newcounter{poem@no}\setcounter{poem@no}{\z@}
6103 \ifx\max@poem@no\undefined
6104 \def\max@poem@no{0}%
6105 \fi
6106 \newcommand{\poem@prop}[1]{\@nameuse{#1@romannumeral\c@poem@no}}
6107 \newcommand{\poem@write@aux}[2]{%
6108 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
6109 \@x
6110 }
6111 \def\@modernpoem{%
6112 \par

```





```

6113 \begingroup
6114 \parskip=\z@
6115 \parindent=\z@
6116 \def\[{ \@settab\@tabplus\ignorespaces}%
6117 \def\]\{ \@tabminus\ignorespaces}%
6118 \def\newblock{\poemblocksep}%
6119 \let\newpoem@tabcr\@tabcr
6120 \def\modernpoem@par{% Redefine \par for possible \obeylines
6121   \ifpoem@started\else
6122     \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6123       \@stopfield
6124       \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6125       \@contfield
6126     \fi
6127   \fi
6128   \ifpoem@started\newpoem@tabcr\fi}%
6129 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
6130 \global\poem@startedfalse
6131 \csname poem@obeylines\endcsname
6132 \let\poem@obeylines\relax
6133 \begin{tabbing}%
6134 }
6135 \def\@endmodernpoem{%
6136 \global\poem@startedfalse
6137 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
6138   \@stopfield
6139   \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
6140   \@contfield
6141 \fi
6142 \ifpoem@started\else\let\@stopline\@stopfield\fi
6143 \end{tabbing}%
6144 \endgroup
6145 \par
6146 \if@nparlist \else
6147   \ifdim\lastskip >\z@
6148     \@tempskipa\lastskip \vskip -\lastskip
6149     \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
6150     \vskip\@tempskipa
6151   \fi
6152   \@endparenv
6153 \fi
6154 }
6155 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
6156 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem@par}
6157 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
6158 \gdef\@startfield{%
6159 \global\setbox\@curfield\hbox\bgroup%
6160 \let\@footnotetext\bidipoem@p@ftntext%
6161 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6162 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%

```



```

6163 \let\@xfootnotenext\bidipoem@p@xftntext%
6164 \let\@xfootnote\bidipoem@p@xfootnote%
6165 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6166 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6167 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6168 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6169 \color@begingroup}
6170 \gdef\@stopfield{%
6171   \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
6172 \gdef\@contfield{%
6173   \global\setbox\@curfield\hbox\bgroup%
6174   \let\@footnotetext\bidipoem@p@ftntext%
6175   \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
6176   \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
6177   \let\@xfootnotenext\bidipoem@p@xftntext%
6178   \let\@xfootnote\bidipoem@p@xfootnote%
6179   \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
6180   \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
6181   \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
6182   \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
6183   \color@begingroup\unhbox\@curfield}

```

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

```

6184 \ProvidesFile{boek3-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek3 class for XeTeX]
6185 \renewenvironment{theindex}{%
6186   \if@twocolumn
6187     \@restonecolfalse
6188   \else
6189     \@restonecoltrue
6190   \fi
6191   \columnseprule \z@
6192   \columnsep 35\p@
6193   \twocolumn[\@makeschapterhead{\indexname}]{%
6194     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
6195   \thispagestyle{plain}\parindent\z@
6196   \parskip\z@ \@plus .3\p@\relax
6197   \let\item\@idxitem
6198   }{%
6199   \if@restonecol\onecolumn\else\clearpage\fi}
6200 \renewcommand*\head@style{%
6201   \interlinepenalty \@M
6202   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6203   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6204 \renewcommand*\@regtocline[3]{%
6205   \ifnum #1>\c@tocdepth
6206   \else
6207     \vskip\z@ \@plus.2\p@
6208     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6209     \if@RTL\rightskip\else\leftskip\fi\unitindent

```



```

6210 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
6211 \parfillskip\z@
6212 \@tempdima\unitindent
6213 \parindent\z@
6214 \leavevmode
6215 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6216 \hskip 1em \nobreak{\slshape #3}\par
6217 }%
6218 \fi}
6219 \if@oldtoc
6220 \renewcommand*\l@part[2]{%
6221 \ifnum \c@tocdepth >-2\relax
6222 \addpenalty{-\@highpenalty}%
6223 \addvspace{2.25em \@plus\p@}%
6224 \begingroup
6225 \setlength\@tempdima{3em}%
6226 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6227 \parfillskip -\@pnumwidth
6228 {\leavevmode
6229 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6230 \nobreak
6231 \global\@nobreaktrue
6232 \everypar{\global\@nobreakfalse\everypar{}}}%
6233 \endgroup
6234 \fi}
6235 \else
6236 \renewcommand*\l@part{%
6237 \ifnum \c@tocdepth >-2\relax
6238 \addpenalty{-\@highpenalty}%
6239 \addvspace{2.25em \@plus\p@}%
6240 \@regtocline{0}%
6241 \fi}
6242 \fi
6243 \if@oldtoc
6244 \renewcommand*\l@chapter[2]{%
6245 \addpenalty{-\@highpenalty}%
6246 \vskip 1.0em \@plus\p@
6247 \setlength\@tempdima{1.5em}%
6248 \begingroup
6249 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6250 \parfillskip -\@pnumwidth
6251 \leavevmode \bfseries
6252 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6253 \hskip -\if@RTL\rightskip\else\leftskip\fi
6254 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6255 \penalty\@highpenalty
6256 \endgroup}
6257 \else
6258 \renewcommand*\l@chapter{\@regtocline{0}}
6259 \fi

```



```

6260 \renewenvironment{abstract}{%
6261     \titlepage
6262     \null\vfil
6263     \section*{\SectFont \abstractname}
6264     \noindent\ignorespaces}
6265 { \par\vfil\null\endtitlepage}
6266 \renewenvironment{thebibliography}[1]
6267 { \chapter*{\bibname}%
6268   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6269   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6270   \bidi@thebibliography@font@hook%
6271   \list{\@biblabel{\@arabic\c@enumiv}}%
6272     { \settowidth\labelwidth{\@biblabel{#1}}%
6273       \leftmargin\labelwidth
6274       \advance\leftmargin\labelsep
6275       \@openbib@code
6276       \usecounter{enumiv}%
6277       \let\p@enumiv\@empty
6278       \renewcommand*{theenumiv}{\@arabic\c@enumiv}}%
6279   \sloppy\clubpenalty4000\widowpenalty4000%
6280   \sfcode`. \m}
6281 { \def\@noitemerr
6282   { \latex@warning{Empty `thebibliography' environment}}%
6283   \endlist}
6284 \renewcommand* \left@footnoterule{%
6285   \kern-3\p@
6286   \kern.5\baselineskip
6287   \hrule\@width\unitindent
6288   \kern.4\baselineskip
6289 }
6290 \renewcommand* \right@footnoterule{%
6291   \kern-3\p@
6292   \kern.5\baselineskip
6293   \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6294   \kern.4\baselineskip}
6295 \renewcommand* \thesection{\thechapter\@SepMark\@arabic\c@section}
6296 \renewcommand* \thesubsection{\thesection\@SepMark\@arabic\c@subsection}
6297 \renewcommand* \thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
6298 \renewcommand* \theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
6299 \renewcommand* \thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
6300 \renewcommand* \theequation{%
6301   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6302 \renewcommand* \thefigure{%
6303   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
6304 \renewcommand* \thetable{%
6305   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
6306 \renewcommand* \maketitle{%
6307   \begin{titlepage}%
6308     \let\footnotesize\small
6309     \let\right@footnoterule\relax

```



```

6310 \let\left@footnoterule\relax
6311 \let\textwidth@footnoterule\relax
6312 \let \footnote \thanks
6313 \long\def\@makefntext##1{\parindent\z@
6314 \def\labelitemi{\textendash}\@revlabeltrue
6315 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6316 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6317 \if@compatibility\setcounter{page}{0}\fi
6318 \null\vfil
6319 \vskip 60\p@
6320 \begin{center}%
6321 \TitleFont
6322 {\LARGE \def\\{\penalty -\@M}
6323 \if@allcaps
6324 \expandafter\uc@nothanks\@title\thanks\relax
6325 \else
6326 \@title
6327 \fi\par}%
6328 \vskip 3em%
6329 {\large
6330 \lineskip .75em \parindent\z@
6331 \begin{tabular}[t]{c}%
6332 \if@allcaps
6333 \expandafter\uc@authornothanks\@author\and\relax
6334 \else
6335 \@author
6336 \fi
6337 \end{tabular}\par}%
6338 \vskip 1.5em%
6339 {\large
6340 \if@allcaps
6341 \uppercase\expandafter{\@date}%
6342 \else
6343 \@date
6344 \fi\par}%
6345 \end{center}\par
6346 \@thanks
6347 \vfil\null
6348 \end{titlepage}%
6349 \setcounter{footnote}{0}%
6350 \global\let\thanks\relax
6351 \global\let\maketitle\relax
6352 \global\let\@thanks\@empty
6353 \global\let\@author\@empty
6354 \global\let\@title\@empty
6355 \global\let\@date\@empty
6356 \global\let\title\relax
6357 \global\let\author\relax
6358 \global\let\date\relax
6359 \global\let\and\relax

```



6360 }

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

```
6361 \ProvidesFile{boek-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for boek class for XeTeX e
6362 \renewenvironment{theindex}{%
6363   \if@twocolumn
6364     \@restonecolfalse
6365   \else
6366     \@restonecoltrue
6367   \fi
6368   \columnseprule \z@
6369   \columnsep 35\p@
6370   \twocolumn[\@makeschapterhead{\indexname}]{%
6371     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
6372   \thispagestyle{plain}\parindent\z@
6373   \parskip\z@ \@plus .3\p@\relax
6374   \let\item\@idxitem
6375   }{%
6376   \if@restonecol\onecolumn\else\clearpage\fi}
6377 \renewcommand*{\head@style}{%
6378   \interlinepenalty \@M
6379   \hyphenpenalty=\@M \exhyphenpenalty=\@M
6380   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
6381 \renewcommand*{\regtocline}[3]{%
6382   \ifnum #1>\c@tocdepth
6383   \else
6384     \vskip\z@ \@plus.2\p@
6385     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
6386     \if@RTL\rightskip\else\leftskip\fi\unitindent
6387     \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
6388     \parfillskip\z@
6389     \@tempdima\unitindent
6390     \parindent\z@
6391     \leavevmode
6392     \hbox{ }\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
6393     \hskip 1em \nobreak{\slshape #3}\par
6394   }%
6395   \fi}
6396 \if@oldtoc
6397 \renewcommand*{\l@part}[2]{%
6398   \ifnum \c@tocdepth >-2\relax
6399     \addpenalty{-\@highpenalty}%
6400     \addvspace{2.25em \@plus\p@}%
6401     \begingroup
6402       \setlength{\@tempdima}{3em}%
6403       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6404       \parfillskip -\@pnumwidth
6405       {\leavevmode
6406         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
```



```

6407         \nobreak
6408         \global\@nobreaktrue
6409         \everypar{\global\@nobreakfalse\everypar{}}%
6410     \endgroup
6411 \fi}
6412 \else
6413     \renewcommand*\l@part{%
6414         \ifnum \c@tocdepth >-2\relax
6415             \addpenalty{-\@highpenalty}%
6416             \addvspace{2.25em \@plus \p@}%
6417             \regtocline{0}%
6418         \fi}
6419 \fi
6420 \if@oldtoc
6421 \renewcommand*\l@chapter[2]{%
6422     \addpenalty{-\@highpenalty}%
6423     \vskip 1.0em \@plus\p@
6424     \setlength\@tempdima{1.5em}%
6425     \begingroup
6426     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6427     \parfillskip -\@pnumwidth
6428     \leavevmode \bfseries
6429     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6430     \hskip -\if@RTL\rightskip\else\leftskip\fi
6431     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6432     \penalty\@highpenalty
6433     \endgroup}
6434 \else
6435     \renewcommand*\l@chapter{\@regtocline{0}}
6436 \fi
6437 \renewcommand*\left@footnoterule{%
6438     \kern-3\p@
6439     \kern.5\baselineskip
6440     \hrule\@width\unitindent
6441     \kern.4\baselineskip
6442 }
6443 \renewcommand*\right@footnoterule{%
6444     \kern-3\p@
6445     \kern.5\baselineskip
6446     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
6447     \kern.4\baselineskip}
6448 \renewenvironment{abstract}{%
6449     \titlepage
6450     \null\vfil
6451     \section*{\SectFont \abstractname}
6452     \noindent\ignorespaces}
6453 {\par\vfil\null\endtitlepage}
6454 \renewenvironment{thebibliography}[1]
6455     {\chapter*{\bibname}%
6456         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%

```



```

6457 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6458 \bidi@thebibliography@font@hook%
6459 \list{\@biblabel{\@arabic\c@enumiv}}%
6460 {\settowidth\labelwidth{\@biblabel{#1}}%
6461 \leftmargin\labelwidth
6462 \advance\leftmargin\labelsep
6463 \@openbib@code
6464 \usecounter{enumiv}%
6465 \let\p@enumiv\@empty
6466 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
6467 \sloppy\clubpenalty4000\widowpenalty4000%
6468 \sfcode`.\@m}
6469 {\def\@noitemerr
6470 {\@latex@warning{Empty `thebibliography' environment}}}%
6471 \endlist}
6472 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
6473 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
6474 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
6475 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
6476 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
6477 \renewcommand*\theequation{%
6478 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
6479 \renewcommand*\thefigure{%
6480 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
6481 \renewcommand*\thetable{%
6482 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
6483 \renewcommand*\maketitle{%
6484 \begin{titlepage}%
6485 \let\footnotesize\small
6486 \let\right@footnoterule\relax
6487 \let\left@footnoterule\relax
6488 \let\textwidth\footnoterule\relax
6489 \let \footnote \thanks
6490 \long\def\@makefnitem##1{\parindent\z@
6491 \def\labelitemi{\textendash}\@revlabeltrue
6492 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
6493 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
6494 \if@compatibility\setcounter{page}{0}\fi
6495 \null\vfil
6496 \vskip 60\p@
6497 \begin{center}%
6498 \TitleFont
6499 {\LARGE \def\\{\penalty -\@M}
6500 \if@allcaps
6501 \expandafter\uc@nothanks\@title\thanks\relax
6502 \else
6503 \@title
6504 \fi\par}%
6505 \vskip 3em%
6506 {\large

```





```

6507         \lineskip .75em \parindent\z@
6508         \begin{tabular}[t]{c}%
6509             \if@allcaps
6510                 \expandafter\uc@authornothanks\@author\and\relax
6511             \else
6512                 \@author
6513             \fi
6514         \end{tabular}\par}%
6515     \vskip 1.5em%
6516     {\large
6517         \if@allcaps
6518             \uppercase\expandafter{\@date}%
6519         \else
6520             \@date
6521         \fi\par}%
6522     \end{center}\par
6523     \@thanks
6524     \vfil\null
6525 \end{titlepage}%
6526 \setcounter{footnote}{0}%
6527 \global\let\thanks\relax
6528 \global\let\maketitle\relax
6529 \global\let\@thanks\@empty
6530 \global\let\@author\@empty
6531 \global\let\@title\@empty
6532 \global\let\@date\@empty
6533 \global\let\title\relax
6534 \global\let\author\relax
6535 \global\let\date\relax
6536 \global\let\and\relax
6537 }

```

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

```

6538 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for X
6539 \def\@makechapterhead#1{%
6540     \vspace*{20\p@}
6541     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6542         \ifnum \c@secnumdepth >\m@ne
6543             \if@mainmatter
6544                 {\colorA\huge\scshape \@chapapp\space \thechapter}
6545                 \par\nobreak
6546                 \vskip 10\p@
6547             \fi
6548         \fi
6549         \interlinepenalty\@M
6550     {\colorB\hrule}
6551     \vskip 15\p@
6552     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
6553         {\colorA\Huge \bfseries #1}\par\nobreak

```



```

6554 \if@RTL\end{flushleft}\else\end{flushright}\fi
6555 \vskip 5\p@
6556 {\colorB\hrule}
6557 \vskip 30\p@
6558 }}
6559 \def\@makeschapterhead#1{%
6560 \vspace*{20\p@}
6561 {\parindent \z@ \raggedright \normalfont
6562 {\colorB\hrule}
6563 \vskip 15\p@
6564 \begin{center}
6565 {\colorA\Huge \bfseries #1}\par\nobreak
6566 \end{center}
6567 \vskip 5\p@
6568 {\colorB\hrule}
6569 \vskip 30\p@
6570 }}

```

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

```

6571 \ProvidesFile{book-xetex-bidi.def}[2017/06/09 v1.0 bidi adaptations for standard book class f
6572 \renewenvironment{theindex}
6573     {\if@twocolumn
6574       \@restonecolfalse
6575     \else
6576       \@restonecoltrue
6577     \fi
6578     \columnseprule \z@
6579     \columnsep 35\p@
6580     \twocolumn[\@makeschapterhead{\indexname}]%
6581     \@mkboth{\MakeUppercase\indexname}%
6582             {\MakeUppercase\indexname}%
6583     \thispagestyle{plain}\parindent\z@
6584     \parskip\z@ \@plus .3\p@\relax
6585     \let\item\@idxitem}
6586     {\if@restonecol\onecolumn\else\clearpage\fi}
6587 \@ifclassloaded{bookest}{\}{\%
6588 \if@titlepage
6589 \renewcommand\maketitle{\begin{titlepage}%
6590 \let\footnotesize\small
6591 \let\right@footnoterule\relax
6592 \let\left@footnoterule\relax
6593 \let\textwidth\footnoterule\relax
6594 \let \footnote \thanks
6595 \let \LTRfootnote \LTRthanks
6596 \let \RTLfootnote \RTLthanks
6597 \null\vfil
6598 \vskip 60\p@
6599 \begin{center}%
6600 {\LARGE \@title \par}%

```



```

6601 \vskip 3em%
6602 {\large
6603 \lineskip .75em%
6604 \begin{tabular}[t]{c}%
6605 \@author
6606 \end{tabular}\par}%
6607 \vskip 1.5em%
6608 {\large \@date \par}% % Set date in \large size.
6609 \end{center}\par
6610 \@thanks
6611 \vfil\null
6612 \end{titlepage}%
6613 \setcounter{footnote}{0}%
6614 \global\let\thanks\relax
6615 \global\let\LTRthanks\relax
6616 \global\let\RTLthanks\relax
6617 \global\let\maketitle\relax
6618 \global\let\@thanks\@empty
6619 \global\let\@author\@empty
6620 \global\let\@date\@empty
6621 \global\let\@title\@empty
6622 \global\let\title\relax
6623 \global\let\author\relax
6624 \global\let\date\relax
6625 \global\let\and\relax
6626 }
6627 \else
6628 \renewcommand\maketitle{\par
6629 \begingroup
6630 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6631 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6632 \long\def\@makefntext##1{\parindent 1em\noindent
6633 \hb@xt@1.8em{%
6634 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6635 \if@twocolumn
6636 \ifnum \col@number=\@ne
6637 \@maketitle
6638 \else
6639 \twocolumn[\@maketitle]%
6640 \fi
6641 \else
6642 \newpage
6643 \global\@topnum\z@ % Prevents figures from going at top of page.
6644 \@maketitle
6645 \fi
6646 \thispagestyle{plain}\@thanks
6647 \endgroup
6648 \setcounter{footnote}{0}%
6649 \global\let\thanks\relax
6650 \global\let\LTRthanks\relax

```



```

6651 \global\let\RTLthanks\relax
6652 \global\let\maketitle\relax
6653 \global\let\@maketitle\relax
6654 \global\let\@thanks\@empty
6655 \global\let\@author\@empty
6656 \global\let\@date\@empty
6657 \global\let\@title\@empty
6658 \global\let\title\relax
6659 \global\let\author\relax
6660 \global\let\date\relax
6661 \global\let\and\relax
6662 }
6663 \def\@maketitle{%
6664   \newpage
6665   \null
6666   \vskip 2em%
6667   \begin{center}%
6668     \let \footnote \thanks
6669     \let \LTRfootnote \LTRthanks
6670     \let \RTLfootnote \RTLthanks
6671     {\LARGE \@title \par}%
6672     \vskip 1.5em%
6673     {\large
6674       \lineskip .5em%
6675       \begin{tabular}[t]{c}%
6676         \@author
6677         \end{tabular}\par}%
6678     \vskip 1em%
6679     {\large \@date}%
6680   \end{center}%
6681   \par
6682   \vskip 1.5em}
6683 \fi}
6684 \renewcommand*\l@part[2]{%
6685   \ifnum \c@tocdepth >-2\relax
6686     \addpenalty{-\@highpenalty}%
6687     \addvspace{2.25em \@plus\p@}%
6688     \setlength\@tempdima{3em}%
6689     \begingroup
6690       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6691       \parfillskip -\@pnumwidth
6692       {\leavevmode
6693         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6694       \nobreak
6695       \global\@nobreaktrue
6696       \everypar{\global\@nobreakfalse\everypar{}}%
6697     \endgroup
6698   \fi}
6699 \renewcommand*\l@chapter[2]{%
6700   \ifnum \c@tocdepth >\m@ne

```



```

6701 \addpenalty{-\@highpenalty}%
6702 \vskip 1.0em \@plus\p@
6703 \setlength\@tempdima{1.5em}%
6704 \beginingroup
6705 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6706 \parfillskip -\@pnumwidth
6707 \leavevmode \bfseries
6708 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6709 \hskip -\if@RTL\rightskip\else\leftskip\fi
6710 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6711 \penalty\@highpenalty
6712 \endgroup
6713 \fi}
6714 \renewcommand\left@footnoterule{%
6715 \kern-3\p@
6716 \hrule\@width.4\columnwidth
6717 \kern2.6\p@}
6718 \renewcommand\right@footnoterule{%
6719 \kern-3\p@
6720 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
6721 \kern2.6\p@}
6722 \renewcommand\theequation
6723 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6724 \renewcommand \thefigure
6725 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6726 \renewcommand \thetable
6727 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6728 \renewcommand \thechapter {\@arabic\c@chapter}
6729 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6730 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6731 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
6732 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
6733 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
6734 \def\@makechapterhead#1{%
6735 \vspace*{50\p@}%
6736 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6737 \ifnum \c@secnumdepth >\m@ne
6738 \if@mainmatter
6739 \huge\bfseries \@chapapp\space \thechapter
6740 \par\nobreak
6741 \vskip 20\p@
6742 \fi
6743 \fi
6744 \interlinepenalty\@M
6745 \Huge \bfseries #1\par\nobreak
6746 \vskip 40\p@
6747 }}
6748 \def\@makeschapterhead#1{%
6749 \vspace*{50\p@}%
6750 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi

```



```

6751 \normalfont
6752 \interlinepenalty\@M
6753 \Huge \bfseries #1\par\nobreak
6754 \vskip 40\p@
6755 }}
6756 \renewcommand\backmatter{%
6757 \if@openright
6758 \cleardoublepage
6759 \else
6760 \clearpage
6761 \fi
6762 \@mainmatterfalse}
6763 \renewenvironment{thebibliography}[1]
6764 {\chapter*{\bibname}%
6765 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
6766 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6767 \bidi@@thebibliography@font@hook%
6768 \list{\@biblabel{\@arabic\c@enumiv}}%
6769 {\settowidth\labelwidth{\@biblabel{#1}}%
6770 \leftmargin\labelwidth
6771 \advance\leftmargin\labelsep
6772 \@openbib@code
6773 \usecounter{enumiv}%
6774 \let\p@enumiv\@empty
6775 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6776 \sloppy
6777 \clubpenalty4000
6778 \@clubpenalty \clubpenalty
6779 \widowpenalty4000%
6780 \sfcode`.\@m}
6781 {\def\@noitemerr
6782 {\@latex@warning{Empty `thebibliography' environment}}}%
6783 \endlist}

```

## 34 File breqn-xetex-bidi.def

```

6784 \ProvidesFile{breqn-xetex-bidi.def}[2016/09/12 v0.2 bidi adaptations for breqn package for Xe
6785 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
6786 \everydisplay\expandafter{\the\everydisplay \display@setup}%
6787 \if@noskipsec \leavevmode \fi
6788 \if@inlabel \leavevmode \global\@inlabelfalse \fi
6789 \if\eq@group\else\eq@prelim\fi
6790 \setkeys{breqn}{#1}%
6791 \the\eqstyle
6792 \eq@setnumber
6793 \begingroup
6794 \eq@setup@a
6795 \eq@startup
6796 }
6797 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%

```



```

6798 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
6799 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
6800 \global\let\GRP@label\@empty
6801 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
6802 \global\grp@linewidth\z@\global\grp@wdNum\z@
6803 \global\let\grp@eqs@numbered\@False
6804 \global\let\grp@aligned\@True
6805 \global\let\grp@shiftnumber\@False
6806 \eq@prelim
6807 \setkeys{breqn}{#1}%
6808 \if\grp@hasNumber \grp@setnumber \fi
6809 }
6810 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
6811 \let\display@setup\dseries@display@setup
6812 % Question: should this be the default for dseries???
6813 \global\eq@wdCond\z@
6814 \@dmath[layout={M},#1]%
6815 \mathsurround\z@\@math \penalty\@Mi
6816 \let\endmath\ends@math
6817 \def\premath{%
6818 \ifdim\lastskip<.3em \unskip
6819 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
6820 }%
6821 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
6822 \ignorespaces
6823 }
6824 \def\eqnumform#1{\if@nonlatin\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@nonlatin\endR\fi}
6825 \renewenvironment{dsuspend}{%
6826 \global\setbox\EQ@box\ vbox\bgroup\if@nonlatin\@RTLtrue\fi \@parboxrestore
6827 \parshape 1 \displayindent \displaywidth\relax
6828 \hsize=\columnwidth \noindent\ignorespaces
6829 }{%
6830 \par\egroup
6831 \global\setbox\GRP@box\ vbox{%
6832 \hbox{\copy\EQ@box\ vtop{\unvbox\EQ@box}}%
6833 \unvbox\GRP@box
6834 }%
6835 \global\GRP@queue\@xp{\the\GRP@queue
6836 \@elt{\let\eq@isIntertext\@True}%
6837 }%
6838 }

```

## 35 File calcs-xetex-bidi.def

```

6839 \ProvidesFile{calcs-xetex-bidi.def}[2016/11/30 v0.4 bidi adaptations for calcs package for XeTeX]
6840 \renewcommand\calcs@setup@alignment[1]{%
6841 \if c#1\relax \calcs@vfillAdd \leftskip \calcs@vfillAdd \rightskip \fi
6842 \if l#1\relax \calcs@vfillDrop\leftskip \calcs@vfillDrop\rightskip \fi
6843 \if r#1\relax \calcs@vfillAdd \leftskip \calcs@vfillDrop\rightskip \fi
6844 }

```



```

6845 \renewcommand\cals@table@alignment{\if@RTLtab r\else l\fi}
6846 \renewenvironment{calstable}[1][\cals@table@alignment]{%
6847 \if@RTLtab\cals@activate@rtl\fi
6848 \let\cals@thead@tokens=\relax
6849 \let\cals@tfoot@tokens=\relax
6850 \let\cals@tbreak@tokens=\relax
6851 \cals@tfoot@height=0pt \relax
6852 \let\cals@last@context=n%
6853 \let\cals@current@context=b%
6854 \parindent=0pt \relax%
6855 \cals@setup@alignment{#1}%
6856 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsz%
6857 %% Alignment inside is independent on center/flushright outside
6858 \parfillskip=0pt plus1fil\relax
6859 \let\cals@borderL=\relax
6860 \let\cals@borderR=\relax
6861 \let\cals@borderT=\relax
6862 \let\cals@borderB=\relax
6863 \setbox\cals@backup@row=\box\voidb@x\relax
6864 \cals@AtBeginTable
6865 }{% End of the table
6866 \cals@tfoot@tokens\lastrule\cals@AtEndTable}
6867 \renewcommand\alignL{%
6868 \if@RTLtab
6869 \cals@vfillAdd\cals@paddingL
6870 \else
6871 \cals@vfillDrop\cals@paddingL
6872 \fi
6873 \cals@vfillDrop\cals@paddingR}
6874 \renewcommand\alignR{%
6875 \if@RTLtab
6876 \cals@vfillDrop\cals@paddingL
6877 \else
6878 \cals@vfillAdd\cals@paddingL
6879 \fi
6880 \cals@vfillDrop\cals@paddingR}

```

## 36 File caption-xetex-bidi.def

```

6881 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for
6882 \let\@makecaption\caption@makecaption

```

## 37 File caption3-xetex-bidi.def

```

6883 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
6884 \renewcommand*\caption@par{%
6885 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

## 38 File colortbl-xetex-bidi.def





```

6886 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package]
6887 \def\CT@setup{%
6888   \@tempdimb\col@sep
6889   \@tempdimc\col@sep
6890   \def\CT@color{%
6891     \global\let\CT@do@color\CT@@do@color
6892     \bidicolor}}
6893 \def\@classz{\@classx
6894   \@tempcnta \count@
6895   \prepnext@tok
6896 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
6897 \@addtopreamble{\if@RTLtab\beginL\fi%
6898   \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
6899   \ifcase \@cnum
6900     \hskip\stretch{.5}\kern\z@
6901     \d@llarbegin
6902     \insert@column
6903     \d@llarend\hskip\stretch{.5}\or
6904     \d@llarbegin \insert@column \d@llarend \hfill \or
6905     \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
6906     $\vcenter
6907     \@startpbox{\@nextchar}\insert@column \@endpbox $\or
6908     \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
6909     \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
6910     \fi
6911 \if@RTLtab\endR\fi\egroup\egroup
6912 \begingroup
6913   \CT@setup
6914   \CT@column@color
6915   \CT@row@color
6916   \CT@cell@color
6917   \CT@do@color
6918 \endgroup
6919   \@tempdima\ht\z@
6920   \advance\@tempdima\minrowclearance
6921   \vrule\@height\@tempdima\@width\z@
6922   \unhbox\z@\if@RTLtab\endL\fi}%
6923 \prepnext@tok}

```

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

```

6924 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeLaTeX]
6925 \long\def\color@b@x#1#2#3{%
6926   \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
6927   \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
6928   \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
6929   \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
6930   {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
6931     \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
6932 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}

```



```

6933 \DeclareRobustCommand\color{%
6934   \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}%
6935 \def\@declaredcolor#1{%
6936   \ifundefined{\string\color @#1}%
6937     {\c@lor@error{`#1'}}%
6938     {\expandafter\let\expandafter\current@color
6939       \csname\string\color @#1\endcsname
6940       \set@color}%
6941   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6942 \def\@undeclaredcolor[#1]#2{%
6943   \ifundefined{color@#1}%
6944     {\c@lor@error{model `#1'}}%
6945     {\csname color@#1\endcsname\current@color{#2}%
6946       \set@color}%
6947   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
6948 \DeclareRobustCommand\bidicolor{%
6949   \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}%
6950 \def\@bidiundeclaredcolor[#1]#2{%
6951   \ifundefined{color@#1}%
6952     {\c@lor@error{model `#1'}}%
6953     {\csname color@#1\endcsname\current@color{#2}%
6954       \set@color}%
6955   \ignorespaces}
6956 \def\@bidideclaredcolor#1{%
6957   \ifundefined{\string\color @#1}%
6958     {\c@lor@error{`#1'}}%
6959     {\expandafter\let\expandafter\current@color
6960       \csname\string\color @#1\endcsname
6961       \set@color}%
6962   \ignorespaces}
6963 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
6964 \def\color@fbox#1#2#3{%
6965   \color@b@x{\fboxsep\z@\bidicolor#1{#2}\fbox}{\bidicolor#1{#3}}}
6966 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```

## 40 File combine-xetex-bidi.def

```

6967 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for ]
6968 \renewcommand{\c@ll@chapsecii}[2]{%
6969   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
6970   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
6971   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6972 }
6973 \renewcommand{\c@ll@chapseci}{%
6974   \setlength{\@tempdima}{0em}%
6975   \begingroup
6976     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6977     \parfillskip -\@pnumwidth
6978     \leavevmode
6979 }

```



```

6980 \renewenvironment{tocindent}[1]{%
6981   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{}

```

## 41 File crop-xetex-bidi.def

```

6982 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
6983 \renewcommand*\CROP@ulc{%
6984   \if@RTLmain%
6985     \begin{picture}(0,0)
6986       \unitlength\p@thinlines
6987       \put(-40,0){\circle{10}}
6988       \put(-30,-5){\line(0,1){10}}
6989       \put(-35,0){\line(1,0){30}}
6990       \put(-10,30){\circle{10}}
6991       \put(-5,30){\line(1,0){10}}
6992       \put(0,35){\line(0,-1){30}}
6993     \end{picture}%
6994   \else%
6995     \begin{picture}(0,0)
6996       \unitlength\p@thinlines
6997       \put(-30,0){\circle{10}}
6998       \put(-30,-5){\line(0,1){10}}
6999       \put(-35,0){\line(1,0){30}}
7000       \put(0,30){\circle{10}}
7001       \put(-5,30){\line(1,0){10}}
7002       \put(0,35){\line(0,-1){30}}
7003     \end{picture}%
7004   \fi%
7005 }
7006 \renewcommand*\CROP@urc{%
7007   \if@RTLmain%
7008     \begin{picture}(0,0)
7009       \unitlength\p@thinlines
7010       \put(20,0){\circle{10}}
7011       \put(30,-5){\line(0,1){10}}
7012       \put(35,0){\line(-1,0){30}}
7013       \put(-10,30){\circle{10}}
7014       \put(-5,30){\line(1,0){10}}
7015       \put(0,35){\line(0,-1){30}}
7016     \end{picture}%
7017   \else%
7018     \begin{picture}(0,0)
7019       \unitlength\p@thinlines
7020       \put(30,0){\circle{10}}
7021       \put(30,-5){\line(0,1){10}}
7022       \put(35,0){\line(-1,0){30}}
7023       \put(0,30){\circle{10}}
7024       \put(-5,30){\line(1,0){10}}
7025       \put(0,35){\line(0,-1){30}}
7026     \end{picture}%

```



```

7027     \fi%
7028 }
7029 \renewcommand*\CROP@llc{%
7030     \if@RTLmain%
7031         \begin{picture}(0,0)
7032             \unitlength\p@thinlines
7033             \put(-40,0){\circle{10}}
7034             \put(-30,-5){\line(0,1){10}}
7035             \put(-35,0){\line(1,0){30}}
7036             \put(-10,-30){\circle{10}}
7037             \put(-5,-30){\line(1,0){10}}
7038             \put(0,-35){\line(0,1){30}}
7039         \end{picture}%
7040     \else%
7041         \begin{picture}(0,0)
7042             \unitlength\p@thinlines
7043             \put(-30,0){\circle{10}}
7044             \put(-30,-5){\line(0,1){10}}
7045             \put(-35,0){\line(1,0){30}}
7046             \put(0,-30){\circle{10}}
7047             \put(-5,-30){\line(1,0){10}}
7048             \put(0,-35){\line(0,1){30}}
7049         \end{picture}%
7050     \fi%
7051 }
7052 \renewcommand*\CROP@lrc{%
7053     \if@RTLmain%
7054         \begin{picture}(0,0)
7055             \unitlength\p@thinlines
7056             \put(20,0){\circle{10}}
7057             \put(30,-5){\line(0,1){10}}
7058             \put(35,0){\line(-1,0){30}}
7059             \put(-10,-30){\circle{10}}
7060             \put(-5,-30){\line(1,0){10}}
7061             \put(0,-35){\line(0,1){30}}
7062         \end{picture}%
7063     \else%
7064         \begin{picture}(0,0)
7065             \unitlength\p@thinlines
7066             \put(30,0){\circle{10}}
7067             \put(30,-5){\line(0,1){10}}
7068             \put(35,0){\line(-1,0){30}}
7069             \put(0,-30){\circle{10}}
7070             \put(-5,-30){\line(1,0){10}}
7071             \put(0,-35){\line(0,1){30}}
7072         \end{picture}%
7073     \fi%
7074 }
7075 \@ifpackagewith{crop}{cam}{%
7076 \CROP@execopt{cam}%

```



7077 }{}

## 42 File cutwin-xetex-bidi.def

```
7078 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeLaTeX]
7079 \renewcommand*{\c@twcompctr}[2]{%
7080   \def\c@twfirst{1}
7081   \loop\advance\c@twwinlines\m@ne
7082   \setbox\c@twslicea=\vsplit#1 to\baselineskip
7083   \setbox\c@twsliceb=\vsplit#1 to\baselineskip
7084   \c@twprune{\c@twslicea}{\c@twlftside}%
7085   \c@twprune{\c@twsliceb}{\c@twrtside}%
7086   \ifnum\c@twfirst=\@ne
7087     \setbox#2=\vbox{\unvbox#2\hbox
7088       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}}
7089   \else
7090     \setbox#2=\vbox{\unvbox#2\hbox
7091       to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
7092   \fi
7093   \def\c@twfirst{2}
7094   \ifnum\c@twwinlines>\z@\repeat{
7095 \renewcommand*{\c@twcompodctr}[2]{%
7096   \def\c@twrounds{1}
7097   \def\c@twfirst{1}
7098   \@for\c@twlspec:=\c@twb\do{%
7099     \ifnum\c@twrounds=1
7100       \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
7101       \c@twprune{\c@twslicea}{\c@twlspec}%
7102       \def\c@twrounds{2}
7103     \else
7104       \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
7105       \c@twprune{\c@twsliceb}{\c@twlspec}%
7106       \ifnum\c@twfirst=1
7107         \setbox#2=\vbox{\unvbox#2\hbox
7108           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}}
7109         \def\c@twfirst{2}
7110       \else
7111         \setbox#2=\vbox{\unvbox#2\hbox
7112           to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
7113       \fi
7114       \def\c@twrounds{1}
7115     \fi}}
```

## 43 File cuted-xetex-bidi.def

```
7116 \ProvidesFile{cuted-xetex-bidi.def}[2017/05/06 v0.6 bidi adaptations for cuted package for XeLaTeX]
7117 \def\RTL@outputdblcol{%
7118   \if@firstcolumn
7119     \global\@firstcolumnfalse
7120   }
```



```

7121 \global\setbox\@leftcolumn\copy\@outputbox
7122 \splitmaxdepth\maxdimen
7123 \vbadness\maxdimen
7124 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7125 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7126 \toks@\expandafter{\topmark}%
7127 \xdef\@firstcoltopmark{\the\toks@}%
7128 \toks@\expandafter{\splitfirstmark}%
7129 \xdef\@firstcolfirstmark{\the\toks@}%
7130 \ifx\@firstcolfirstmark\@empty
7131 \global\let\@setmarks\relax
7132 \else
7133 \gdef\@setmarks{%
7134 \let\firstmark\@firstcolfirstmark
7135 \let\topmark\@firstcoltopmark}%
7136 \fi
7137 \else
7138 \global\@firstcolumntrue
7139 \setbox\@outputbox\vbox{%
7140 \hb@xt@\textwidth{%
7141 \hskip \columnwidth
7142 \hfil
7143 {\normalcolor\vrule \@width\columnseprule}%
7144 \hfil
7145 \hb@xt@\columnwidth{%
7146 \bidi@firstcolumn@status@write%
7147 \box\@leftcolumn \hss}%
7148 \hskip -\textwidth
7149 \hb@xt@\columnwidth{%
7150 \bidi@lastcolumn@status@write%
7151 \box\@outputbox \hss}%
7152 \hskip \columnsep
7153 \hskip \columnwidth }}%
7154 \ifvoid\hold@viper
7155 \else
7156 \setbox\@outputbox \vbox to\textheight{%
7157 \box\hold@viper
7158 \box\@outputbox
7159 \vss
7160 }%
7161 \fi
7162 \@combinedblfloats
7163 \@setmarks
7164 \@outputpage
7165 \beginingroup
7166 \@dblfloatplacement
7167 \@startdblcolumn
7168 \@whiles\if@fcolmade \fi{\@outputpage
7169 \@startdblcolumn}%
7170 \ifvoid\@viper

```



```

7171 \else
7172 \global\setbox\@viper\vbox{%
7173 \vskip-\stripsep
7174 \unvbox\@viper
7175 }%
7176 \@viperoutput
7177 \fi
7178 \endgroup
7179 \fi}%
7180
7181 \def\LTR@outputdblcol{%
7182 \if@firstcolumn
7183 \global\@firstcolumnfalse
7184 \global\setbox\@leftcolumn\copy\@outputbox
7185 \splitmaxdepth\maxdimen
7186 \vbadness\maxdimen
7187 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
7188 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
7189 \toks@\expandafter{\topmark}%
7190 \xdef\@firstcoltopmark{\the\toks@}%
7191 \toks@\expandafter{\splitfirstmark}%
7192 \xdef\@firstcolfirstmark{\the\toks@}%
7193 \ifx\@firstcolfirstmark\@empty
7194 \global\let\@setmarks\relax
7195 \else
7196 \gdef\@setmarks{%
7197 \let\firstmark\@firstcolfirstmark
7198 \let\topmark\@firstcoltopmark}%
7199 \fi
7200 \else
7201 \global\@firstcolumntrue
7202 \setbox\@outputbox\vbox{%
7203 \hb@xt@\textwidth{%
7204 \hb@xt@\columnwidth{%
7205 \bidi@firstcolumn@status@write%
7206 \box\@leftcolumn \hss}%
7207 \hfil
7208 {\normalcolor\vrule \@width\columnseprule}%
7209 \hfil
7210 \hb@xt@\columnwidth{%
7211 \bidi@lastcolumn@status@write%
7212 \box\@outputbox \hss}}}%
7213 \ifvoid\hold@viper
7214 \else
7215 \setbox\@outputbox \vbox to\textheight{%
7216 \box\hold@viper
7217 \box\@outputbox
7218 \vss
7219 }%
7220 \fi

```



```

7221 \@combinedblfloats
7222 \@setmarks
7223 \@outputpage
7224 \beginingroup
7225 \@dblfloatplacement
7226 \@startdblcolumn
7227 \@whiles\if@fcolmade \fi{\@outputpage
7228 \@startdblcolumn}%
7229 \ifvoid\@viper
7230 \else
7231 \global\setbox\@viper\vbox{%
7232 \vskip-\stripsep
7233 \unvbox\@viper
7234 }%
7235 \@viperoutput
7236 \fi
7237 \endgroup
7238 \fi}%
7239
7240
7241 \def \@addviper {%
7242 \if@firstcolumn
7243 \insertfalse
7244 \@reqcolroom .5\@pageht
7245 \ht@viper\@reqcolroom
7246 \advance \@reqcolroom \ht\@viper
7247 \advance \@reqcolroom \stripsep
7248 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7249 %%
7250 \@tempdimb \ht@viper
7251 \loop
7252 \setbox\v@aaa\copy\@holdpg
7253 \setbox\v@ccc\vbox to\@tempdimb{%
7254 \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
7255 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7256 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
7257 \loop
7258 \setbox\v@aaa\copy\@holdpg
7259 \setbox\v@ccc\vbox to\@tempdimb{%
7260 \vsplit\v@aaa to\@tempdimb\vss}%
7261 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
7262 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
7263 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
7264 \setbox\v@ccc\vbox to\@tempdimb{%
7265 \vsplit\@holdpg to\@tempdimb\vss}%
7266 %%
7267 \setbox\@tempboxa \vbox {%
7268 \hb@xt@\textwidth {%
7269 \if@RTLmain%
7270 \hskip \columnwidth

```





```

7271 \hfil \vrule width\columnseprule \hfil
7272 \hb@xt@\columnwidth {%
7273 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7274 \hskip -\textwidth
7275 \hb@xt@\columnwidth {%
7276 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7277 \hskip \columnsep
7278 \hskip \columnwidth
7279 \else%
7280 \hb@xt@\columnwidth {%
7281 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7282 \hfil
7283 \vrule \@width\columnseprule
7284 \hfil
7285 \hb@xt@\columnwidth {%
7286 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7287 \fi}%
7288 }%
7289 \ifvoid\hold@viper
7290 \global\setbox\hold@viper \vbox {%
7291 \unvbox\@tempboxa
7292 \penalty\interlinepenalty
7293 \vskip\stripsep
7294 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7295 \outputpenalty \z@
7296 }%
7297 \else
7298 \global\setbox\hold@viper \vbox {%
7299 \unvbox\hold@viper
7300 \unvbox\@tempboxa
7301 \penalty\interlinepenalty
7302 \vskip\stripsep
7303 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7304 \outputpenalty \z@
7305 }%
7306 \fi
7307 \ifdim \@colroom>\@reqcolroom
7308 \global\setbox\hold@viper \vbox {%
7309 \unvbox\hold@viper
7310 \box\@viper
7311 \penalty\interlinepenalty
7312 \vskip\stripsep
7313 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7314 \outputpenalty \z@
7315 }%
7316 \@inserttrue
7317 \advance\@tempdima by-\ht\hold@viper
7318 \global \advance \@colht \@tempdima
7319 \ifdim \@colht<2.5\baselineskip
7320 \@latex@warning{no@line {Optional argument of \noexpand\twocolumn

```



```

7321         too tall on page \thepage (1 stulpelis))%
7322         \@emptycol
7323         \if@firstcolumn
7324         \else
7325             \@emptycol
7326         \fi
7327         \global\@lastvipertrue
7328     \else
7329         \global \vsize \colht
7330         \global \@colroom \colht
7331         \check@floats
7332         \ifdim\@tempdima>\z@
7333             \global\advance\@colroom by-\@tempdima
7334         \fi
7335         \ifdim\@colroom<\z@
7336             \global\@colroom 1pt
7337             \ifdim\@tempdima>\colht
7338                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
7339                     netelpa lape \thepage (1 stulpelis))}%
7340             \fi
7341             \@emptycol
7342             \if@firstcolumn
7343             \else
7344                 \@emptycol
7345             \fi
7346             \global\@lastvipertrue
7347         \fi
7348     \fi
7349 \fi
7350 \else
7351     \@insertfalse
7352     \@reqcolroom\colht
7353     \advance\@reqcolroom \pageht
7354     \ht@viper.5\@reqcolroom
7355     \@reqcolroom\ht@viper
7356     \advance \@reqcolroom \ht\@viper
7357     \advance \@reqcolroom \stripsep
7358     \if@flushend@auto@baselineskip
7359         \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
7360             \global\lastskip@d\lastskip
7361             \global\lastskip@b\lastskip
7362         \loop
7363             \global\lastskip@a\lastskip@b
7364             \unskip\unpenalty
7365             \global\lastskip@b\lastskip
7366             \global\advance\lastskip@d by\lastskip
7367         \ifdim\lastskip@b=-\lastskip@a
7368             \global\advance\lastskip@d by-\lastskip
7369         \else
7370             \repeat

```



```

7371 \ifdim\lastskip@b=-\lastskip@a
7372 \ifdim\lastskip@b=\z@
7373 \setbox\lastbox@a\lastbox
7374 \global\advance\lastskip@d by\ht\lastbox@a
7375 \global\advance\lastskip@d by\lastskip
7376 \unskip\unpenalty
7377 \setbox\lastbox@a\lastbox
7378 \global\advance\lastskip@d by\dp\lastbox@a
7379 \else
7380 \global\lastskip@d\lastskip
7381 \global\advance\lastskip@d by\topskip
7382 \fi
7383 \fi
7384 \global\advance\lastskip@d by-\topskip
7385 }%
7386 \ifdim\ht\@holdpg>\@colht
7387 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
7388 \par\eject
7389 \vbox to \@colht{\unvbox\@holdpg\unskip}}%
7390 }%
7391 \else
7392 \global\setbox\@holdpg\vbox{%
7393 \unvbox\@leftcolumn\unskip\unpenalty
7394 \vskip\lastskip@d
7395 \the\At@ViperColsBreak
7396 \unvbox\@holdpg
7397 \unskip
7398 }%
7399 \fi
7400 \else
7401 \global\setbox\@holdpg\vbox{%
7402 \unvbox\@leftcolumn
7403 \setbox\@tempboxa\lastbox
7404 \on@stripcols@break
7405 \the\At@ViperColsBreak
7406 \unvbox\@holdpg
7407 }%
7408 \fi
7409 \global\At@ViperColsBreak{}}%
7410 \ht@viper .5\ht\@holdpg
7411 \ifdim \ht@viper>\@colht
7412 \ht@viper \@colht
7413 \fi
7414 \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
7415 %%
7416 \@tempdimb \ht@viper
7417 \loop
7418 \setbox\v@aaa\copy\@holdpg
7419 \setbox\v@ccc\vbox to\@tempdimb{%
7420 \vsplit\v@aaa to\@tempdimb

```



```

7421         \vss
7422         \vsplit\v@aaa to\@tempdimb
7423     }%
7424     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
7425     \ifvoid\v@aaa
7426     \else
7427         \advance\@tempdimb 1\p@
7428     \repeat
7429     \loop
7430         \setbox\v@aaa\copy\@holdpg
7431         \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
7432         \wlog{(2)Left:\the\ht\v@ccc\space
7433             Right:\the\ht\v@aaa\space
7434             Output:\the\@tempdimb
7435         }%
7436     \ifdim\ht\v@ccc<\ht\v@aaa
7437         \@tempdimb \the\ht\v@aaa
7438     \repeat
7439     \wlog{- LAST -^^JLeft:\the\ht\v@ccc
7440             ^^JRight:\the\ht\v@aaa
7441             ^^JOutput:\the\@tempdimb
7442     }%
7443     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
7444     \setbox\@tempboxa\vbox{%
7445         \hb@xt@\textwidth {%
7446             \if@RTLmain%
7447                 \hskip \columnwidth
7448                 \hfil \vrule width\columnseprule \hfil
7449                 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7450                 \hskip -\textwidth
7451                 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7452                 \hskip \columnsep
7453                 \hskip \columnwidth
7454             \else
7455                 \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
7456                 \hfil
7457                 \vrule \@width\columnseprule
7458                 \hfil
7459                 \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
7460             \fi%
7461         }%
7462     }%
7463     \ifvoid\hold@viper
7464         \global\setbox\hold@viper \vbox {%
7465             \unvbox\@tempboxa
7466             \penalty\interlinepenalty
7467             \vskip\stripsep
7468             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7469             \outputpenalty \z@
7470         }%

```



```

7471 \else
7472 \global\setbox\hold@viper \vbox {%
7473 \unvbox\hold@viper
7474 \unvbox\@tempboxa
7475 \penalty\interlinepenalty
7476 \vskip\stripsep
7477 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7478 \outputpenalty \z@
7479 }%
7480 \fi
7481 \ifdim \@colht>\@reqcolroom
7482 \global\setbox\hold@viper \vbox {%
7483 \unvbox\hold@viper
7484 \box\@viper
7485 \penalty\interlinepenalty
7486 \vskip\stripsep
7487 \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
7488 \outputpenalty \z@
7489 }%
7490 \@inserttrue
7491 \global\@firstcolumntrue
7492 \advance\@tempdima by-\ht\hold@viper
7493 \global \advance \@colht \@tempdima
7494 \ifdim \@colht<2.5\baselineskip
7495 \latex@warning@no@line {Optional argument of \noexpand\twocolumn
7496 too tall on page \thepage (2 stulpelis)}%
7497 \@emptycol
7498 \if@firstcolumn
7499 \else
7500 \@emptycol
7501 \fi
7502 \global\@lastvipertrue
7503 \else
7504 \global \vsize \@colht
7505 \global \@colroom \@colht
7506 \check@floats
7507 \ifdim\@tempdima>\z@
7508 \global\advance\@colroom by-\@tempdima
7509 \fi
7510 \ifdim\@colroom<\z@
7511 \global\@colroom 1pt
7512 \ifdim\@tempdima>\@colht
7513 \latex@warning@no@line {TOP ir/ar BOT FLOAT's
7514 netelpa lape \thepage (2 stulpelis)}%
7515 \fi
7516 \@emptycol
7517 \if@firstcolumn
7518 \else
7519 \@emptycol
7520 \fi

```



```

7521             \global\@lastvipertrue
7522         \fi
7523     \fi
7524 \fi
7525 \fi
7526 \if@insert
7527 \else
7528     \advance\@tempdima by-\ht\hold@viper
7529     \global \advance \@colht \@tempdima
7530     \global\setbox\hold@viper \vbox {%
7531                                     \unvbox\hold@viper
7532                                     \csname viper@top@hook\endcsname
7533                                     \vsplit\@viper to \@colht
7534                                     \vss
7535                                     }%
7536     \vbox{}%
7537     \global\@firstcolumnfalse
7538     \newpage
7539 \fi
7540 }

```

## 44 File cvthemebidicasual.sty

```

7541 \NeedsTeXFormat{LaTeX2e}
7542 \ProvidesPackage{cvthemebidicasual}
7543 \DeclareOption{blue}{}
7544 \newif\if@colourorange\@colourorangefalse
7545 \DeclareOption{orange}{\@colourorange true}
7546 \newif\if@colourgreen\@colourgreenfalse
7547 \DeclareOption{green}{\@colourgreentrue}
7548 \newif\if@colourred\@colourredfalse
7549 \DeclareOption{red}{\@colourred true}
7550 \newif\if@colourgrey\@colourgreyfalse
7551 \DeclareOption{grey}{\@colourgrey true}
7552 \DeclareOption*{
7553     \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
7554 \ExecuteOptions{colour}
7555 \ProcessOptions\relax
7556 \renewcommand*{\listitemsymbol}{\textbullet}
7557 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
7558 \familynamecolour{808080}
7559 \firstnamecolour{A9A9A9}
7560 \quotecolour{696969}
7561 \addresscolour{696969}
7562 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
7563 \sectiontitlecolour{1E90FF}
7564 \subsectioncolour{4682B4}
7565 \definecolor{rulecolour}{gray}{0.6}
7566 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
7567 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}

```



```

7568 \if@colouorange
7569   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
7570   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7571   \sectiontitlecolour{FF8C00}
7572   \subsectioncolour{FF8C00}
7573   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
7574   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
7575 \if@colourgreen
7576   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7577   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7578   \sectiontitlecolour{008000}
7579   \subsectioncolour{008000}
7580   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
7581   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
7582 \if@colourred
7583   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7584   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7585   \sectiontitlecolour{FF0000}
7586   \subsectioncolour{FF0000}
7587   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
7588   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
7589 \if@colourgrey
7590   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7591   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7592   \sectiontitlecolour{808080}
7593   \subsectioncolour{808080}
7594   \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
7595   \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
7596 \renewcommand*{\ttdefault}{pcr}
7597 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
7598 \renewcommand*{\familynamefont}{\firstnamefont}
7599 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7600 \renewcommand*{\quote font}{\large\slshape}
7601 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7602 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7603 \renewcommand*{\maketitle}{%
7604   {%
7605     \ifthenelse{\isundefined{\@photo}}{%
7606       {}%
7607       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
7608       \hfill%
7609       \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
7610     {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
7611     \ifthenelse{\isundefined{\@quote}}{%
7612       {}%
7613       {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.5em]}%
7614     }%
7615 \newif\if@firstfooterelement\@firstfooterelementtrue
7616 \providecommand*{\footersymbol}{%
7617 \renewcommand*{\footersymbol}{%

```



```

7618 \if@firstfooterelement%
7619 \else%
7620 { ~~\color{footersymbolcolor}\textbullet~~}\fi}
7621 \providecommand*\makefooter{}
7622 \renewcommand*\makefooter{%
7623 \fancypagestyle{plain}{%
7624 \fancyfoot[c]{%
7625 \parbox{0.8\textwidth}{%
7626 \centering%
7627 \addressfont\@addresscolour%
7628 \ifthenelse{\isundefined{\@address}}{}{%
7629 \addresssymbol~\@address\\%
7630 \@firstfooterelementfalse}%
7631 \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
7632 \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
7633 \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
7634 \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
7635 \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
7636 }%
7637 \pagestyle{plain}}
7638 \AtBeginDocument{\makefooter}

```

## 45 File cvthemebidiclassic.sty

```

7639 \NeedsTeXFormat{LaTeX2e}
7640 \ProvidesPackage{cvthemebidiclassic}
7641 \DeclareOption{blue}{}
7642 \newif\if@colourorange\@colourorangefalse
7643 \DeclareOption{orange}{\@colourorange true}
7644 \newif\if@colourgreen\@colourgreenfalse
7645 \DeclareOption{green}{\@colourgreentrue}
7646 \newif\if@colourred\@colourredfalse
7647 \DeclareOption{red}{\@colourred true}
7648 \newif\if@colourgrey\@colourgreyfalse
7649 \DeclareOption{grey}{\@colourgrey true}
7650 \DeclareOption*{
7651 \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
7652 \ExecuteOptions{colour}
7653 \ProcessOptions\relax
7654 \renewcommand*\listitemsymbol{\textbullet}
7655 \firstnamecolour{}
7656 \familynamecolour{}
7657 \titlecolour{808080}
7658 \quotecolour{696969}
7659 \addresscolour{696969}
7660 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
7661 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
7662 \sectiontitlecolour{1E90FF}
7663 \subsectioncolour{4682B4}
7664 \if@colourorange

```





```

7665 \addresscolour{FF8C00}
7666 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
7667 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
7668 \sectiontitlecolour{FF8C00}
7669 \subsectioncolour{FF8C00}\fi
7670 \if@colourgreen
7671 \addresscolour{008000}
7672 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
7673 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
7674 \sectiontitlecolour{008000}
7675 \subsectioncolour{008000}\fi
7676 \if@coloured
7677 \addresscolour{FF0000}
7678 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
7679 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
7680 \sectiontitlecolour{FF0000}
7681 \subsectioncolour{FF0000}\fi
7682 \if@colourgrey
7683 \addresscolour{808080}
7684 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
7685 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
7686 \sectiontitlecolour{808080}
7687 \subsectioncolour{808080}\fi
7688 \renewcommand*{\ttdefault}{pcr}
7689 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
7690 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
7691 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
7692 \renewcommand*{\familynamefont}{\firstnamefont}
7693 \renewcommand*{\quote font}{\large\slshape}
7694 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
7695 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
7696 \newlength{\maketitlenamemaxwidth}
7697 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
7698 \newlength{\maketitlenamefullwidth}
7699 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
7700 \newlength{\maketitlenamewidth}
7701 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamemaxwidth}\fi
7702 \newlength{\maketitlepicturewidth}
7703 \setlength{\maketitlepicturewidth}{\@photowidth}
7704 \newlength{\maketitledetailwidth}
7705 \renewcommand*{\recomputethemelengths}{%
7706 \setlength{\maketitledetailwidth}{\textwidth}%
7707 \addtolength{\maketitledetailwidth}{-\maketitlenamewidth}%
7708 \addtolength{\maketitledetailwidth}{-\separatorcolumnwidth}%
7709 \addtolength{\maketitledetailwidth}{-\maketitlepicturewidth}}
7710 \recomputethemelengths
7711 \newif\if@firstdetailselement\@firstdetailselementtrue
7712 \newcommand*{\maketitledetailnewline}{%
7713 \if@firstdetailselement%
7714 \@firstdetailselementfalse%

```



```

7715 \else%
7716   \[.2em]\fi}
7717 \renewcommand*{\maketitle}{%
7718   % name and title
7719   \begin{minipage}[b]{\maketitlewidth}%
7720     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
7721     \ifthenelse{\equal{\@title}{}}{\}[1.25em]\titlestyle{\@title}}%
7722   \end{minipage}%
7723   % optional data
7724   \begin{minipage}[b]{\maketitledetailwidth}%
7725     \bidi@raggedleft\addressfont\@addresscolour%
7726     \ifthenelse{\isundefined{\@address}}{\}%
7727       \maketitledetailsnewline%
7728       \addresssymbol~\@address}%
7729     \ifthenelse{\isundefined{\@mobile}}{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
7730     \ifthenelse{\isundefined{\@phone}}{\}\maketitledetailsnewline\phonesymbol~\@phone}%
7731     \ifthenelse{\isundefined{\@fax}}{\}\maketitledetailsnewline\faxsymbol~\@fax}%
7732     \ifthenelse{\isundefined{\@email}}{\}\maketitledetailsnewline\emailsymbol~\emailink{\@email}%
7733     \ifthenelse{\isundefined{\@extrainfo}}{\}\maketitledetailsnewline\@extrainfo}%
7734   \end{minipage}%
7735   % optional photo
7736   \ifthenelse{\isundefined{\@photo}}{\}%
7737     {\hspace*{\separatorcolumnwidth}\color{firstnamedcolor}\framebox{\includegraphics[width=\maketitledetailwidth]{\@photo}}}%
7738   % optional quote
7739   \ifthenelse{\isundefined{\@quote}}{\}%
7740     {\}%
7741     {\centering\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}[1.25em]\fi}
7742 }
7743 }

```

## 46 File dblfnote-xetex-bidi.def

```

7744 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package]
7745 \let\autofooterule\relax
7746 \let\rightfootnoterule\relax
7747 \let\leftfootnoterule\relax
7748 \let\textwidthfootnoterule\relax
7749 \let\LRfootnoterule\relax
7750 \def\footnoterule{\kern-3\p@
7751   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
7752 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext
7753 \let\@footnotetext\dfn@footnotetext}
7754 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
7755   \let\insert\dfn@gobble
7756   \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7757   \def\@makefnmark{\smash{\dfn@makefnmark}}
7758   \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7759   \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7760   \ifdim\dfn@dima>\z@else
7761     \dfn@dima1sp\relax

```



```

7762         \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7763     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7764         \ifvoid\dfn@ins\else
7765             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7766         \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7767     \setbox\dfn@boxa\copy\dfn@ins
7768     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7769     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7770     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7771     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7772     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7773 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
7774 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
7775 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
7776     \let\insert\dfn@gobble
7777     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
7778     \def\@makefnmark{\smash{\dfn@makefnmark}}
7779     \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
7780     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
7781     \ifdim\dfn@dima>\z@\else
7782         \dfn@dima1sp\relax
7783     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
7784     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
7785         \ifvoid\dfn@ins\else
7786             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
7787         \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
7788     \setbox\dfn@boxa\copy\dfn@ins
7789     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7790     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
7791     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
7792     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
7793     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
7794 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
7795 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
7796 \def\dfn@RTLmakecol{{\ifvoid\footins\else
7797     \dfn@dima\ht\footins
7798     \@tempcnta\z@ \dfn@countins
7799     \@tempdima\z@ \let\@elt\dfn@elt@getht
7800     \dfn@list\@nil
7801     \ifdim\@tempdima=\z@\else
7802         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7803     \global\setbox\dfn@ins\box\dfn@ins
7804     \@tempwattrue
7805     \ifdfn@trysingle
7806         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7807         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7808         \advance\@tempdima-\skip\footins
7809         \advance\@tempdima-\ht\dfn@boxa
7810         \ifdim\@tempdima<\z@\else \@tempswafalse
7811             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp

```



```

7812 \footnoterule \unvbox\dfn@boxa}\fi\fi
7813 \if@tempswa
7814 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7815 \global\setbox\footins\vbox{\hbox{%
7816 \hskip \DFNcolumnwidth
7817 \hskip\DFNcolumnsep
7818 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7819 \unvbox\dfn@boxb\vss}\hss}
7820 \hskip -\textwidth
7821 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7822 \vbox to\@tempdima{
7823 \setbox\@tempboxa\vbox{\footnoterule}
7824 \ifdfn@ruleboth \unvbox\@tempboxa
7825 \else \@tempdima\ht\@tempboxa
7826 \advance\@tempdima\dp\@tempboxa
7827 \vskip\@tempdima
7828 \prevdepth\dp\@tempboxa \fi
7829 \unvbox\dfn@boxa\vss}\fi\hss}
7830 \hskip \DFNcolumnsep
7831 \hskip \DFNcolumnwidth}}\fi\fi
7832 \global\dfn@fnht\z@
7833 \ifx\dfn@list\@empty\else
7834 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7835 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7836 \let\@elt\relax
7837 \ifdim\dfn@dimb>\z@
7838 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7839 \insert\footins{\floatingpenalty\@MM
7840 \vbox to\dfn@dimb{}}\fi
7841 \ifdim\dfn@fnht>\@tempdima
7842 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7843 \global\dfn@fnht\@tempdima
7844 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7845 \xdef\dfn@afteroutput{\insert\footins{
7846 \floatingpenalty\@MM
7847 \vbox to\number\@tempdimb sp{}}}%
7848 \global\let\noexpand\dfn@afteroutput\relax}%
7849 \fi\fi
7850 \fi}%
7851 \let\footnoterule\relax \dfn@latex@makecol
7852 \let\footnoterule\dfn@footnoterule}
7853 \def\dfn@LTRmakecol{\ifvoid\footins\else
7854 \dfn@dima\ht\footins
7855 \@tempcnta\z@ \dfn@countins
7856 \@tempdima\z@ \let\@elt\dfn@elt@getht
7857 \dfn@list\@nil
7858 \ifdim\@tempdima=\z@\else
7859 \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
7860 \global\setbox\dfn@ins\box\dfn@ins
7861 \@tempwattrue

```



```

7862 \ifdfn@trysingle
7863 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
7864 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
7865 \advance\@tempdima-\skip\footins
7866 \advance\@tempdima-\ht\dfn@boxa
7867 \ifdim\@tempdima<\z@\else \@tempswafalse
7868 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
7869 \footnoterule \unvbox\dfn@boxa}\fi\fi
7870 \if@tempswa
7871 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
7872 \global\setbox\footins\vbox{\hbox{%
7873 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
7874 \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
7875 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
7876 \vbox to\@tempdima{
7877 \setbox\@tempboxa\vbox{\footnoterule}
7878 \ifdfn@ruleboth \unvbox\@tempboxa
7879 \else \@tempdima\ht\@tempboxa
7880 \advance\@tempdima\dp\@tempboxa
7881 \vskip\@tempdima
7882 \prevdepth\dp\@tempboxa \fi
7883 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
7884 \global\dfn@fnht\z@
7885 \ifx\dfn@list\@empty\else
7886 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
7887 \dfn@list \global\advance\dfn@fnht\dfn@dimb
7888 \let\@elt\relax
7889 \ifdim\dfn@dimb>\z@
7890 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
7891 \insert\footins{\floatingpenalty\@MM
7892 \vbox to\dfn@dimb{}}\fi
7893 \ifdim\dfn@fnht>\@tempdima
7894 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
7895 \global\dfn@fnht\@tempdima
7896 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
7897 \xdef\dfn@afteroutput{\insert\footins{
7898 \floatingpenalty\@MM
7899 \vbox to\number\@tempdimb sp{}}}%
7900 \global\let\noexpand\dfn@afteroutput\relax}%
7901 \fi\fi
7902 \fi}%
7903 \let\footnoterule\relax \dfn@latex@makecol
7904 \let\footnoterule\dfn@footnoterule}
7905 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
7906 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
7907 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
7908 \DFNalwaysdouble

```



## 47 File diagbox-xetex-bidi.def

```

7909 \ProvidesFile{diagbox-xetex-bidi.def}[2017/12/30 v0.2 bidi adaptations for diagbox package for
7910 \bidi@patchcmd{\diagbox@double}{%
7911     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7912 }{\bidi@@diagbox@double@ii}{%}
7913 \bidi@patchcmd{\diagbox@double}{%
7914     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
7915 }{\bidi@@diagbox@double@iii}{%}
7916 \newcommand*{\bidi@@diagbox@double@ii}{%
7917     \if@RTL
7918         \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}
7919     \else
7920         \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7921     \fi
7922 }
7923 \newcommand*{\bidi@@diagbox@double@iii}{%
7924     \if@RTL
7925         \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7926     \else
7927         \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
7928     \fi
7929 }
7930 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7931     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7932 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%}
7933 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7934     \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7935 }{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%}
7936 \bidi@patchcmd{\diagbox@triple@setbox@NW}{%
7937     \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
7938 }{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%}
7939 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@i@ii}{%
7940     \if@RTL
7941         \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepl}}
7942     \else
7943         \begin{tabular}{@{\hspace{\diagbox@insepl}}>{\diagbox@font}l@{}}
7944     \fi
7945 \newcommand*{\bidi@@diagbox@triple@setbox@NW@tabular@iii}{%
7946     \if@RTL
7947         \begin{tabular}{@{\hspace{\diagbox@insepr}}>{\diagbox@font}l@{}}
7948     \else
7949         \begin{tabular}{@{}>{\diagbox@font}r@{\hspace{\diagbox@insepr}}
7950     \fi
7951 \let\diagbox@triple@setbox@SW\diagbox@triple@setbox@NW
7952 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7953     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}%
7954 }{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%}
7955 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7956     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%

```



```

7957 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
7958 \bidi@patchcmd{\diagbox@triple@setbox@SE}{%
7959   \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7960 }{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{-}{-}
7961 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@i}{%
7962   \if@RTL
7963     \begin{tabular}{@{}r@{\hspace{\diagbox@insepl}}}%
7964   \else
7965     \begin{tabular}{@{\hspace{\diagbox@insepl}}l@{}}
7966   \fi
7967 }
7968 \newcommand*{\bidi@@diagbox@triple@setbox@SE@tabular@ii@iii}{%
7969   \if@RTL
7970     \begin{tabular}{@{\hspace{\diagbox@insepr}}l@{}}
7971   \else
7972     \begin{tabular}{@{}r@{\hspace{\diagbox@insepr}}}%
7973   \fi
7974 }
7975 \let\diagbox@triple@setbox@NE\diagbox@triple@setbox@SE
7976 \bidi@patchcmd{\diagbox@double@pict@SE}{%
7977   \diagbox@setlinecolor
7978   \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
7979 }{%
7980   {\diagbox@setlinecolor
7981     \Line(0,\strip@pt\diagbox@ht)(\strip@pt\diagbox@wd,0)%
7982 }{-}{-}
7983 \let\diagbox@double@pict@NW\diagbox@double@pict@SE
7984 \bidi@patchcmd{\diagbox@double@pict@NE}{%
7985   \diagbox@setlinecolor
7986   \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
7987 }{%
7988   {\diagbox@setlinecolor
7989     \Line(0,0)(\strip@pt\diagbox@wd,\strip@pt\diagbox@ht)%
7990 }{-}{-}
7991 \let\diagbox@double@pict@SW\diagbox@double@pict@NE
7992 \bidi@patchcmd{\diagbox@triple@pict@NW}{%
7993   \diagbox@setlinecolor
7994   \Line(0,\yym)(\x,0)
7995   \Line(\xm,\y)(\x,0)%
7996 }{%
7997   {\diagbox@setlinecolor
7998     \Line(0,\yym)(\x,0)
7999     \Line(\xm,\y)(\x,0)}%
8000 }{-}{-}
8001 \bidi@patchcmd{\diagbox@triple@pict@NE}{%
8002   \diagbox@setlinecolor
8003   \Line(0,0)(\xxm,\y)
8004   \Line(0,0)(\x,\yym)%
8005 }{%
8006   {\diagbox@setlinecolor

```



```

8007 \Line(0,0)(\xxm,\y)
8008 \Line(0,0)(\x,\ym)}%
8009 }{}{}
8010 \bidi@patchcmd{\diagbox@triple@pict@SW}{%
8011 \diagbox@setlinecolor
8012 \Line(0,\ym)(\x,\y)
8013 \Line(\xm,0)(\x,\y)%
8014 }{%
8015 {\diagbox@setlinecolor
8016 \Line(0,\ym)(\x,\y)
8017 \Line(\xm,0)(\x,\y)}%
8018 }{}{}
8019 \bidi@patchcmd{\diagbox@triple@pict@SE}{%
8020 \diagbox@setlinecolor
8021 \Line(0,\y)(\xxm,0)
8022 \Line(0,\y)(\x,\ym)%
8023 }{%
8024 {\diagbox@setlinecolor
8025 \Line(0,\y)(\xxm,0)
8026 \Line(0,\y)(\x,\ym)}%
8027 }{}{}

```

## 48 File draftwatermark-xetex-bidi.def

```

8028 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
8029 \renewcommand\SetWatermarkText[1]{%
8030 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

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

```

8031 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for xetex]
8032 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
8033 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
8034 }
8035 \ESO@isMEMOIR{%
8036 \renewcommand\AtTextUpperLeft[1]{%
8037 \begingroup
8038 \ifodd\c@page
8039 \@tempdima=\spinemargin
8040 \else
8041 \@tempdima=\paperwidth
8042 \advance\@tempdima-\textwidth
8043 \advance\@tempdima-\spinemargin
8044 \fi
8045 \@tempdimb=-\uppermargin
8046 \AtPageUpperLeft{%
8047 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8048 }%
8049 \endgroup
8050 }

```





```

8051 }{%
8052   \renewcommand\AtTextUpperLeft[1]{%
8053     \begin{group}
8054       \@tempdima=1in\relax
8055       \ifodd\c@page
8056         \advance\@tempdima\oddsidemargin
8057       \else
8058         \advance\@tempdima\evensidemargin
8059       \fi
8060       \@tempdimb=-1in\relax
8061       \advance\@tempdimb-\topmargin
8062       \advance\@tempdimb-\headheight
8063       \advance\@tempdimb-\headsep
8064       \AtPageUpperLeft{%
8065         \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
8066       }%
8067     \endgroup
8068   }
8069 }

```

## 50 File empheq-xetex-bidi.def

```

8070 \ProvidesFile{empheq-xetex-bidi.def}[2018/01/08 v0.2 bidi adaptations for empheq package for X
8071 \MHInternalSyntaxOn
8072 \def\EQ_tag_plus_endmark:{%
8073   \iftagsleft@
8074     \gdef\maketag@@@##1{%
8075       \hfuzz\displaywidth
8076       \if@RTL\makebox[\widthof{##1}][r]{%
8077         \hbox to \displaywidth{\m@th\normalfont##1\hss
8078           \raisebox{-\dp\EQ_mathdisplay_box
8079             -\depthof{\EQ_outerbox:}}{
8080             {\PotEndMark{\hss}}}}
8081       \else\makebox[\widthof{##1}][l]{%
8082         \hbox to \displaywidth{\m@th\normalfont##1\hss
8083           \raisebox{-\dp\EQ_mathdisplay_box
8084             -\depthof{\EQ_outerbox:}}{
8085             {\PotEndMark{\hss}}}}\fi}%
8086 \MH_else:
8087   \gdef\maketag@@@##1{%
8088     \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
8089       \settoheight{\@tempdima}{\@nameuse{InTheoType Symbol}}}%
8090     \MH_addtolength:dn \@tempdima
8091     {\g_EQ_bottomtag_depth_dim+\mintagvsep}
8092     \setlength{\@tempdimb}
8093     {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
8094     +\depthof{\EQ_innerbox:}}
8095     \MH_if_dim:w \@tempdima>\@tempdimb
8096     \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
8097       -\@tempdima+\g_EQ_bottomrow_depth_dim}

```



```

8098         \addtolength{\@tempdima}{\depthof{EQ_innerbox:}}}%
8099         \def\EQ_next:{\raisebox{\@tempdima}}%
8100         \MH_else:
8101         \def\EQ_next:{
8102             \raisebox{-\dp\EQ_mathdisplay_box
8103                 -\depthof{EQ_outerbox:}}}%
8104         \MH_fi:\EQ_next:}}}%
8105     \MH_fi:}
8106 \def\EQ_post_process:{%
8107     \EQ_initialize:
8108     \EQ_begin_equation:
8109     \MH_if_boolean:nT {outer_mult}{
8110         \setkeys{MT_options_name:}{
8111             firstline-afterskip=0pt,
8112             lastline-preskip=0pt,
8113             multlined-width=0pt,
8114         }
8115         \ifodd \l_EQ_alignmentmode_int
8116         \setkeys{MT_options_name:}{multlined-pos=b}
8117         \MH_else:
8118         \setkeys{MT_options_name:}{multlined-pos=t}
8119         \MH_fi:
8120         \g@addto@macro\EQ_complete_mathdisplay:{
8121             \begin{MTmultlined}\relax}
8122     }
8123     \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
8124     \MH_if_boolean:nT {outer_mult}{
8125         \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
8126     }
8127     \EQ_end_equation:
8128     \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
8129     \savecounters@
8130     \EQ_typeset_tags:
8131     \edef\l_EQ_equation_fint{\number\c@equation}
8132     \restorecounters@
8133     \Hy@linkcounter=\EQ_hyperref_link_fint
8134     \settowidth\l_EQ_totalwidth_dim{%
8135         $\EQ_left_side:\EQ_innerbox:}\EQ_right_side:$}%
8136     \MH_if_boolean:nTF {outer_mult}
8137     { \def\EQ_next:{_mult} }
8138     { \def\EQ_next:{} }
8139     \@nameuse{EQ_modify_linewidth_
8140         \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
8141     \EQ_typeset_display:
8142     \@nameuse{EQ_find_displaywidth_
8143         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8144     \MH_addtolength:dn
8145     \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
8146     \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
8147         $\EQ_left_side:

```



```

8148 \EQ_innerbox:{%
8149 \MH_if_case:w \l_EQ_alignmentmode_int\MH_or:
8150 \makebox[\l_EQ_displaywidth_dim][c]
8151 {\usebox{\EQ_mathdisplay_box}}%
8152 \MH_or:
8153 \makebox[\l_EQ_displaywidth_dim][c]
8154 {\usebox{\EQ_mathdisplay_box}}%
8155 \MH_or:
8156 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8157 \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8158 \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8159 \kern-\@mathmargin
8160 \MH_fi:
8161 \MH_fi:
8162 \usebox{\EQ_mathdisplay_box}}%
8163 \else\makebox[\l_EQ_displaywidth_dim][l]{%
8164 \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8165 \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8166 \kern-\@mathmargin
8167 \MH_fi:
8168 \MH_fi:
8169 \usebox{\EQ_mathdisplay_box}}\fi%
8170 \MH_or:
8171 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
8172 \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8173 \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8174 \kern-\@mathmargin
8175 \MH_fi:
8176 \MH_fi:
8177 \usebox{\EQ_mathdisplay_box}}
8178 \else\makebox[\l_EQ_displaywidth_dim][l]{%
8179 \MH_if_num:w \l_EQ_equationtype_int=5 \MH_else:
8180 \MH_if_num:w \l_EQ_equationtype_int=6 \MH_else:
8181 \kern-\@mathmargin
8182 \MH_fi:
8183 \MH_fi:
8184 \usebox{\EQ_mathdisplay_box}}\fi%
8185 \MH_fi:}%
8186 \EQ_right_side:$}%
8187 \begin{AmSequation*}
8188 \@nameuse{EQ_place_display_
8189 \romannumeral\l_EQ_equationtype_int\EQ_next: :}
8190 \MH_if_dim:w \g_EQ_widesttag_dim>\z@
8191 \MH_set_boolean_T:n {show_manual_tags}
8192 \MH_if_case:w \l_EQ_alignmentmode_int
8193 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#1
8194 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#2
8195 \MH_or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %\#3
8196 \MH_or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %\#4
8197 \MH_fi:

```



```

8198 \MH_fi:
8199 \end{AmSequation*}
8200 \global\c@equation=\l_EQ_equation_fint\relax
8201 }
8202 \AtBeginDocument{%
8203 \ifpackageloaded{fancybox}{%
8204 \ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
8205 {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
8206 \renewcommand*\shadowbox{%
8207 \ifstar{\MH_set_boolean_T:n {shadowbox_star}
8208 \VerbBox\EQ_shadowbox:n}
8209 {\MH_set_boolean_F:n {shadowbox_star}
8210 \VerbBox\EQ_shadowbox:n}}
8211 \def\EQ_shadowbox:n #1{%
8212 \sbox{\z@}{\fbox{#1}}%
8213 \MH_if_boolean:nTF {shadowbox_star}{
8214 \MH_setlength:dn \@tempdima{\z@}%
8215 }{
8216 \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
8217 }
8218 \raisebox{\@tempdima}{%
8219 \if@RTL\makebox[\z@][r]{%
8220 \kern\shadowsize \textcolor{shadowcolor}{%
8221 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
8222 }%
8223 \else\makebox[\z@][l]{%
8224 \kern\shadowsize \textcolor{shadowcolor}{%
8225 \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}}%
8226 }\fi%
8227 \usebox\z@\textcolor{shadowcolor}{%
8228 \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
8229 }{}%
8230 }
8231 \MHInternalSyntaxOff

```

## 51 File extarticle-xetex-bidi.def

```

8232 \ProvidesFile{extarticle-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extarticle class]
8233 \renewcommand*\l@section[2]{%
8234 \ifnum \c@tocdepth >\z@
8235 \addpenalty\@secpenalty
8236 \addvspace{1.0em \@plus\p@}%
8237 \setlength\@tempdima{1.5em}%
8238 \begingroup
8239 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8240 \parfillskip -\@pnumwidth
8241 \leavevmode \bfseries
8242 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8243 \hskip -\if@RTL\rightskip\else\leftskip\fi
8244 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par

```



```

8245 \endgroup
8246 \fi}
8247 \renewcommand*\l@part[2]{%
8248 \ifnum \c@tocdepth >-2\relax
8249 \addpenalty\@secpenalty
8250 \addvspace{2.25em \@plus\p@}%
8251 \begingroup
8252 \setlength\@tempdima{3em}%
8253 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8254 \parfillskip -\@pnumwidth
8255 {\leavevmode
8256 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8257 \nobreak
8258 \endgroup
8259 \fi}
8260 \def\@part[#1]#2{%
8261 \ifnum \c@secnumdepth >\m@ne
8262 \refstepcounter{part}%
8263 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
8264 \else
8265 \addcontentsline{toc}{part}{#1}%
8266 \fi
8267 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8268 \interlinepenalty \@M
8269 \normalfont
8270 \ifnum \c@secnumdepth >\m@ne
8271 \Large\bfseries \partname~\thepart
8272 \par\nobreak
8273 \fi
8274 \huge \bfseries #2%
8275 \markboth{}{}\par}%
8276 \nobreak
8277 \vskip 3ex
8278 \@afterheading}
8279 \def\@spart#1{%
8280 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8281 \interlinepenalty \@M
8282 \normalfont
8283 \huge \bfseries #1\par}%
8284 \nobreak
8285 \vskip 3ex
8286 \@afterheading}
8287 \renewenvironment{thebibliography}[1]
8288 {\section*\refname
8289 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
8290 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8291 \bidi@thebibliography@font@hook%
8292 \list{\@biblabel{\@arabic\c@enumiv}}%
8293 {\settowidth\labelwidth{\@biblabel{#1}}%
8294 \leftmargin\labelwidth

```



```

8295         \advance\leftmargin\labelsep
8296         \@openbib@code
8297         \usecounter{enumiv}%
8298         \let\p@enumiv\@empty
8299         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8300     \sloppy\clubpenalty4000\widowpenalty4000%
8301     \sfcode`.\@m}
8302     {\def\@noitemerr
8303       {\@latex@warning{Empty `thebibliography' environment}}}%
8304     \endlist}
8305 \renewcommand\left@footnoterule{%
8306   \kern-3\p@
8307   \hrule\@width.4\columnwidth
8308   \kern2.6\p@}
8309 \renewcommand\right@footnoterule{%
8310   \kern-3\p@
8311   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8312   \kern2.6\p@}
8313   \if@titlepage
8314   \renewcommand\maketitle{\begin{titlepage}%
8315     \let\footnotesize\small
8316     \let\right@footnoterule\relax
8317     \let\left@footnoterule\relax
8318     \let\textwidth\footnoterule\relax
8319     \let \footnote \thanks
8320     \null\vfil
8321     \vskip 60\p@
8322     \begin{center}%
8323       {\LARGE \@title \par}%
8324       \vskip 3em%
8325       {\large
8326         \lineskip .75em%
8327         \begin{tabular}[t]{c}%
8328           \@author
8329         \end{tabular}\par}%
8330         \vskip 1.5em%
8331         {\large \@date \par}%           % Set date in \large size.
8332     \end{center}\par
8333     \@thanks
8334     \vfil\null
8335     \end{titlepage}%
8336     \setcounter{footnote}{0}%
8337     \global\let\thanks\relax
8338     \global\let\maketitle\relax
8339     \global\let\@thanks\@empty
8340     \global\let\@author\@empty
8341     \global\let\@date\@empty
8342     \global\let\@title\@empty
8343     \global\let\title\relax
8344     \global\let\author\relax

```



```

8345 \global\let\date\relax
8346 \global\let\and\relax
8347 }
8348 \else
8349 \renewcommand\maketitle{\par
8350 \begin{group}
8351   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8352   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8353   \long\def\@makefnmark##1{\parindent 1em\noindent
8354     \hb@xt@1.8em{%
8355       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8356   \if@twocolumn
8357     \ifnum \col@number=\@ne
8358       \maketitle
8359     \else
8360       \twocolumn[\maketitle]%
8361     \fi
8362   \else
8363     \newpage
8364     \global\@topnum\z@ % Prevents figures from going at top of page.
8365     \maketitle
8366   \fi
8367   \thispagestyle{plain}\@thanks
8368 \end{group}
8369 \setcounter{footnote}{0}%
8370 \global\let\thanks\relax
8371 \global\let\maketitle\relax
8372 \global\let\@maketitle\relax
8373 \global\let\@thanks\@empty
8374 \global\let\@author\@empty
8375 \global\let\@date\@empty
8376 \global\let\@title\@empty
8377 \global\let\title\relax
8378 \global\let\author\relax
8379 \global\let\date\relax
8380 \global\let\and\relax
8381 }
8382 \def\@maketitle{%
8383   \newpage
8384   \null
8385   \vskip 2em%
8386   \begin{center}%
8387     \let \footnote \thanks
8388     {\LARGE \@title \par}%
8389     \vskip 1.5em%
8390     {\large
8391       \lineskip .5em%
8392       \begin{tabular}[t]{c}%
8393         \@author
8394       \end{tabular}\par}%

```



```

8395 \vskip 1em%
8396 {\large \@date}%
8397 \end{center}%
8398 \par
8399 \vskip 1.5em}
8400 \fi
8401 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
8402 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8403 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8404 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

## 52 File extbook-xetex-bidi.def

```

8405 \ProvidesFile{extbook-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for extbook class for X
8406 \if@titlepage
8407 \renewcommand\maketitle{\begin{titlepage}%
8408 \let\footnotesize\small
8409 \let\right@footnoterule\relax
8410 \let\left@footnoterule\relax
8411 \let\textwidth\footnoterule\relax
8412 \let \footnote \thanks
8413 \let \LTRfootnote \LTRthanks
8414 \let \RTLfootnote \RTLthanks
8415 \null\vfil
8416 \vskip 60\p@
8417 \begin{center}%
8418 {\LARGE \@title \par}%
8419 \vskip 3em%
8420 {\large
8421 \lineskip .75em%
8422 \begin{tabular}[t]{c}%
8423 \@author
8424 \end{tabular}\par}%
8425 \vskip 1.5em%
8426 {\large \@date \par}% % Set date in \large size.
8427 \end{center}\par
8428 \@thanks
8429 \vfil\null
8430 \end{titlepage}%
8431 \setcounter{footnote}{0}%
8432 \global\let\thanks\relax
8433 \global\let\LTRthanks\relax
8434 \global\let\RTLthanks\relax
8435 \global\let\maketitle\relax
8436 \global\let\@thanks\@empty
8437 \global\let\@author\@empty
8438 \global\let\@date\@empty
8439 \global\let\@title\@empty
8440 \global\let\title\relax
8441 \global\let\author\relax

```





```

8442 \global\let\date\relax
8443 \global\let\and\relax
8444 }
8445 \else
8446 \renewcommand\maketitle{\par
8447 \begin{group}
8448   \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8449   \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8450   \long\def\@makefntext##1{\parindent 1em\noindent
8451     \hb@xt@1.8em{%
8452       \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8453   \if@twocolumn
8454     \ifnum \col@number=\@ne
8455       \maketitle
8456     \else
8457       \twocolumn[\maketitle]%
8458     \fi
8459   \else
8460     \newpage
8461     \global\@topnum\z@ % Prevents figures from going at top of page.
8462     \maketitle
8463   \fi
8464   \thispagestyle{plain}\@thanks
8465 \end{group}
8466 \setcounter{footnote}{0}%
8467 \global\let\thanks\relax
8468 \global\let\LTRthanks\relax
8469 \global\let\RTLthanks\relax
8470 \global\let\maketitle\relax
8471 \global\let\@maketitle\relax
8472 \global\let\@thanks\@empty
8473 \global\let\@author\@empty
8474 \global\let\@date\@empty
8475 \global\let\@title\@empty
8476 \global\let\title\relax
8477 \global\let\author\relax
8478 \global\let\date\relax
8479 \global\let\and\relax
8480 }
8481 \def\@maketitle{%
8482   \newpage
8483   \null
8484   \vskip 2em%
8485   \begin{center}%
8486     \let \footnote \thanks
8487     \let \LTRfootnote \LTRthanks
8488     \let \RTLfootnote \RTLthanks
8489     {\LARGE \@title \par}%
8490     \vskip 1.5em%
8491     {\large

```



```

8492     \lineskip .5em%
8493     \begin{tabular}[t]{c}%
8494         \@author
8495     \end{tabular}\par}%
8496     \vskip 1em%
8497     {\large \@date}%
8498 \end{center}%
8499 \par
8500 \vskip 1.5em}
8501 \fi
8502 \renewcommand*\l@part[2]{%
8503     \ifnum \c@tocdepth >-2\relax
8504         \addpenalty{-\@highpenalty}%
8505         \addvspace{2.25em \@plus\p@}%
8506         \begingroup
8507             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8508             \parfillskip -\@pnumwidth
8509             {\leavevmode
8510                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8511             \nobreak
8512             \global\@nobreaktrue
8513             \everypar{\global\@nobreakfalse\everypar{}}%
8514         \endgroup
8515     \fi}
8516 \renewcommand\theequation
8517     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
8518 \renewcommand \thefigure
8519     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8520 \renewcommand \thetable
8521     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
8522 \renewcommand \thechapter {\@arabic\c@chapter}
8523 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
8524 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8525 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
8526 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8527 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8528 \def\@makechapterhead#1{%
8529     \vspace*{50\p@}%
8530     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8531         \ifnum \c@secnumdepth >\m@ne
8532             \if@mainmatter
8533                 \huge\bfseries \@chapapp\space \thechapter
8534                 \par\nobreak
8535                 \vskip 20\p@
8536             \fi
8537         \fi
8538         \interlinepenalty\@M
8539         \Huge \bfseries #1\par\nobreak
8540         \vskip 40\p@
8541     }}

```



```

8542
8543 \def\@makeschapterhead#1{%
8544   \vspace*{50\p@}%
8545   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8546     \normalfont
8547     \interlinepenalty\@M
8548     \Huge \bfseries #1\par\nobreak
8549     \vskip 40\p@
8550   }}
8551 \renewcommand\backmatter{%
8552   \if@openright
8553     \cleardoublepage
8554   \else
8555     \clearpage
8556   \fi
8557   \@mainmatterfalse}
8558 \renewenvironment{thebibliography}[1]
8559   {\chapter*{\bibname
8560     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8561     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8562     \bidi@@thebibliography@font@hook%
8563     \list{\@biblabel{\@arabic\c@enumiv}}%
8564       {\settowidth\labelwidth{\@biblabel{#1}}%
8565         \leftmargin\labelwidth
8566         \advance\leftmargin\labelsep
8567         \@openbib@code
8568         \usecounter{enumiv}%
8569         \let\p@enumiv\@empty
8570         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8571     \sloppy
8572     \clubpenalty4000
8573     \@clubpenalty \clubpenalty
8574     \widowpenalty4000%
8575     \sfcode`\.\@m}
8576   {\def\@noitemerr
8577     {\@latex@warning{Empty `thebibliography' environment}}%
8578     \endlist}

```

## 53 File extletter-xetex-bidi.def

```

8579 \ProvidesFile{extletter-xetex-bidi.def}[2015/11/14 v0.2 bidi adaptations for extletter class]
8580 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
8581   \thispagestyle{firstpage}%
8582   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
8583 \else % home address
8584   \thispagestyle{empty}%
8585   {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
8586     \fromaddress \*[2\parskip]%
8587     \@date \end{tabular}\par}%
8588 \fi

```



```

8589 \vspace{2\parskip}%
8590 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
8591 \vspace{2\parskip}%
8592 #1\par\nobreak}
8593 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
8594 \stopbreaks
8595 \noindent
8596 \ifx\@empty\fromaddress\else
8597 \hspace*{\longindentation}\fi
8598 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
8599 \ignorespaces #1\ \[6\medskipamount]%
8600 \ifx\@empty\fromsig
8601 \fromname
8602 \else \fromsig \fi\strut}%
8603 \par}
8604 \renewcommand\left@footnoterule{%
8605 \kern-\p@
8606 \hrule \@width .4\columnwidth
8607 \kern .6\p@}
8608 \renewcommand\right@footnoterule{%
8609 \kern-\p@
8610 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
8611 \kern .6\p@}

```

## 54 File extrafootnotefeatures-xetex-bidi.def

```

8612 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2017/05/19 v1.1 bidi extra footnote featur
8613 \newcommand*{\@bidi@before@Hy@hyperfootnotes}{%
8614 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8615 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8616 \ifHy@hyperfootnotes
8617 \let\@H@footnotetext\@footnotetext
8618 \let\@HLTR@LTRfootnotetext\@LTRfootnotetext
8619 \let\@HRTL@RTLfootnotetext\@RTLfootnotetext
8620 \let\@H@mpfootnotetext\@mpfootnotetext
8621 \let\@HLTR@mpLTRfootnotetext\@mpLTRfootnotetext
8622 \let\@HRTL@mpRTLfootnotetext\@mpRTLfootnotetext
8623 \fi
8624 }%
8625 }%
8626 }
8627 \newcommand*{\@bidi@after@Hy@hyperfootnotes}{%
8628 \if@bidi@csundef{ifHy@hyperfootnotes}{}{%
8629 \if@bidi@csundef{HLTR@LTRfootnotetext}{}{%
8630 \ifHy@hyperfootnotes
8631 \let\H@footnotetext\@footnotetext
8632 \let\@footnotetext\@H@footnotetext
8633 \let\HLTR@LTRfootnotetext\@LTRfootnotetext
8634 \let\@LTRfootnotetext\@HLTR@LTRfootnotetext
8635 \let\HRTL@RTLfootnotetext\@RTLfootnotetext

```



```

8636 \let\@RTLfootnotetext\@HRTL\@RTLfootnotetext
8637 \let\H\@mpfootnotetext\@mpfootnotetext
8638 \let\@mpfootnotetext\@H\@mpfootnotetext
8639 \let\HLTR\@mpLTRfootnotetext\@mpLTRfootnotetext
8640 \let\@mpLTRfootnotetext\@H\@mpLTRfootnotetext
8641 \let\HRTL\@mpRTLfootnotetext\@mpRTLfootnotetext
8642 \let\@mpRTLfootnotetext\@HRTL\@mpRTLfootnotetext
8643 \fi
8644 }%
8645 }%
8646 }
8647 \let\autofooterule\relax
8648 \let\rightfootnoterule\relax
8649 \let\leftfootnoterule\relax
8650 \let\textwidthfootnoterule\relax
8651 \let\LRfootnoterule\relax
8652 \def\footnoterule{\kern-3\p@
8653 \hrule \@width \columnwidth \kern 2.6\p@}
8654 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
8655 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
8656 \renewcommand{\@footnotetext}[1]{%
8657 \insert\footins{%
8658 \ifRTL\footnote\@RTLtrue\else\@RTLfalse\fi%
8659 \def\baselinestretch{\m@m@footnote@spacing}%
8660 \reset@font
8661 \foottextfont
8662 \@preamfntext
8663 \hsize\columnwidth
8664 \protected@edef\@currentlabel{%
8665 \csname p@footnote\endcsname\@thefnmark}%
8666 \color@begingroup
8667 \@makefntext{%
8668 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8669 \@finalstrut\strutbox}%
8670 \color@endgroup}%
8671 \m@m@mmf@prepare}
8672 \renewcommand{\@RTLfootnotetext}[1]{%
8673 \insert\footins{%
8674 \@RTLtrue%
8675 \def\baselinestretch{\m@m@footnote@spacing}%
8676 \reset@font
8677 \RTLfoottextfont
8678 \@preamfntext
8679 \hsize\columnwidth
8680 \protected@edef\@currentlabel{%
8681 \csname p@footnote\endcsname\@thefnmark}%
8682 \color@begingroup
8683 \@makefntext{%
8684 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8685 \@finalstrut\strutbox}%

```



```

8686 \color@endgroup}%
8687 \m@mmf@prepare}
8688 \renewcommand{\@LTRfootnotetext}[1]{%
8689 \insert\footins{%
8690 \@RTLfalse%
8691 \def\baselinestretch{\m@m@footnote@spacing}%
8692 \reset@font
8693 \LTRfoottextfont
8694 \@preamfntext
8695 \hsize\columnwidth
8696 \protected@edef\@currentlabel{%
8697 \csname p@footnote\endcsname\@thefnmark}%
8698 \color@begingroup
8699 \@makefntext{%
8700 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8701 \@finalstrut\strutbox}%
8702 \color@endgroup}%
8703 \m@mmf@prepare}
8704 \renewcommand{\@mpfootnotetext}[1]{%
8705 \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8706 \unvbox\@mpfootins
8707 \def\baselinestretch{\m@m@footnote@spacing}%
8708 \foottextfont \hsize\columnwidth \@parboxrestore
8709 \protected@edef\@currentlabel{%
8710 \csname p@mpfootnote\endcsname\@thefnmark}%
8711 \color@begingroup
8712 \reset@font%
8713 \@makefntext{%
8714 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
8715 \@finalstrut\strutbox}%
8716 \color@endgroup}}
8717 \renewcommand{\@mpLTRfootnotetext}[1]{%
8718 \global\setbox\@mpfootins\vbox{\@RTLfalse%
8719 \unvbox\@mpfootins
8720 \def\baselinestretch{\m@m@footnote@spacing}%
8721 \LTRfoottextfont \hsize\columnwidth \@parboxrestore
8722 \protected@edef\@currentlabel{%
8723 \csname p@mpfootnote\endcsname\@thefnmark}%
8724 \color@begingroup
8725 \reset@font%
8726 \@makefntext{%
8727 \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
8728 \@finalstrut\strutbox}%
8729 \color@endgroup}}
8730 \renewcommand{\@mpRTLfootnotetext}[1]{%
8731 \global\setbox\@mpfootins\vbox{\@RTLtrue%
8732 \unvbox\@mpfootins
8733 \def\baselinestretch{\m@m@footnote@spacing}%
8734 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
8735 \protected@edef\@currentlabel{%

```



```

8736      \csname p@mpfootnote\endcsname\@thefnmark}%
8737      \color@begingroup
8738      \reset@font%
8739      \@makefnfntext{%
8740          \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
8741          \@finalstrut\strutbox}%
8742      \color@endgroup}}
8743 \let\m@mold@footnotetext\@footnotetext
8744 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
8745 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
8746 \let\m@mold@mpfootnotetext\@mpfootnotetext
8747 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
8748 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
8749 \bidi@ensure@newcommand{\normalfootnotes}{%
8750     \@bidi@before@Hy@hyperfootnotes
8751     \let\@footnotetext\m@mold@footnotetext
8752     \let\@LTRfootnotetext\m@mold@LTRfootnotetext
8753     \let\@RTLfootnotetext\m@mold@RTLfootnotetext
8754     \let\@mpfootnotetext\m@mold@mpfootnotetext
8755     \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
8756     \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext
8757     \@bidi@after@Hy@hyperfootnotes}
8758 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
8759 \bidi@ensure@newcommand*\{RTLcolumnfootnotes\}{\@RTLcolumnfootnotestruer}
8760 \bidi@ensure@newcommand*\{LTRcolumnfootnotes\}{\@RTLcolumnfootnotesfalse}
8761 \bidi@ensure@newcommand*\{setSingleSpace\}[1]{%
8762     \def\m@m@singlespace{#1}%
8763     \def\m@m@footnote@spacing{#1}%
8764     \def\m@m@float@spacing{#1} %
8765 }
8766 \setSingleSpace{1}
8767 \bidi@ensure@newcommand*\{multiplefootnotemarker\}{3sp}
8768 \bidi@ensure@newcommand*\{m@m@mmf@prepare\}{%
8769     \kern-\multiplefootnotemarker
8770     \kern\multiplefootnotemarker\relax}
8771 \bidi@ensure@newlength{\footmarkwidth}
8772 \bidi@ensure@newlength{\footmarksep}
8773 \bidi@ensure@newlength{\footparindent}
8774 \bidi@ensure@newcommand*\{footmarkstyle\}[1]{\def\footscript##1{#1}}
8775 \bidi@ensure@newcommand*\{LTRfootmarkstyle\}[1]{\def\LTRfootscript##1{#1}}
8776 \bidi@ensure@newcommand*\{RTLfootmarkstyle\}[1]{\def\RTLfootscript##1{#1}}
8777 \bidi@ensure@newcommand{\footfootmark}{%
8778     \ifdim\footmarkwidth < \z@
8779         \llap{\hb@xt@ -\footmarkwidth{%
8780             \hss\normalfont\footscript{\@thefnmark}}}%
8781         \hspace*{-\footmarkwidth}}%
8782     \else
8783         \ifdim\footmarkwidth = \z@
8784             {\normalfont\footscript{\@thefnmark}}%
8785         \else

```



```

8786 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%
8787 \fi
8788 \fi}
8789 \bidi@ensure@newcommand{\LTRfootfootmark}{%
8790 \ifdim\footmarkwidth < \z@
8791 \llap{\hb@xt@-\footmarkwidth{%
8792 \hss\normalfont\LTRfootscript{\@thefnmark}}%
8793 \hspace*{-\footmarkwidth}}%
8794 \else
8795 \ifdim\footmarkwidth = \z@
8796 {\normalfont\LTRfootscript{\@thefnmark}}%
8797 \else
8798 \hb@xt@\footmarkwidth{\hss\normalfont\LTRfootscript{\@thefnmark}}%
8799 \fi
8800 \fi}
8801 \bidi@ensure@newcommand{\RTLfootfootmark}{%
8802 \ifdim\footmarkwidth < \z@
8803 \llap{\hb@xt@-\footmarkwidth{%
8804 \hss\normalfont\RTLfootscript{\@thefnmark}}%
8805 \hspace*{-\footmarkwidth}}%
8806 \else
8807 \ifdim\footmarkwidth = \z@
8808 {\normalfont\RTLfootscript{\@thefnmark}}%
8809 \else
8810 \hb@xt@\footmarkwidth{\hss\normalfont\RTLfootscript{\@thefnmark}}%
8811 \fi
8812 \fi}
8813 \footmarkstyle{\textsuperscript{#1}}
8814 \LTRfootmarkstyle{\textsuperscript{#1}}
8815 \RTLfootmarkstyle{\textsuperscript{#1}}
8816 \setlength{\footmarkwidth}{1em plus.4em minus.4em}
8817 \setlength{\footparindent}{1em}
8818 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
8819 \bidi@ensure@newcommand*{\extrafeetins}{%
8820 \setbox\@outputbox \vbox{%
8821 \boxmaxdepth \@maxdepth
8822 \unvbox\@outputbox
8823 \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
8824 \extrafeetinshook}}
8825 \bidi@ensure@newcommand{\extrafeetinshook}{%
8826 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
8827 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
8828 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
8829 \bidi@ensure@newlength{\footinsdim}
8830 \setlength{\footinsdim}{8in} % standard for \dimen\footins
8831 \bidi@ensure@newcommand{\@preamfntext}{%
8832 \interlinepenalty\interfootnotelinepenalty
8833 \floatingpenalty \@MM
8834 \splittopskip=\footnotesep
8835 \splitmaxdepth=\dp\strutbox

```





```

8836 \@parboxrestore}
8837 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
8838   \extrafeetminihook}
8839 \bidi@ensure@newcommand{\extrafeetendmini}{%
8840   \ifvoid\@mpfootinsv\else
8841     \vskip\skip\@mpfootins
8842     \normalcolor\footnoterule\mp@footgroupv@r
8843   \fi
8844   \extrafeetendminihook}
8845 \bidi@ensure@newcommand{\extrafeetendminihook}{%}
8846 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
8847 \def\endminipage{%
8848   \par
8849   \unskip
8850   \ifvoid\@mpfootins\else
8851     \vskip\skip\@mpfootins
8852     \normalcolor
8853     \footnoterule
8854     \unvbox\@mpfootins
8855   \fi
8856   \m@mdoextrafeetendmini
8857   \@minipagefalse
8858   \color@endgroup
8859   \egroup
8860   \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
8861 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
8862   \@namedef{footstart#1}{%
8863     \bidi@mopfn@bottom
8864     \vskip\bigskipamount
8865     \leftskip=\z@
8866     \rightskip=\z@
8867     \footnoterule}}
8868 \newinsert\footinsv@r
8869 \skip\footinsv@r\bigskipamount
8870 \count\footinsv@r=1000 % no magnification
8871 \dimen\footinsv@r=\footinsdim
8872 \m@make@footstart{v@r}
8873 \bidi@ensure@newcommand{\@footgroupv@r}{%}
8874 \newinsert\@mpfootinsv@r
8875 \bidi@ensure@newcommand{\mp@footgroupv@r}{%}
8876 \newcount\m@m@k \newdimen\m@m@h
8877 \@ifpackageloaded{multicol}{%
8878   \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8879     \hsize\textwidth
8880     \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8881       \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
8882 }{%
8883   \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
8884     \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
8885       \valign{##\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}

```



```

8886 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
8887 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
8888 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
8889 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
8890 \setbox2 \vsplit0 to \dimen0
8891 \unvbox2 }
8892 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
8893 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8894 \@bidi@before@Hy@hyperfootnotes
8895 \let\@footnotetext\@twocolfootnotetext
8896 \let\@LTRfootnotetext\@twocolLTRfootnotetext
8897 \let\@RTLfootnotetext\@twocolRTLfootnotetext
8898 \dimen\footinsv@r=2\footinsdim
8899 \count\footinsv@r=500\relax
8900 \m@make@twocol@footgroup{v@r}%
8901 \let\@footgroupv@r\@twocol@footgroupv@r
8902 \let\@mpfootnotetext\@mptwocolfootnotetext
8903 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
8904 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
8905 \@bidi@after@Hy@hyperfootnotes
8906 \m@make@mptwocol@footgroup{v@r}%
8907 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
8908 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8909 \def\baselinestretch{\m@m@footnote@spacing}%
8910 \reset@font\foottextfont
8911 \@preamfntext
8912 \protected@edef\@currentlabel{%
8913 \csname p@footnote\endcsname\@thefnmark}%
8914 \color@begingroup
8915 \@twocolfootfmt{#1}%
8916 \color@endgroup}%
8917 \m@m@mmf@prepare}
8918 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8919 \def\baselinestretch{\m@m@footnote@spacing}%
8920 \reset@font\LTRfoottextfont
8921 \@preamfntext
8922 \protected@edef\@currentlabel{%
8923 \csname p@footnote\endcsname\@thefnmark}%
8924 \color@begingroup
8925 \@twocolLTRfootfmt{#1}%
8926 \color@endgroup}%
8927 \m@m@mmf@prepare}
8928 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8929 \def\baselinestretch{\m@m@footnote@spacing}%
8930 \reset@font\RTLfoottextfont
8931 \@preamfntext
8932 \protected@edef\@currentlabel{%
8933 \csname p@footnote\endcsname\@thefnmark}%
8934 \color@begingroup
8935 \@twocolRTLfootfmt{#1}%

```



```

8936 \color@endgroup}%
8937 \m@mmf@prepare}
8938 \bidi@ensure@newcommand{\@preamtwofmt}{%
8939 \hspace .45\hspace
8940 \parindent=\z@
8941 \tolerance=5000\relax
8942 \leavevmode}
8943 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
8944 \@preamtwofmt
8945 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8946 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
8947 \@preamtwofmt
8948 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8949 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
8950 \@preamtwofmt
8951 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8952 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
8953 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8954 \unvbox\@mpfootinsv@r
8955 \def\baselinestretch{\m@m@footnote@spacing}%
8956 \reset@font\foottextfont
8957 \hspace\columnwidth \@parboxrestore
8958 \protected@edef\@currentlabel{%
8959 \csname p@mpfootnote\endcsname\@thefnmark}%
8960 \color@begingroup
8961 \@twocolfootfmt{#1}%
8962 \color@endgroup}%
8963 \m@mmf@prepare}
8964 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
8965 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8966 \unvbox\@mpfootinsv@r
8967 \def\baselinestretch{\m@m@footnote@spacing}%
8968 \reset@font\LTRfoottextfont
8969 \hspace\columnwidth \@parboxrestore
8970 \if@RTLcolumnfootnotes\beginL\fi
8971 \protected@edef\@currentlabel{%
8972 \csname p@mpfootnote\endcsname\@thefnmark}%
8973 \color@begingroup
8974 \@twocolLTRfootfmt{#1}%
8975 \color@endgroup}%
8976 \m@mmf@prepare}
8977 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
8978 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8979 \unvbox\@mpfootinsv@r
8980 \def\baselinestretch{\m@m@footnote@spacing}%
8981 \reset@font\RTLfoottextfont
8982 \hspace\columnwidth \@parboxrestore
8983 \protected@edef\@currentlabel{%
8984 \csname p@mpfootnote\endcsname\@thefnmark}%
8985 \color@begingroup

```



```

8986 \twocolRTLfootfmt{#1}%
8987 \color@endgroup}%
8988 \m@mmf@prepare}
8989 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
8990 \m@make@twocolfootnotetext{#1}%
8991 \m@make@mp@twocolfootnotetext{#1}%
8992 \m@make@twocolfootfmt{#1}%
8993 \m@make@twocol@footgroup{#1}%
8994 \m@make@mp@twocol@footgroup{#1}%
8995 \m@make@footstart{#1}%
8996 \bidi@namelongdef{@footnotetext#1}##1{%
8997 \@nameuse{@twocolfootnotetext#1}{##1}}%
8998 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8999 \@nameuse{@mp@twocolfootnotetext#1}{##1}}%
9000 \@namedef{@footgroup#1}{\@nameuse{@twocol@footgroup#1}}%
9001 \@namedef{@mp@footgroup#1}{\@nameuse{@mp@twocol@footgroup#1}}%
9002 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9003 \expandafter\count\csname footins#1\endcsname=500\relax}
9004 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
9005 \bidi@namelongdef{@twocolfootnotetext#1}##1{%
9006 \insert\@nameuse{footins#1}{%
9007 \def\baselinestretch{\m@m@footnote@spacing}%
9008 \reset@font\@nameuse{foottextfont#1}%
9009 \preamfntext
9010 \protected@edef\@currentlabel{%
9011 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9012 \color@begingroup
9013 \@nameuse{@twocolfootfmt#1}{##1}%
9014 \color@endgroup}%
9015 \m@mmf@prepare}}
9016 \bidi@ensure@newcommand{\m@make@mp@twocolfootnotetext}[1]{%
9017 \bidi@namelongdef{@mp@twocolfootnotetext#1}##1{%
9018 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9019 \unvbox\@nameuse{@mpfootins#1}
9020 \def\baselinestretch{\m@m@footnote@spacing}%
9021 \reset@font\@nameuse{foottextfont#1}%
9022 \hsize\columnwidth \@parboxrestore
9023 \protected@edef\@currentlabel{%
9024 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9025 \color@begingroup
9026 \@nameuse{@twocolfootfmt#1}{##1}%
9027 \color@endgroup}\m@mmf@prepare}}
9028 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
9029 \@namedef{@twocolfootfmt#1}##1{%
9030 \preamtwofmt
9031 {\@nameuse{footfootmark#1}\strut
9032 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9033 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
9034 \@namedef{@twocol@footgroup#1}{%
9035 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9036 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9037 \m@mrigidbalance{\nameuse{footins#1}}{\tw@}{\splittopskip}}}}
9038 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
9039 \namedef{@mptwocol@footgroup#1}{%
9040 \def\baselinestretch{\m@footnote@spacing}%
9041 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9042 \m@mrigidbalance{\nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
9043 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
9044 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9045 \@bidi@before@Hy@hyperfootnotes
9046 \let\@footnotetext\@threecolfootnotetext
9047 \let\@LTRfootnotetext\@threecolLTRfootnotetext
9048 \let\@RTLfootnotetext\@threecolRTLfootnotetext
9049 \dimen\footinsv@r=3\footinsdim
9050 \count\footinsv@r=333\relax
9051 \m@make@threecol@footgroup{v@r}%
9052 \let\@footgroupv@r\@threecol@footgroupv@r
9053 \let\@mpfootnotetext\@mpthreecolfootnotetext
9054 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
9055 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
9056 \@bidi@after@Hy@hyperfootnotes
9057 \m@make@mpthreecol@footgroup{v@r}%
9058 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
9059 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9060 \def\baselinestretch{\m@footnote@spacing}%
9061 \reset@font\foottextfont
9062 \@preamfntext
9063 \protected@edef\@currentlabel{%
9064 \csname p@footnote\endcsname\@thefnmark}%
9065 \color@begingroup
9066 \@threecolfootfmt{#1}%
9067 \color@endgroup}\m@mmf@prepare}
9068 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9069 \def\baselinestretch{\m@footnote@spacing}%
9070 \reset@font\LTRfoottextfont
9071 \@preamfntext
9072 \protected@edef\@currentlabel{%
9073 \csname p@footnote\endcsname\@thefnmark}%
9074 \color@begingroup
9075 \@threecolLTRfootfmt{#1}%
9076 \color@endgroup}\m@mmf@prepare}
9077 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9078 \def\baselinestretch{\m@footnote@spacing}%
9079 \reset@font\RTLfoottextfont
9080 \@preamfntext
9081 \protected@edef\@currentlabel{%
9082 \csname p@footnote\endcsname\@thefnmark}%
9083 \color@begingroup
9084 \@threecolRTLfootfmt{#1}%
9085 \color@endgroup}\m@mmf@prepare}

```



```

9086 \bidi@ensure@newcommand{\@preamthreefmt}{%
9087   \hsize .3\hsize
9088   \parindent=\z@
9089   \tolerance=5000\relax
9090   \leavevmode}
9091 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
9092   \@preamthreefmt
9093   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9094 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
9095   \@preamthreefmt
9096   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9097 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
9098   \@preamthreefmt
9099   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9100 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
9101   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9102     \unvbox\@mpfootinsv@r
9103     \def\baselinestretch{\m@m@footnote@spacing}%
9104     \reset@font\foottextfont
9105     \hsize\columnwidth \@parboxrestore
9106     \protected@edef\@currentlabel{%
9107       \csname p@mpfootnote\endcsname\@thefnmark}%
9108     \color@begingroup
9109       \@threecolfootfmt{#1}%
9110     \color@endgroup}\m@mmf@prepare}
9111 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
9112   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9113     \unvbox\@mpfootinsv@r
9114     \def\baselinestretch{\m@m@footnote@spacing}%
9115     \reset@font\LTRfoottextfont
9116     \hsize\columnwidth \@parboxrestore
9117     \if@RTLcolumnfootnotes\beginL\fi
9118     \protected@edef\@currentlabel{%
9119       \csname p@mpfootnote\endcsname\@thefnmark}%
9120     \color@begingroup
9121       \@threecolLTRfootfmt{#1}%
9122     \color@endgroup}\m@mmf@prepare}
9123 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
9124   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9125     \unvbox\@mpfootinsv@r
9126     \def\baselinestretch{\m@m@footnote@spacing}%
9127     \reset@font\RTLfoottextfont
9128     \hsize\columnwidth \@parboxrestore
9129     \protected@edef\@currentlabel{%
9130       \csname p@mpfootnote\endcsname\@thefnmark}%
9131     \color@begingroup
9132       \@threecolRTLfootfmt{#1}%
9133     \color@endgroup}\m@mmf@prepare}
9134 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
9135   \m@make@threecolfootnotetext{#1}%

```



```

9136 \m@make@mpthreecolfootnotetext{#1}%
9137 \m@make@threecolfootfmt{#1}%
9138 \m@make@threecol@footgroup{#1}%
9139 \m@make@mpthreecol@footgroup{#1}%
9140 \m@make@footstart{#1}%
9141 \bidi@namelongdef{@footnotetext#1}##1{%
9142   \@nameuse{@threecolfootnotetext#1}{##1}}%
9143 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9144   \@nameuse{@mpthreecolfootnotetext#1}{##1}}%
9145 \@namedef{@footgroup#1}{\@nameuse{@threecol@footgroup#1}}%
9146 \@namedef{@mpfootgroup#1}{\@nameuse{@mpthreecol@footgroup#1}}%
9147 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
9148 \expandafter\count\csname footins#1\endcsname=333\relax}
9149 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
9150 \bidi@namelongdef{@threecolfootnotetext#1}##1{%
9151   \insert\@nameuse{footins#1}{%
9152     \def\baselinestretch{\m@m@footnote@spacing}%
9153     \reset@font\@nameuse{foottextfont#1}%
9154     \@preamfntext
9155     \protected@edef\@currentlabel{%
9156       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9157     \color@begingroup
9158       \@nameuse{@threecolfootfmt#1}{##1}%
9159     \color@endgroup}\m@m@mmf@prepare}}
9160 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
9161 \bidi@namelongdef{@mpthreecolfootnotetext#1}##1{%
9162   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9163     \unvbox\@nameuse{@mpfootins#1}
9164     \def\baselinestretch{\m@m@footnote@spacing}%
9165     \reset@font\@nameuse{foottextfont#1}%
9166     \hsize\columnwidth \@parboxrestore
9167     \protected@edef\@currentlabel{%
9168       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9169     \color@begingroup
9170       \@nameuse{@threecolfootfmt#1}{##1}%
9171     \color@endgroup}\m@m@mmf@prepare}}
9172 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
9173 \bidi@namelongdef{@threecolfootfmt#1}##1{%
9174   \@preamthreefmt
9175   {\@nameuse{footfootmark#1}}\strut
9176   {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9177 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
9178 \@namedef{@threecol@footgroup#1}{%
9179   \def\baselinestretch{\m@m@footnote@spacing}%
9180   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9181   \m@m@rigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
9182 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
9183 \@namedef{@mpthreecol@footgroup#1}{%
9184   \def\baselinestretch{\m@m@footnote@spacing}%
9185   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

9186 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{\thr@@}{\splittopskip}}}}
9187 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
9188 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9189 \@bidi@before@Hy@hyperfootnotes
9190 \let\@footnotetext\@fourcolfootnotetext
9191 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
9192 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
9193 \dimen\footinsv@r=4\footinsdim
9194 \count\footinsv@r=250\relax
9195 \m@make@fourcol@footgroup{v@r}%
9196 \let\@footgroupv@r\@fourcol@footgroupv@r
9197 \let\@mpfootnotetext\@mpfourcolfootnotetext
9198 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
9199 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
9200 \@bidi@after@Hy@hyperfootnotes
9201 \m@make@mpfourcol@footgroup{v@r}%
9202 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r
9203 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9204 \def\baselinestretch{\m@m@footnote@spacing}%
9205 \reset@font\foottextfont
9206 \@preamfntext
9207 \protected@edef\@currentlabel{%
9208 \csname p@footnote\endcsname\@thefnmark}%
9209 \color@begingroup
9210 \@fourcolfootfmt{#1}%
9211 \color@endgroup}%
9212 \m@mmf@prepare}
9213 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9214 \def\baselinestretch{\m@m@footnote@spacing}%
9215 \reset@font\LTRfoottextfont
9216 \@preamfntext
9217 \protected@edef\@currentlabel{%
9218 \csname p@footnote\endcsname\@thefnmark}%
9219 \color@begingroup
9220 \@fourcolLTRfootfmt{#1}%
9221 \color@endgroup}%
9222 \m@mmf@prepare}
9223 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9224 \def\baselinestretch{\m@m@footnote@spacing}%
9225 \reset@font\RTLfoottextfont
9226 \@preamfntext
9227 \protected@edef\@currentlabel{%
9228 \csname p@footnote\endcsname\@thefnmark}%
9229 \color@begingroup
9230 \@fourcolRTLfootfmt{#1}%
9231 \color@endgroup}%
9232 \m@mmf@prepare}
9233 \bidi@ensure@newcommand{\@preamfourfmt}{%
9234 \hspace{.25\hspace}
9235 \parindent=\z@

```





```

9236 \tolerance=5000\relax
9237 \leavevmode}
9238 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
9239 \@preamfourfmt
9240 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9241 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
9242 \@preamfourfmt
9243 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9244 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
9245 \@preamfourfmt
9246 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9247 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
9248 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9249 \unvbox\@mpfootinsv@r
9250 \def\baselinestretch{\m@m@footnote@spacing}%
9251 \reset@font\foottextfont
9252 \hsize\columnwidth \@parboxrestore
9253 \protected@edef\@currentlabel{%
9254 \csname p@mpfootnote\endcsname\@thefnmark}%
9255 \color@begingroup
9256 \@fourcolfootfmt{#1}%
9257 \color@endgroup}%
9258 \m@m@mmf@prepare}
9259 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
9260 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9261 \unvbox\@mpfootinsv@r
9262 \def\baselinestretch{\m@m@footnote@spacing}%
9263 \reset@font\LTRfoottextfont
9264 \hsize\columnwidth \@parboxrestore
9265 \if@RTLcolumnfootnotes\beginL\fi
9266 \protected@edef\@currentlabel{%
9267 \csname p@mpfootnote\endcsname\@thefnmark}%
9268 \color@begingroup
9269 \@fourcolLTRfootfmt{#1}%
9270 \color@endgroup}%
9271 \m@m@mmf@prepare}
9272 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
9273 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9274 \unvbox\@mpfootinsv@r
9275 \def\baselinestretch{\m@m@footnote@spacing}%
9276 \reset@font\RTLfoottextfont
9277 \hsize\columnwidth \@parboxrestore
9278 \protected@edef\@currentlabel{%
9279 \csname p@mpfootnote\endcsname\@thefnmark}%
9280 \color@begingroup
9281 \@fourcolRTLfootfmt{#1}%
9282 \color@endgroup}%
9283 \m@m@mmf@prepare}
9284 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
9285 \m@make@fourcolfootnotetext{#1}%

```



```

9286 \m@make@mpfourcolfootnotetext{#1}%
9287 \m@make@fourcolfootfmt{#1}%
9288 \m@make@fourcol@footgroup{#1}%
9289 \m@make@mpfourcol@footgroup{#1}%
9290 \m@make@footstart{#1}%
9291 \bidi@namelongdef{@footnotetext#1}##1{%
9292   \@nameuse{@fourcolfootnotetext#1}{##1}}%
9293 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9294   \@nameuse{@mpfourcolfootnotetext#1}{##1}}%
9295 \@namedef{@footgroup#1}{\@nameuse{@fourcol@footgroup#1}}%
9296 \@namedef{@mpfootgroup#1}{\@nameuse{@mpfourcol@footgroup#1}}%
9297 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9298 \expandafter\count\csname footins#1\endcsname=500\relax}
9299 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
9300 \bidi@namelongdef{@fourcolfootnotetext#1}##1{%
9301   \insert\@nameuse{footins#1}{%
9302     \def\baselinestretch{\m@m@footnote@spacing}%
9303     \reset@font\@nameuse{foottextfont#1}%
9304     \@preamfntext
9305     \protected@edef\@currentlabel{%
9306       \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9307     \color@begingroup
9308       \@nameuse{@fourcolfootfmt#1}{##1}%
9309     \color@endgroup}%
9310   \m@mmf@prepare}}
9311 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
9312 \bidi@namelongdef{@mpfourcolfootnotetext#1}##1{%
9313   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9314     \unvbox\@nameuse{@mpfootins#1}
9315     \def\baselinestretch{\m@m@footnote@spacing}%
9316     \reset@font\@nameuse{foottextfont#1}%
9317     \hsize\columnwidth \@parboxrestore
9318     \protected@edef\@currentlabel{%
9319       \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9320     \color@begingroup
9321       \@nameuse{@fourcolfootfmt#1}{##1}%
9322     \color@endgroup}\m@mmf@prepare}}
9323 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%
9324   \@namedef{@fourcolfootfmt#1}##1{%
9325     \@preamfourfmt
9326     {\@nameuse{footfootmark#1}\strut
9327       {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9328 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
9329   \@namedef{@fourcol@footgroup#1}{%
9330     \def\baselinestretch{\m@m@footnote@spacing}%
9331     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9332     \m@mrigidbalance{\@nameuse{footins#1}}{4}{\splittopskip}}}%
9333 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
9334   \@namedef{@mpfourcol@footgroup#1}{%
9335     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

9336 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9337 \m@mrigidbalance{\nameuse{@mpfootins#1}}{4}{\splittopskip}}}}
9338 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
9339 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
9340 \@bidi@before@Hy@hyperfootnotes
9341 \let\@footnotetext\@fivecolfootnotetext
9342 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
9343 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
9344 \dimen\footinsv@r=5\footinsdim
9345 \count\footinsv@r=200\relax
9346 \m@make@fivecol@footgroup{v@r}%
9347 \let\@footgroupv@r\@fivecol@footgroupv@r
9348 \let\@mpfootnotetext\@mpfivecolfootnotetext
9349 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
9350 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
9351 \@bidi@after@Hy@hyperfootnotes
9352 \m@make@mpfivecol@footgroup{v@r}%
9353 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r
9354 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9355 \def\baselinestretch{\m@m@footnote@spacing}%
9356 \reset@font\foottextfont
9357 \@preamfntext
9358 \protected@edef\@currentlabel{%
9359 \csname p@footnote\endcsname\@thefnmark}%
9360 \color@begingroup
9361 \@fivecolfootfmt{#1}%
9362 \color@endgroup}%
9363 \m@mmf@prepare}
9364 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9365 \def\baselinestretch{\m@m@footnote@spacing}%
9366 \reset@font\LTRfoottextfont
9367 \@preamfntext
9368 \protected@edef\@currentlabel{%
9369 \csname p@footnote\endcsname\@thefnmark}%
9370 \color@begingroup
9371 \@fivecolLTRfootfmt{#1}%
9372 \color@endgroup}%
9373 \m@mmf@prepare}
9374 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9375 \def\baselinestretch{\m@m@footnote@spacing}%
9376 \reset@font\RTLfoottextfont
9377 \@preamfntext
9378 \protected@edef\@currentlabel{%
9379 \csname p@footnote\endcsname\@thefnmark}%
9380 \color@begingroup
9381 \@fivecolRTLfootfmt{#1}%
9382 \color@endgroup}%
9383 \m@mmf@prepare}
9384 \bidi@ensure@newcommand{\@preamfivefmt}{%
9385 \hspace{.2\hspace}

```



```

9386 \parindent=\z@
9387 \tolerance=5000\relax
9388 \leavevmode}
9389 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
9390 \@preamfivefmt
9391 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9392 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
9393 \@preamfivefmt
9394 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9395 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
9396 \@preamfivefmt
9397 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9398 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
9399 \global\setbox\@mpfootinsv\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9400 \unvbox\@mpfootinsv\@r
9401 \def\baselinestretch{\m@m@footnote@spacing}%
9402 \reset@font\foottextfont
9403 \hsize\columnwidth \@parboxrestore
9404 \protected@edef\@currentlabel{%
9405 \csname p@mpfootnote\endcsname\@thefnmark}%
9406 \color@begingroup
9407 \@fivecolfootfmt{#1}%
9408 \color@endgroup}%
9409 \m@m@mmf@prepare}
9410 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
9411 \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
9412 \unvbox\@mpfootinsv\@r
9413 \def\baselinestretch{\m@m@footnote@spacing}%
9414 \reset@font\LTRfoottextfont
9415 \hsize\columnwidth \@parboxrestore
9416 \if@RTLcolumnfootnotes\beginL\fi
9417 \protected@edef\@currentlabel{%
9418 \csname p@mpfootnote\endcsname\@thefnmark}%
9419 \color@begingroup
9420 \@fivecolLTRfootfmt{#1}%
9421 \color@endgroup}%
9422 \m@m@mmf@prepare}
9423 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
9424 \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
9425 \unvbox\@mpfootinsv\@r
9426 \def\baselinestretch{\m@m@footnote@spacing}%
9427 \reset@font\RTLfoottextfont
9428 \hsize\columnwidth \@parboxrestore
9429 \protected@edef\@currentlabel{%
9430 \csname p@mpfootnote\endcsname\@thefnmark}%
9431 \color@begingroup
9432 \@fivecolRTLfootfmt{#1}%
9433 \color@endgroup}%
9434 \m@m@mmf@prepare}
9435 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%

```



```

9436 \m@make@fivecolfootnotetext{#1}%
9437 \m@make@mpfivecolfootnotetext{#1}%
9438 \m@make@fivecolfootfmt{#1}%
9439 \m@make@fivecol@footgroup{#1}%
9440 \m@make@mpfivecol@footgroup{#1}%
9441 \m@make@footstart{#1}%
9442 \bidi@namelongdef{@footnotetext#1}##1{%
9443   \@nameuse{@fivecolfootnotetext#1}{##1}}%
9444 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9445   \@nameuse{@mpfivecolfootnotetext#1}{##1}}%
9446 \@namedef{@footgroup#1}{\@nameuse{@fivecol@footgroup#1}}%
9447 \@namedef{mp@footgroup#1}{\@nameuse{@mpfivecol@footgroup#1}}%
9448 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9449 \expandafter\count\csname footins#1\endcsname=500\relax}
9450 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
9451   \bidi@namelongdef{@fivecolfootnotetext#1}##1{%
9452     \insert\@nameuse{footins#1}{%
9453       \def\baselinestretch{\m@m@footnote@spacing}%
9454       \reset@font\@nameuse{foottextfont#1}%
9455       \@preamfntext
9456       \protected@edef\@currentlabel{%
9457         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9458       \color@begingroup
9459         \@nameuse{@fivecolfootfmt#1}{##1}%
9460       \color@endgroup}%
9461       \m@mmf@prepare}}
9462 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
9463   \bidi@namelongdef{@mpfivecolfootnotetext#1}##1{%
9464     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9465       \unvbox\@nameuse{@mpfootins#1}
9466       \def\baselinestretch{\m@m@footnote@spacing}%
9467       \reset@font\@nameuse{foottextfont#1}%
9468       \hsize\columnwidth \@parboxrestore
9469       \protected@edef\@currentlabel{%
9470         \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
9471       \color@begingroup
9472         \@nameuse{@fivecolfootfmt#1}{##1}%
9473       \color@endgroup}\m@mmf@prepare}}
9474 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
9475   \@namedef{@fivecolfootfmt#1}##1{%
9476     \@preamfivefmt
9477     {\@nameuse{footfootmark#1}\strut
9478      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9479 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
9480   \@namedef{@fivecol@footgroup#1}{%
9481     \def\baselinestretch{\m@m@footnote@spacing}%
9482     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9483     \m@rigrigidbalance{\@nameuse{footins#1}}{5}{\splittopskip}}}%
9484 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
9485   \@namedef{@mpfivecol@footgroup#1}{%

```



```

9486 \def\baselinestretch{\m@m@footnote@spacing}%
9487 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9488 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
9489 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
9490   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9491   \@bidi@before@Hy@hyperfootnotes
9492   \let\@footnotetext\@sixcolfootnotetext
9493   \let\@LTRfootnotetext\@sixcolLTRfootnotetext
9494   \let\@RTLfootnotetext\@sixcolRTLfootnotetext
9495   \dimen\footinsv@r=6\footinsdim
9496   \count\footinsv@r=166\relax
9497   \m@make@sixcol@footgroup{v@r}%
9498   \let\@footgroupv@r\@sixcol@footgroupv@r
9499   \let\@mpfootnotetext\@mpsixcolfootnotetext
9500   \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
9501   \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
9502   \@bidi@after@Hy@hyperfootnotes
9503   \m@make@mpsixcol@footgroup{v@r}%
9504   \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
9505 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9506   \def\baselinestretch{\m@m@footnote@spacing}%
9507   \reset@font\foottextfont
9508   \@preamfntext
9509   \protected@edef\@currentlabel{%
9510     \csname p@footnote\endcsname\@thefnmark}%
9511   \color@begingroup
9512     \@sixcolfootfmt{#1}%
9513   \color@endgroup}%
9514   \m@mmf@prepare}
9515 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9516   \def\baselinestretch{\m@m@footnote@spacing}%
9517   \reset@font\LTRfoottextfont
9518   \@preamfntext
9519   \protected@edef\@currentlabel{%
9520     \csname p@footnote\endcsname\@thefnmark}%
9521   \color@begingroup
9522     \@sixcolLTRfootfmt{#1}%
9523   \color@endgroup}%
9524   \m@mmf@prepare}
9525 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9526   \def\baselinestretch{\m@m@footnote@spacing}%
9527   \reset@font\RTLfoottextfont
9528   \@preamfntext
9529   \protected@edef\@currentlabel{%
9530     \csname p@footnote\endcsname\@thefnmark}%
9531   \color@begingroup
9532     \@sixcolRTLfootfmt{#1}%
9533   \color@endgroup}%
9534   \m@mmf@prepare}
9535 \bidi@ensure@newcommand{\@preamsixfmt}{%

```



```

9536 \hsize .16\hsize
9537 \parindent=\z@
9538 \tolerance=5000\relax
9539 \leavevmode}
9540 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
9541   \@preamsixfmt
9542   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9543 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
9544   \@preamsixfmt
9545   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9546 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
9547   \@preamsixfmt
9548   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9549 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi}
9550 \global\setbox\@mpfootinsv\@r\@vbox{%
9551   \unvbox\@mpfootinsv\@r
9552   \def\baselinestretch{\m@m@footnote@spacing}%
9553   \reset@font\foottextfont
9554   \hsize\columnwidth \@parboxrestore
9555   \protected@edef\@currentlabel{%
9556     \csname p@mpfootnote\endcsname\@thefnmark}%
9557   \color@begingroup
9558     \@sixcolfootfmt{#1}%
9559   \color@endgroup}%
9560 \m@m@mmf@prepare}
9561 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
9562   \global\setbox\@mpfootinsv\@r\@vbox{%
9563     \unvbox\@mpfootinsv\@r
9564     \def\baselinestretch{\m@m@footnote@spacing}%
9565     \reset@font\LTRfoottextfont
9566     \hsize\columnwidth \@parboxrestore
9567     \if@RTLcolumnfootnotes\beginL\fi
9568     \protected@edef\@currentlabel{%
9569       \csname p@mpfootnote\endcsname\@thefnmark}%
9570     \color@begingroup
9571       \@sixcolLTRfootfmt{#1}%
9572     \color@endgroup}%
9573   \m@m@mmf@prepare}
9574 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
9575   \global\setbox\@mpfootinsv\@r\@vbox{%
9576     \unvbox\@mpfootinsv\@r
9577     \def\baselinestretch{\m@m@footnote@spacing}%
9578     \reset@font\RTLfoottextfont
9579     \hsize\columnwidth \@parboxrestore
9580     \protected@edef\@currentlabel{%
9581       \csname p@mpfootnote\endcsname\@thefnmark}%
9582     \color@begingroup
9583       \@sixcolRTLfootfmt{#1}%
9584     \color@endgroup}%
9585   \m@m@mmf@prepare}

```



```

9586 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
9587   \m@make@sixcolfootnotetext{#1}%
9588   \m@make@mpsixcolfootnotetext{#1}%
9589   \m@make@sixcolfootfmt{#1}%
9590   \m@make@sixcol@footgroup{#1}%
9591   \m@make@mpsixcol@footgroup{#1}%
9592   \m@make@footstart{#1}%
9593   \bidi@namelongdef{@footnotetext#1}##1{%
9594     \@nameuse{@sixcolfootnotetext#1}{##1}}%
9595   \bidi@namelongdef{@mpfootnotetext#1}##1{%
9596     \@nameuse{@mpsixcolfootnotetext#1}{##1}}%
9597   \@namedef{@footgroup#1}{\@nameuse{@sixcol@footgroup#1}}%
9598   \@namedef{@mpfootgroup#1}{\@nameuse{@mpsixcol@footgroup#1}}%
9599   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9600   \expandafter\count\csname footins#1\endcsname=500\relax}
9601 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
9602   \bidi@namelongdef{@sixcolfootnotetext#1}##1{%
9603     \insert\@nameuse{footins#1}{%
9604       \def\baselinestretch{\m@m@footnote@spacing}%
9605       \reset@font\@nameuse{foottextfont#1}%
9606       \@preamfntext
9607       \protected@edef\@currentlabel{%
9608         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
9609       \color@begingroup
9610         \@nameuse{@sixcolfootfmt#1}{##1}%
9611       \color@endgroup}%
9612       \m@m@mmf@prepare}}
9613 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
9614   \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
9615     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
9616       \unvbox\@nameuse{@mpfootins#1}
9617       \def\baselinestretch{\m@m@footnote@spacing}%
9618       \reset@font\@nameuse{foottextfont#1}%
9619       \hsize\columnwidth \@parboxrestore
9620       \protected@edef\@currentlabel{%
9621         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
9622       \color@begingroup
9623         \@nameuse{@sixcolfootfmt#1}{##1}%
9624       \color@endgroup}\m@m@mmf@prepare}}
9625 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
9626   \@namedef{@sixcolfootfmt#1}##1{%
9627     \@preamsixfmt
9628     {\@nameuse{footfootmark#1}\strut
9629      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9630 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
9631   \@namedef{@sixcol@footgroup#1}{%
9632     \def\baselinestretch{\m@m@footnote@spacing}%
9633     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9634     \m@m@rigidbalance{\@nameuse{footins#1}}{6}{\splittopskip}}}%
9635 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%

```





```

9636 \namedef{@mpsixcol@footgroup#1}{%
9637   \def\baselinestretch{\m@m@footnote@spacing}%
9638   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9639   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{6}{\splittopskip}}}%
9640 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
9641   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9642   \@bidi@before@Hy@hyperfootnotes
9643   \let\@footnotetext\@sevendcolfootnotetext
9644   \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
9645   \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
9646   \dimen\footinsv@r=7\footinsdim
9647   \count\footinsv@r=142\relax
9648   \m@make@sevendcol@footgroup{v@r}%
9649   \let\@footgroupv@r\@sevendcol@footgroupv@r
9650   \let\@mpfootnotetext\@mpsevendcolfootnotetext
9651   \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
9652   \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
9653   \@bidi@after@Hy@hyperfootnotes
9654   \m@make@mpsevendcol@footgroup{v@r}%
9655   \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r}
9656 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
9657   \def\baselinestretch{\m@m@footnote@spacing}%
9658   \reset@font\foottextfont
9659   \@preamfntext
9660   \protected@edef\@currentlabel{%
9661     \csname p@footnote\endcsname\@thefnmark}%
9662   \color@begingroup
9663     \@sevendcolfootfmt{#1}%
9664   \color@endgroup}%
9665   \m@mmf@prepare}
9666 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9667   \def\baselinestretch{\m@m@footnote@spacing}%
9668   \reset@font\LTRfoottextfont
9669   \@preamfntext
9670   \protected@edef\@currentlabel{%
9671     \csname p@footnote\endcsname\@thefnmark}%
9672   \color@begingroup
9673     \@sevendcolLTRfootfmt{#1}%
9674   \color@endgroup}%
9675   \m@mmf@prepare}
9676 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9677   \def\baselinestretch{\m@m@footnote@spacing}%
9678   \reset@font\RTLfoottextfont
9679   \@preamfntext
9680   \protected@edef\@currentlabel{%
9681     \csname p@footnote\endcsname\@thefnmark}%
9682   \color@begingroup
9683     \@sevendcolRTLfootfmt{#1}%
9684   \color@endgroup}%
9685   \m@mmf@prepare}

```



```

9686 \bidi@ensure@newcommand{\@preamsevenfmt}{%
9687   \hsize .142\hsize
9688   \parindent=\z@
9689   \tolerance=5000\relax
9690   \leavevmode}
9691 \bidi@ensure@newcommand{\@sevencolfootfmt}[1]{%
9692   \@preamsevenfmt
9693   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9694 \bidi@ensure@newcommand{\@sevencolLTRfootfmt}[1]{%
9695   \@preamsevenfmt
9696   {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9697 \bidi@ensure@newcommand{\@sevencolRTLfootfmt}[1]{%
9698   \@preamsevenfmt
9699   {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9700 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
9701   \global\setbox\@mpfootinsv@r\vbox{%
9702     \unvbox\@mpfootinsv@r
9703     \def\baselinestretch{\m@m@footnote@spacing}%
9704     \reset@font\foottextfont
9705     \hsize\columnwidth \@parboxrestore
9706     \protected@edef\@currentlabel{%
9707       \csname p@mpfootnote\endcsname\@thefnmark}%
9708     \color@begingroup
9709       \@sevencolfootfmt{#1}%
9710     \color@endgroup}%
9711     \m@mmf@prepare}
9712 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{\@RTLfalse%
9713   \global\setbox\@mpfootinsv@r\vbox{%
9714     \unvbox\@mpfootinsv@r
9715     \def\baselinestretch{\m@m@footnote@spacing}%
9716     \reset@font\LTRfoottextfont
9717     \hsize\columnwidth \@parboxrestore
9718     \if@RTLcolumnfootnotes\beginL\fi
9719     \protected@edef\@currentlabel{%
9720       \csname p@mpfootnote\endcsname\@thefnmark}%
9721     \color@begingroup
9722       \@sevencolLTRfootfmt{#1}%
9723     \color@endgroup}%
9724     \m@mmf@prepare}
9725 \bidi@ensure@newcommand{\@mpsevencolRTLfootnotetext}[1]{\@RTLtrue%
9726   \global\setbox\@mpfootinsv@r\vbox{%
9727     \unvbox\@mpfootinsv@r
9728     \def\baselinestretch{\m@m@footnote@spacing}%
9729     \reset@font\RTLfoottextfont
9730     \hsize\columnwidth \@parboxrestore
9731     \protected@edef\@currentlabel{%
9732       \csname p@mpfootnote\endcsname\@thefnmark}%
9733     \color@begingroup
9734       \@sevencolRTLfootfmt{#1}%
9735     \color@endgroup}%

```



```

9736 \m@mmf@prepare}
9737 \bidi@ensure@newcommand{\sevendcolumnfootstyle}[1]{%
9738 \m@make@sevendcolfootnotetext{#1}%
9739 \m@make@mpsevendcolfootnotetext{#1}%
9740 \m@make@sevendcolfootfmt{#1}%
9741 \m@make@sevendcol@footgroup{#1}%
9742 \m@make@mpsevendcol@footgroup{#1}%
9743 \m@make@footstart{#1}%
9744 \bidi@namelongdef{@footnotetext#1}##1{%
9745 \nameuse{@sevendcolfootnotetext#1}{##1}}%
9746 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9747 \nameuse{@mpsevendcolfootnotetext#1}{##1}}%
9748 \@namedef{@footgroup#1}{\nameuse{@sevendcol@footgroup#1}}%
9749 \@namedef{@mp@footgroup#1}{\nameuse{@mpsevendcol@footgroup#1}}%
9750 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9751 \expandafter\count\csname footins#1\endcsname=500\relax}
9752 \bidi@ensure@newcommand{\m@make@sevendcolfootnotetext}[1]{%
9753 \bidi@namelongdef{@sevendcolfootnotetext#1}##1{%
9754 \insert\nameuse{footins#1}{%
9755 \def\baselinestretch{\m@m@footnote@spacing}%
9756 \reset@font\nameuse{foottextfont#1}%
9757 \@preamfntext
9758 \protected@edef\currentlabel{%
9759 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
9760 \color@begingroup
9761 \nameuse{@sevendcolfootfmt#1}{##1}%
9762 \color@endgroup}%
9763 \m@mmf@prepare}}
9764 \bidi@ensure@newcommand{\m@make@mpsevendcolfootnotetext}[1]{%
9765 \bidi@namelongdef{@mpsevendcolfootnotetext#1}##1{%
9766 \global\setbox\nameuse{@mpfootins#1}\vbox{%
9767 \unvbox\nameuse{@mpfootins#1}
9768 \def\baselinestretch{\m@m@footnote@spacing}%
9769 \reset@font\nameuse{foottextfont#1}%
9770 \hsize\columnwidth \parboxrestore
9771 \protected@edef\currentlabel{%
9772 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
9773 \color@begingroup
9774 \nameuse{@sevendcolfootfmt#1}{##1}%
9775 \color@endgroup}\m@mmf@prepare}}
9776 \bidi@ensure@newcommand{\m@make@sevendcolfootfmt}[1]{%
9777 \@namedef{@sevendcolfootfmt#1}##1{%
9778 \@preamsevenfmt
9779 {\nameuse{footfootmark#1}\strut
9780 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9781 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
9782 \@namedef{@sevendcol@footgroup#1}{%
9783 \def\baselinestretch{\m@m@footnote@spacing}%
9784 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9785 \m@mrigidbalance{\nameuse{footins#1}}{7}{\splittopskip}}}}

```



```

9786 \bidi@ensure@newcommand{\m@make@mpsevenscol@footgroup}[1]{%
9787 \@namedef{@mpsevenscol@footgroup#1}{%
9788 \def\baselinestretch{\m@m@footnote@spacing}%
9789 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9790 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}%
9791 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
9792 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9793 \@bidi@before@Hy@hyperfootnotes
9794 \let\@footnotetext\@eightcolfootnotetext
9795 \let\@LTRfootnotetext\@eightcolLTRfootnotetext
9796 \let\@RTLfootnotetext\@eightcolRTLfootnotetext
9797 \dimen\footinsv@r=8\footinsdim
9798 \count\footinsv@r=125\relax
9799 \m@make@eightcol@footgroup{v@r}%
9800 \let\@footgroupv@r\@eightcol@footgroupv@r
9801 \let\@mpfootnotetext\@mpeightcolfootnotetext
9802 \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
9803 \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
9804 \@bidi@after@Hy@hyperfootnotes
9805 \m@make@mpeightcol@footgroup{v@r}%
9806 \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
9807 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
9808 \def\baselinestretch{\m@m@footnote@spacing}%
9809 \reset@font\foottextfont
9810 \@preamfntext
9811 \protected@edef\@currentlabel{%
9812 \csname p@footnote\endcsname\@thefnmark}%
9813 \color@begingroup
9814 \@eightcolfootfmt{#1}%
9815 \color@endgroup}%
9816 \m@mmf@prepare}
9817 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
9818 \def\baselinestretch{\m@m@footnote@spacing}%
9819 \reset@font\LTRfoottextfont
9820 \@preamfntext
9821 \protected@edef\@currentlabel{%
9822 \csname p@footnote\endcsname\@thefnmark}%
9823 \color@begingroup
9824 \@eightcolLTRfootfmt{#1}%
9825 \color@endgroup}%
9826 \m@mmf@prepare}
9827 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9828 \def\baselinestretch{\m@m@footnote@spacing}%
9829 \reset@font\RTLfoottextfont
9830 \@preamfntext
9831 \protected@edef\@currentlabel{%
9832 \csname p@footnote\endcsname\@thefnmark}%
9833 \color@begingroup
9834 \@eightcolRTLfootfmt{#1}%
9835 \color@endgroup}%

```



```

9836 \m@mmf@prepare}
9837 \bidi@ensure@newcommand{\@preameightfmt}{%
9838 \hsize .125\hsize
9839 \parindent=\z@
9840 \tolerance=5000\relax
9841 \leavevmode}
9842 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
9843 \@preameightfmt
9844 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9845 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
9846 \@preameightfmt
9847 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9848 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
9849 \@preameightfmt
9850 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
9851 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
9852 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9853 \unvbox\@mpfootinsv@r
9854 \def\baselinestretch{\m@m@footnote@spacing}%
9855 \reset@font\foottextfont
9856 \hsize\columnwidth \@parboxrestore
9857 \protected@edef\@currentlabel{%
9858 \csname p@mpfootnote\endcsname\@thefnmark}%
9859 \color@begingroup
9860 \@eightcolfootfmt{#1}%
9861 \color@endgroup}%
9862 \m@mmf@prepare}
9863 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
9864 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
9865 \unvbox\@mpfootinsv@r
9866 \def\baselinestretch{\m@m@footnote@spacing}%
9867 \reset@font\LTRfoottextfont
9868 \hsize\columnwidth \@parboxrestore
9869 \if@RTLcolumnfootnotes\beginL\fi
9870 \protected@edef\@currentlabel{%
9871 \csname p@mpfootnote\endcsname\@thefnmark}%
9872 \color@begingroup
9873 \@eightcolLTRfootfmt{#1}%
9874 \color@endgroup}%
9875 \m@mmf@prepare}
9876 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
9877 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
9878 \unvbox\@mpfootinsv@r
9879 \def\baselinestretch{\m@m@footnote@spacing}%
9880 \reset@font\RTLfoottextfont
9881 \hsize\columnwidth \@parboxrestore
9882 \protected@edef\@currentlabel{%
9883 \csname p@mpfootnote\endcsname\@thefnmark}%
9884 \color@begingroup
9885 \@eightcolRTLfootfmt{#1}%

```



```

9886 \color@endgroup}%
9887 \m@mml@prepare}
9888 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
9889 \m@make@eightcolfootnotetext{#1}%
9890 \m@make@mpeightcolfootnotetext{#1}%
9891 \m@make@eightcolfootfmt{#1}%
9892 \m@make@eightcol@footgroup{#1}%
9893 \m@make@mpeightcol@footgroup{#1}%
9894 \m@make@footstart{#1}%
9895 \bidi@namelongdef{@footnotetext#1}##1{%
9896 \nameuse{@eightcolfootnotetext#1}{##1}}%
9897 \bidi@namelongdef{@mpfootnotetext#1}##1{%
9898 \nameuse{@mpeightcolfootnotetext#1}{##1}}%
9899 \namedef{@footgroup#1}{\nameuse{@eightcol@footgroup#1}}%
9900 \namedef{@mpfootgroup#1}{\nameuse{@mpeightcol@footgroup#1}}%
9901 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
9902 \expandafter\count\csname footins#1\endcsname=500\relax}
9903 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
9904 \bidi@namelongdef{@eightcolfootnotetext#1}##1{%
9905 \insert\nameuse{footins#1}{%
9906 \def\baselinestretch{\m@m@footnote@spacing}%
9907 \reset@font\nameuse{foottextfont#1}%
9908 \@preamfntext
9909 \protected@edef\currentlabel{%
9910 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
9911 \color@begingroup
9912 \nameuse{@eightcolfootfmt#1}{##1}%
9913 \color@endgroup}%
9914 \m@mml@prepare}}
9915 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
9916 \bidi@namelongdef{@mpeightcolfootnotetext#1}##1{%
9917 \global\setbox\nameuse{@mpfootins#1}\vbox{%
9918 \unvbox\nameuse{@mpfootins#1}
9919 \def\baselinestretch{\m@m@footnote@spacing}%
9920 \reset@font\nameuse{foottextfont#1}%
9921 \hsize\columnwidth \@parboxrestore
9922 \protected@edef\currentlabel{%
9923 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
9924 \color@begingroup
9925 \nameuse{@eightcolfootfmt#1}{##1}%
9926 \color@endgroup}\m@mml@prepare}}
9927 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
9928 \namedef{@eightcolfootfmt#1}##1{%
9929 \@preameightfmt
9930 {\nameuse{footfootmark#1}\strut
9931 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
9932 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
9933 \namedef{@eightcol@footgroup#1}{%
9934 \def\baselinestretch{\m@m@footnote@spacing}%
9935 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox

```



```

9936 \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
9937 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
9938 \@namedef{@mpeightcol@footgroup#1}{%
9939 \def\baselinestretch{\m@m@footnote@spacing}%
9940 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
9941 \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}
9942 \bidi@ensure@newcommand{\@ninecolumnfootnotes}{%
9943 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
9944 \@bidi@before@Hy@hyperfootnotes
9945 \let\@footnotetext\@ninecolfootnotetext
9946 \let\@LTRfootnotetext\@ninecolLTRfootnotetext
9947 \let\@RTLfootnotetext\@ninecolRTLfootnotetext
9948 \dimen\footinsv@r=9\footinsdim
9949 \count\footinsv@r=111\relax
9950 \m@make@ninecol@footgroup{v@r}%
9951 \let\@footgroupv@r\@ninecol@footgroupv@r
9952 \let\@mpfootnotetext\@mpninecolfootnotetext
9953 \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
9954 \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
9955 \@bidi@after@Hy@hyperfootnotes
9956 \m@make@mpninecol@footgroup{v@r}%
9957 \let\@mp@footgroupv@r\@mpninecol@footgroupv@r}
9958 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
9959 \def\baselinestretch{\m@m@footnote@spacing}%
9960 \reset@font\foottextfont
9961 \@preamfntext
9962 \protected@edef\@currentlabel{%
9963 \csname p@footnote\endcsname\@thefnmark}%
9964 \color@begingroup
9965 \@ninecolfootfmt{#1}%
9966 \color@endgroup}%
9967 \m@m@mmf@prepare}
9968 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
9969 \def\baselinestretch{\m@m@footnote@spacing}%
9970 \reset@font\LTRfoottextfont
9971 \@preamfntext
9972 \protected@edef\@currentlabel{%
9973 \csname p@footnote\endcsname\@thefnmark}%
9974 \color@begingroup
9975 \@ninecolLTRfootfmt{#1}%
9976 \color@endgroup}%
9977 \m@m@mmf@prepare}
9978 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
9979 \def\baselinestretch{\m@m@footnote@spacing}%
9980 \reset@font\RTLfoottextfont
9981 \@preamfntext
9982 \protected@edef\@currentlabel{%
9983 \csname p@footnote\endcsname\@thefnmark}%
9984 \color@begingroup
9985 \@ninecolRTLfootfmt{#1}%

```



```

9986 \color@endgroup}%
9987 \m@mmf@prepare}
9988 \bidi@ensure@newcommand{\@preamninefmt}{%
9989 \hspace .1\hspace
9990 \parindent=\z@
9991 \tolerance=5000\relax
9992 \leavevmode}
9993 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%
9994 \@preamninefmt
9995 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
9996 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
9997 \@preamninefmt
9998 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
9999 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
10000 \@preamninefmt
10001 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10002 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
10003 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10004 \unvbox\@mpfootinsv@r
10005 \def\baselinestretch{\m@m@footnote@spacing}%
10006 \reset@font\foottextfont
10007 \hspace\columnwidth \@parboxrestore
10008 \protected@edef\@currentlabel{%
10009 \csname p@mpfootnote\endcsname\@thefnmark}%
10010 \color@begingroup
10011 \@ninecolfootfmt{#1}%
10012 \color@endgroup}%
10013 \m@mmf@prepare}
10014 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
10015 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10016 \unvbox\@mpfootinsv@r
10017 \def\baselinestretch{\m@m@footnote@spacing}%
10018 \reset@font\LTRfoottextfont
10019 \hspace\columnwidth \@parboxrestore
10020 \if@RTLcolumnfootnotes\beginL\fi
10021 \protected@edef\@currentlabel{%
10022 \csname p@mpfootnote\endcsname\@thefnmark}%
10023 \color@begingroup
10024 \@ninecolLTRfootfmt{#1}%
10025 \color@endgroup}%
10026 \m@mmf@prepare}
10027 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
10028 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10029 \unvbox\@mpfootinsv@r
10030 \def\baselinestretch{\m@m@footnote@spacing}%
10031 \reset@font\RTLfoottextfont
10032 \hspace\columnwidth \@parboxrestore
10033 \protected@edef\@currentlabel{%
10034 \csname p@mpfootnote\endcsname\@thefnmark}%
10035 \color@begingroup

```





```

10036 \@ninecolRTLfootfmt{#1}%
10037 \color@endgroup}%
10038 \m@mmf@prepare}
10039 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
10040 \m@make@ninecolfootnotetext{#1}%
10041 \m@make@mpninecolfootnotetext{#1}%
10042 \m@make@ninecolfootfmt{#1}%
10043 \m@make@ninecol@footgroup{#1}%
10044 \m@make@mpninecol@footgroup{#1}%
10045 \m@make@footstart{#1}%
10046 \bidi@namelongdef{@footnotetext#1}##1{%
10047 \@nameuse{@ninecolfootnotetext#1}{##1}}%
10048 \bidi@namelongdef{@mpfootnotetext#1}##1{%
10049 \@nameuse{@mpninecolfootnotetext#1}{##1}}%
10050 \@namedef{@footgroup#1}{\@nameuse{@ninecol@footgroup#1}}%
10051 \@namedef{@mpfootgroup#1}{\@nameuse{@mpninecol@footgroup#1}}%
10052 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10053 \expandafter\count\csname footins#1\endcsname=500\relax}
10054 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
10055 \bidi@namelongdef{@ninecolfootnotetext#1}##1{%
10056 \insert\@nameuse{footins#1}{%
10057 \def\baselinestretch{\m@m@footnote@spacing}%
10058 \reset@font\@nameuse{foottextfont#1}%
10059 \@preamfntext
10060 \protected@edef\@currentlabel{%
10061 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10062 \color@begingroup
10063 \@nameuse{@ninecolfootfmt#1}{##1}%
10064 \color@endgroup}%
10065 \m@mmf@prepare}}
10066 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
10067 \bidi@namelongdef{@mpninecolfootnotetext#1}##1{%
10068 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10069 \unvbox\@nameuse{@mpfootins#1}
10070 \def\baselinestretch{\m@m@footnote@spacing}%
10071 \reset@font\@nameuse{foottextfont#1}%
10072 \hsize\columnwidth \@parboxrestore
10073 \protected@edef\@currentlabel{%
10074 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
10075 \color@begingroup
10076 \@nameuse{@ninecolfootfmt#1}{##1}%
10077 \color@endgroup}\m@mmf@prepare}}
10078 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
10079 \@namedef{@ninecolfootfmt#1}##1{%
10080 \@preamninefmt
10081 {\@nameuse{footfootmark#1}\strut
10082 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10083 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
10084 \@namedef{@ninecol@footgroup#1}{%
10085 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

10086 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10087 \m@rigrigidbodybalance{\nameuse{footins#1}}{9}{\splittopskip}}}}
10088 \bidi@ensure@newcommand{\m@make@mpninelcol@footgroup}[1]{%
10089 \namedef{@mpninelcol@footgroup#1}{%
10090 \def\baselinestretch{\m@footnote@spacing}%
10091 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10092 \m@rigrigidbodybalance{\nameuse{mpfootins#1}}{9}{\splittopskip}}}}
10093 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
10094 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
10095 \@bidi@before@Hy@hyperfootnotes
10096 \let\@footnotetext\@tencolfootnotetext
10097 \let\@LTRfootnotetext\@tencolLTRfootnotetext
10098 \let\@RTLfootnotetext\@tencolRTLfootnotetext
10099 \dimen\footinsv@r=10\footinsdim
10100 \count\footinsv@r=100\relax
10101 \m@make@tencol@footgroup{v@r}%
10102 \let\@footgroupv@r\@tencol@footgroupv@r
10103 \let\@mpfootnotetext\@mptencolfootnotetext
10104 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
10105 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
10106 \@bidi@after@Hy@hyperfootnotes
10107 \m@make@mptencol@footgroup{v@r}%
10108 \let\mp@footgroupv@r\@mptencol@footgroupv@r}
10109 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
10110 \def\baselinestretch{\m@footnote@spacing}%
10111 \reset@font\foottextfont
10112 \@preamfntext
10113 \protected@edef\@currentlabel{%
10114 \csname p@footnote\endcsname\@thefnmark}%
10115 \color@begingroup
10116 \@tencolfootfmt{#1}%
10117 \color@endgroup}%
10118 \m@mmf@prepare}
10119 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
10120 \def\baselinestretch{\m@footnote@spacing}%
10121 \reset@font\LTRfoottextfont
10122 \@preamfntext
10123 \protected@edef\@currentlabel{%
10124 \csname p@footnote\endcsname\@thefnmark}%
10125 \color@begingroup
10126 \@tencolLTRfootfmt{#1}%
10127 \color@endgroup}%
10128 \m@mmf@prepare}
10129 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
10130 \def\baselinestretch{\m@footnote@spacing}%
10131 \reset@font\RTLfoottextfont
10132 \@preamfntext
10133 \protected@edef\@currentlabel{%
10134 \csname p@footnote\endcsname\@thefnmark}%
10135 \color@begingroup

```



```

10136 \@tencolRTLfootfmt{#1}%
10137 \color@endgroup}%
10138 \m@mmf@prepare}
10139 \bidi@ensure@newcommand{\@preamtenfmt}{%
10140 \hspace .1\hspace
10141 \parindent=\z@
10142 \tolerance=5000\relax
10143 \leavevmode}
10144 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
10145 \@preamtenfmt
10146 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
10147 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%
10148 \@preamtenfmt
10149 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
10150 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
10151 \@preamtenfmt
10152 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
10153 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
10154 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
10155 \unvbox\@mpfootinsv@r
10156 \def\baselinestretch{\m@m@footnote@spacing}%
10157 \reset@font\foottextfont
10158 \hspace\columnwidth \@parboxrestore
10159 \protected@edef\@currentlabel{%
10160 \csname p@mpfootnote\endcsname\@thefnmark}%
10161 \color@begingroup
10162 \@tencolfootfmt{#1}%
10163 \color@endgroup}%
10164 \m@mmf@prepare}
10165 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
10166 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
10167 \unvbox\@mpfootinsv@r
10168 \def\baselinestretch{\m@m@footnote@spacing}%
10169 \reset@font\LTRfoottextfont
10170 \hspace\columnwidth \@parboxrestore
10171 \if@RTLcolumnfootnotes\beginL\fi
10172 \protected@edef\@currentlabel{%
10173 \csname p@mpfootnote\endcsname\@thefnmark}%
10174 \color@begingroup
10175 \@tencolLTRfootfmt{#1}%
10176 \color@endgroup}%
10177 \m@mmf@prepare}
10178 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
10179 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
10180 \unvbox\@mpfootinsv@r
10181 \def\baselinestretch{\m@m@footnote@spacing}%
10182 \reset@font\RTLfoottextfont
10183 \hspace\columnwidth \@parboxrestore
10184 \protected@edef\@currentlabel{%
10185 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

10186 \color@begingroup
10187   \@tencolRTLfootfmt{#1}%
10188 \color@endgroup}%
10189 \m@mmf@prepare}
10190 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
10191   \m@make@tencolfootnotetext{#1}%
10192   \m@make@mptencolfootnotetext{#1}%
10193   \m@make@tencolfootfmt{#1}%
10194   \m@make@tencol@footgroup{#1}%
10195   \m@make@mptencol@footgroup{#1}%
10196   \m@make@footstart{#1}%
10197   \bidi@namelongdef{\footnotetext#1}##1{%
10198     \@nameuse{@tencolfootnotetext#1}{##1}}%
10199   \bidi@namelongdef{\mpfootnotetext#1}##1{%
10200     \@nameuse{@mptencolfootnotetext#1}{##1}}%
10201   \@namedef{@footgroup#1}{\@nameuse{@tencol@footgroup#1}}%
10202   \@namedef{@mpfootgroup#1}{\@nameuse{@mptencol@footgroup#1}}%
10203   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
10204   \expandafter\count\csname footins#1\endcsname=500\relax}
10205 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
10206   \bidi@namelongdef{\tencolfootnotetext#1}##1{%
10207     \insert\@nameuse{footins#1}{%
10208       \def\baselinestretch{\m@m@footnote@spacing}%
10209       \reset@font\@nameuse{foottextfont#1}%
10210       \@preamfntext
10211       \protected@edef\@currentlabel{%
10212         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10213       \color@begingroup
10214         \@nameuse{@tencolfootfmt#1}{##1}%
10215       \color@endgroup}%
10216     \m@mmf@prepare}}
10217 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
10218   \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
10219     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10220       \unvbox\@nameuse{@mpfootins#1}
10221       \def\baselinestretch{\m@m@footnote@spacing}%
10222       \reset@font\@nameuse{foottextfont#1}%
10223       \hsize\columnwidth \@parboxrestore
10224       \protected@edef\@currentlabel{%
10225         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
10226       \color@begingroup
10227         \@nameuse{@tencolfootfmt#1}{##1}%
10228       \color@endgroup}\m@mmf@prepare}}
10229 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
10230   \@namedef{@tencolfootfmt#1}##1{%
10231     \@preamtenfmt
10232     {\@nameuse{footfootmark#1}\strut
10233      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
10234 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
10235   \@namedef{@tencol@footgroup#1}{%

```



```

10236 \def\baselinestretch{\m@m@footnote@spacing}%
10237 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10238 \m@mrigidbalance{\nameuse{footins#1}}{10}{\splittopskip}}}}
10239 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
10240 \namedef{@mptencol@footgroup#1}{%
10241 \def\baselinestretch{\m@m@footnote@spacing}%
10242 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
10243 \m@mrigidbalance{\nameuse{@mpfootins#1}}{10}{\splittopskip}}}}
10244 \bidi@ensure@newcommand{\m@munvxh}[1]{%
10245 \setbox0=\vbox{\unvbox#1%
10246 \global\setbox1=\lastbox}%
10247 \unhbox1
10248 \unskip
10249 \unskip
10250 \unpenalty
10251 \hskip\m@mipn@skip}
10252 \bidi@ensure@newcommand{\m@mungebox}{%
10253 \setbox0=\hbox{\m@munvxh0}%
10254 \dp0=\z@
10255 \ht0=\footfudgefactor\wd0
10256 \box0
10257 \penalty0}
10258 \newskip\m@mipn@skip
10259 \bidi@ensure@newcommand*{\m@minterparanoteglua}[1]{%
10260 {\foottextfont\global\m@mipn@skip=#1\relax}}
10261 \m@minterparanoteglua{1em plus.4em minus.4em}
10262 \ifpackageloaded{multicol}{%
10263 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10264 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10265 \hsize\textwidth%
10266 \setbox0=\hbox{}%
10267 \loop
10268 \unpenalty
10269 \setbox2=\lastbox
10270 \ifhbox2
10271 \setbox0=\hbox{\box2\unhbox0}
10272 \repeat}
10273 }{%
10274 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
10275 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
10276 \setbox0=\hbox{}%
10277 \loop
10278 \unpenalty
10279 \setbox2=\lastbox
10280 \ifhbox2
10281 \setbox0=\hbox{\box2\unhbox0}
10282 \repeat}}
10283 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
10284 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
10285 \bidi@ensure@newcommand*{\footfudgefiddle}{64}

```



```

10286 \bidi@ensure@newcommand{\paragraphfootnotes}{%
10287   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
10288   \@bidi@before@Hy@hyperfootnotes
10289   \let\@footnotetext\@parafootnotetext
10290   \let\@LTRfootnotetext\@paraLTRfootnotetext
10291   \let\@RTLfootnotetext\@paraRTLfootnotetext
10292   \dimen\footinsv@r=\footinsdim
10293   \count\footinsv@r=1000\relax
10294   \m@make@para@footgroup{v@r}%
10295   \let\@footgroupv@r\@para@footgroupv@r
10296   \let\@mpfootnotetext\@mpparafootnotetext
10297   \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
10298   \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
10299   \@bidi@after@Hy@hyperfootnotes
10300   \m@make@mppara@footgroup{v@r}%
10301   \let\mp@footgroupv@r\@mppara@footgroupv@r
10302   \begingroup
10303   \def\baselinestretch{\m@m@footnote@spacing}%
10304   \foottextfont
10305   \@tempdima\normalbaselineskip
10306   \multiply \@tempdima \@cclvi
10307   \@tempdimb \columnwidth
10308   \divide \@tempdimb \@cclvi
10309   \divide \@tempdima \@tempdimb
10310   \xdef\footfudgefactor{\strip@pt\@tempdima}%
10311   \endgroup
10312 }
10313 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{%
10314   \let\bidi@RTL@everypar\@empty%
10315   \def\baselinestretch{\m@m@footnote@spacing}%
10316   \reset@font\foottextfont
10317   \@preamfntext
10318   \protected@edef\@currentlabel{%
10319     \csname p@footnote\endcsname\@thefnmark}%
10320   \setbox0=\vbox{\hsize=\maxdimen
10321     \color@begingroup
10322     \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else\endL}%
10323     \color@endgroup}%
10324   \m@mungebox}\m@mmf@prepare}
10325 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{%
10326   \let\bidi@RTL@everypar\@empty%
10327   \def\baselinestretch{\m@m@footnote@spacing}%
10328   \reset@font\LTRfoottextfont
10329   \@preamfntext
10330   \protected@edef\@currentlabel{%
10331     \csname p@footnote\endcsname\@thefnmark}%
10332   \setbox0=\vbox{\hsize=\maxdimen
10333     \color@begingroup
10334     \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10335     \color@endgroup}%

```



```

10336 \m@mungebox}\m@mmf@prepare}
10337 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{%
10338 \let\bidi@RTL@everypar\@empty%
10339 \def\baselinestretch{\m@m@footnote@spacing}%
10340 \reset@font\RTLfoottextfont
10341 \@preamfntext
10342 \protected@edef\@currentlabel{%
10343 \csname p@footnote\endcsname\@thefnmark}%
10344 \setbox0=\vbox{\hsize=\maxdimen
10345 \color@begingroup
10346 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10347 \color@endgroup}%
10348 \m@mungebox}\m@mmf@prepare}
10349 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
10350 \parindent=\z@
10351 \parfillskip=0pt \@plus 1fil
10352 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
10353 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
10354 \parindent=\z@
10355 \parfillskip=0pt \@plus 1fil
10356 {\LTRfootfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
10357 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
10358 \parindent=\z@
10359 \parfillskip=0pt \@plus 1fil
10360 {\RTLfootfootmark\strut {\RTLfoottextfont #1}\penalty-10}}
10361 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
10362 \global\setbox\@mpfootinsv@r\vbox{%
10363 \let\bidi@RTL@everypar\@empty%
10364 \def\baselinestretch{\m@m@footnote@spacing}%
10365 \unvbox\@mpfootinsv@r
10366 \reset@font\foottextfont
10367 \hsize\columnwidth \@parboxrestore
10368 \protected@edef\@currentlabel{%
10369 \csname p@mpfootnote\endcsname\@thefnmark}%
10370 \setbox0=\vbox{\hsize=\maxdimen
10371 \color@begingroup
10372 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else\beginR\fi}%
10373 \color@endgroup}%
10374 \m@mungebox}\m@mmf@prepare}
10375 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
10376 \global\setbox\@mpfootinsv@r\vbox{%
10377 \let\bidi@RTL@everypar\@empty%
10378 \def\baselinestretch{\m@m@footnote@spacing}%
10379 \unvbox\@mpfootinsv@r
10380 \reset@font\LTRfoottextfont
10381 \hsize\columnwidth \@parboxrestore
10382 \protected@edef\@currentlabel{%
10383 \csname p@mpfootnote\endcsname\@thefnmark}%
10384 \setbox0=\vbox{\hsize=\maxdimen
10385 \color@begingroup

```



```

10386      \noindent \@paraLTRfootfmt{\beginL#1\endL}%
10387      \color@endgroup}%
10388      \m@mungebox}\m@mmf@prepare}
10389 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
10390   \global\setbox\@mpfootinsv@r\vbox{%
10391     \let\bidi@RTL@everypar\@empty%
10392     \def\baselinestretch{\m@m@footnote@spacing}%
10393     \unvbox\@mpfootinsv@r
10394     \reset@font\RTLfoottextfont
10395     \hsize\columnwidth \@parboxrestore
10396     \protected@edef\@currentlabel{%
10397       \csname p@mpfootnote\endcsname\@thefnmark}%
10398     \setbox0=\vbox{\hsize=\maxdimen
10399       \color@begingroup
10400       \noindent \@paraRTLfootfmt{\beginR#1\endR}%
10401       \color@endgroup}%
10402     \m@mungebox}\m@mmf@prepare}
10403 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
10404   \m@make@parafootnotetext{#1}%
10405   \m@make@mpparafootnotetext{#1}%
10406   \m@make@parafootfmt{#1}%
10407   \m@make@para@footgroup{#1}%
10408   \m@make@mppara@footgroup{#1}%
10409   \m@make@para@footstart{#1}%
10410   \bidi@namelongdef{\@footnotetext#1}##1{%
10411     \@nameuse{\@parafootnotetext#1}{##1}}%
10412   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
10413     \@nameuse{\@mpparafootnotetext#1}{##1}}%
10414   \@namedef{\@footgroup#1}{\@nameuse{\@para@footgroup#1}}%
10415   \@namedef{\mp@footgroup#1}{\@nameuse{\@mppara@footgroup#1}}%
10416   \@namedef{\@footstart#1}{\@nameuse{\@para@footstart#1}}%
10417   \expandafter\dimen\csname footins#1\endcsname=\footinsdim
10418   \expandafter\count\csname footins#1\endcsname=1000\relax
10419   \begingroup
10420   \def\baselinestretch{\m@m@footnote@spacing}%
10421   \@nameuse{\foottextfont#1}%
10422   \@tempdima\normalbaselineskip
10423   \multiply \@tempdima \@cclvi
10424   \@tempdimb \columnwidth
10425   \divide \@tempdimb \@cclvi
10426   \divide \@tempdima \@tempdimb
10427   \xdef\footfudgefactor{\strip@pt\@tempdima}%
10428   \endgroup
10429 }
10430 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
10431 \bidi@namelongdef{\@parafootnotetext#1}##1{%
10432   \insert\@nameuse{\footins#1}{
10433     \def\baselinestretch{\m@m@footnote@spacing}%
10434     \reset@font\@nameuse{\foottextfont#1}%
10435     \preamfntext

```





```

10436 \protected@edef\@currentlabel{%
10437   \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
10438 \setbox0=\vbox{\hsize=\maxdimen
10439   \color@begingroup
10440     \noindent \@nameuse{@parafootfmt#1}{##1}%
10441   \color@endgroup}%
10442 \m@mungebox}\m@mmf@prepare}}
10443 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
10444 \bidi@namelongdef{\mpparafootnotetext#1}##1{%
10445   \global\setbox\@nameuse{@mpfootins#1}\vbox{%
10446     \unvbox\@nameuse{@mpfootins#1}
10447     \def\baselinestretch{\m@m@footnote@spacing}%
10448     \reset@font\@nameuse{foottextfont#1}%
10449     \hsize\columnwidth \@parboxrestore
10450     \protected@edef\@currentlabel{%
10451       \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
10452     \setbox0=\vbox{\hsize=\maxdimen
10453       \color@begingroup
10454         \noindent \@nameuse{@parafootfmt#1}{##1}%
10455       \color@endgroup}%
10456     \m@mungebox}\m@mmf@prepare}}
10457 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
10458 \bidi@namelongdef{@parafootfmt#1}##1{%
10459   \parindent=\z@
10460   \parfillskip=0pt \@plus 1fil
10461   {\@nameuse{footfootmark#1}\strut
10462     {\@nameuse{foottextfont#1}##1}\penalty-10}}
10463 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
10464 \@namedef{@para@footgroup#1}{%
10465   \unvbox\@nameuse{footins#1}
10466   \m@mmakehboxofhboxes
10467   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10468   \@parboxrestore%
10469   \def\baselinestretch{\m@m@footnote@spacing}%
10470   \@nameuse{foottextfont#1}%
10471   \noindent\unhbox0\par}}
10472 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
10473 \@namedef{@mppara@footgroup#1}{%
10474   \unvbox\@nameuse{@mpfootins#1}
10475   \m@mmakehboxofhboxes
10476   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
10477   \def\baselinestretch{\m@m@footnote@spacing}%
10478   \@nameuse{foottextfont#1}%
10479   \noindent\unhbox0\par}}
10480 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
10481 \@namedef{@para@footstart#1}{%
10482   \vskip\bigskipamount
10483   \leftskip=\z@
10484   \rightskip=\z@
10485   \parindent=\z@

```



```

10486 \vskip\skip\@nameuse{footins#1}%
10487 \footnoterule}}
10488 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
10489 \xdef\@freelist{\@freelist\@midlist}%
10490 \global\let\@midlist\@empty
10491 \@combinefloats}
10492 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
10493 \ifvbox\@kludgeins
10494 \@makespecialcolbox
10495 \else
10496 \setbox\@outputbox \vbox to\@colht{%
10497 \@texttop
10498 \dimen@ \dp\@outputbox
10499 \unvbox \@outputbox
10500 \vskip -\dimen@
10501 \@textbottom}%
10502 \fi}
10503 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
10504 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
10505 \boxmaxdepth\@maxdepth
10506 \@tempdima\dp\@cclv
10507 \unvbox\@cclv
10508 \vskip-\@tempdima
10509 \bidi@mopfn@bottom
10510 \vskip \skip\footins
10511 \color@begingroup
10512 \normalcolor
10513 \footnoterule
10514 \unvbox \footins
10515 \color@endgroup}}}
10516 \newcommand*{\bidi@mopfootnotebf}{%
10517 \setbox\@outputbox \vbox{%
10518 \boxmaxdepth\@maxdepth
10519 \unvbox\@outputbox
10520 \bidi@mopfn@bottom
10521 \vskip\skip\footins
10522 \color@begingroup
10523 \normalcolor
10524 \footnoterule
10525 \unvbox \footins
10526 \color@endgroup}}}
10527 \gdef\mem@makecol{%
10528 \m@m@makecolintro
10529 \ifvoid\footins
10530 \setbox\@outputbox \box\@cclv
10531 \else
10532 \m@mopfootnote
10533 \fi
10534 \m@mdoextrafeet
10535 \m@m@makecolfloats

```



```

10536 \m@m@makecoltext
10537 \global \maxdepth \@maxdepth}
10538 \gdef\bidi@makecolbf{%
10539 \m@m@makecolintro
10540 \setbox\@outputbox \box\@cclv
10541 \m@m@makecolfloats
10542 \ifvoid\footins
10543 \else
10544 \bidi@mopfootnotebf
10545 \fi
10546 \m@mdoextrafeet
10547 \m@m@makecoltext
10548 \global \maxdepth \@maxdepth}
10549 \newcommand{\FeetAboveFloat}{\gdef\@makecol{\mem@makecol}}
10550 \newcommand{\FeetBelowFloat}{\gdef\@makecol{\bidi@makecolbf}}
10551 \newcommand\FeetAtBottom{\def\bidi@mopfn@bottom{\vfill\relax}}
10552 \newcommand\FeetBelowRagged{\let\bidi@mopfn@bottom\relax}
10553 \FeetAboveFloat
10554 \FeetBelowRagged

```

## 55 File extreport-xetex-bidi.def

```

10555 \ProvidesFile{extreport-xetex-bidi.def}[2017/06/09 v0.3 bidi adaptations for extreport class]
10556 \renewcommand*\l@part[2]{%
10557 \ifnum \c@tocdepth >-2\relax
10558 \addpenalty{-\@highpenalty}%
10559 \addvspace{2.25em \@plus\p@}%
10560 \begingroup
10561 \setlength\@tempdima{3em}%
10562 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
10563 \parfillskip -\@pnumwidth
10564 {\leavevmode
10565 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
10566 \nobreak
10567 \global\@nobreaktrue
10568 \everypar{\global\@nobreakfalse\everypar{}}%
10569 \endgroup
10570 \fi}
10571 \renewcommand*\l@chapter[2]{%
10572 \ifnum \c@tocdepth >\m@ne
10573 \addpenalty{-\@highpenalty}%
10574 \vskip 1.0em \@plus\p@
10575 \setlength\@tempdima{1.5em}%
10576 \begingroup
10577 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
10578 \parfillskip -\@pnumwidth
10579 \leavevmode \bfseries
10580 \advance\ifRTL\rightskip\else\leftskip\fi\@tempdima
10581 \hskip -\ifRTL\rightskip\else\leftskip\fi
10582 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par

```



```

10583     \penalty\@highpenalty
10584     \endgroup
10585     \fi}
10586 \def\@makechapterhead#1{%
10587     \vspace*{50\p@}%
10588     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
10589     \ifnum \c@secnumdepth >\m@ne
10590         \huge\bfseries \@chapapp\space \thechapter
10591         \par\nobreak
10592         \vskip 20\p@
10593     \fi
10594     \interlinepenalty\@M
10595     \Huge \bfseries #1\par\nobreak
10596     \vskip 40\p@
10597     }}
10598 \def\@makeschapterhead#1{%
10599     \vspace*{50\p@}%
10600     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
10601     \normalfont
10602     \interlinepenalty\@M
10603     \Huge \bfseries #1\par\nobreak
10604     \vskip 40\p@
10605     }}
10606 \renewcommand\left@footnoterule{%
10607     \kern-3\p@
10608     \hrule\@width.4\columnwidth
10609     \kern2.6\p@}
10610 \renewcommand\right@footnoterule{%
10611     \kern-3\p@
10612     \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
10613     \kern2.6\p@}
10614 \renewenvironment{thebibliography}[1]
10615     {\chapter*{\bibname
10616     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
10617     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
10618     \bidi@thebibliography@font@hook%
10619     \list{\@biblabel{\@arabic\c@enumiv}}%
10620         {\settowidth\labelwidth{\@biblabel{#1}}%
10621         \leftmargin\labelwidth
10622         \advance\leftmargin\labelsep
10623         \@openbib@code
10624         \usecounter{enumiv}%
10625         \let\p@enumiv\@empty
10626         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
10627     \sloppy\clubpenalty4000\widowpenalty4000%
10628     \sfcode`.\@m}
10629     {\def\@noitemerr
10630     {\@latex@warning{Empty `thebibliography' environment}}%
10631     \endlist}
10632     \if@titlepage

```



```

10633 \renewcommand\maketitle{\begin{titlepage}%
10634 \let\footnotesize\small
10635 \let\right@footnoterule\relax
10636 \let\left@footnoterule\relax
10637 \let\textwidth@footnoterule\relax
10638 \let \footnote \thanks
10639 \null\vfil
10640 \vskip 60\p@
10641 \begin{center}%
10642   {\LARGE \@title \par}%
10643   \vskip 3em%
10644   {\large
10645     \lineskip .75em%
10646     \begin{tabular}[t]{c}%
10647       \@author
10648     \end{tabular}\par}%
10649     \vskip 1.5em%
10650     {\large \@date \par}%           % Set date in \large size.
10651 \end{center}\par
10652 \@thanks
10653 \vfil\null
10654 \end{titlepage}%
10655 \setcounter{footnote}{0}%
10656 \global\let\thanks\relax
10657 \global\let\maketitle\relax
10658 \global\let\@thanks\@empty
10659 \global\let\@author\@empty
10660 \global\let\@date\@empty
10661 \global\let\@title\@empty
10662 \global\let\title\relax
10663 \global\let\author\relax
10664 \global\let\date\relax
10665 \global\let\and\relax
10666 }
10667 \else
10668 \renewcommand\maketitle{\par
10669   \begingroup
10670     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
10671     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
10672     \long\def\@makefntext##1{\parindent 1em\noindent
10673       \hb@xt@1.8em{%
10674         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
10675     \if@twocolumn
10676       \ifnum \col@number=\@ne
10677         \@maketitle
10678       \else
10679         \twocolumn[\@maketitle]%
10680       \fi
10681     \else
10682       \newpage

```



```

10683     \global\@topnum\z@    % Prevents figures from going at top of page.
10684     \@maketitle
10685     \fi
10686     \thispagestyle{plain}\@thanks
10687 \endgroup
10688 \setcounter{footnote}{0}%
10689 \global\let\thanks\relax
10690 \global\let\maketitle\relax
10691 \global\let\@maketitle\relax
10692 \global\let\@thanks\@empty
10693 \global\let\@author\@empty
10694 \global\let\@date\@empty
10695 \global\let\@title\@empty
10696 \global\let\title\relax
10697 \global\let\author\relax
10698 \global\let\date\relax
10699 \global\let\and\relax
10700 }
10701 \def\@maketitle{%
10702   \newpage
10703   \null
10704   \vskip 2em%
10705   \begin{center}%
10706     \let \footnote \thanks
10707     {\LARGE \@title \par}%
10708     \vskip 1.5em%
10709     {\large
10710       \lineskip .5em%
10711       \begin{tabular}[t]{c}%
10712         \@author
10713       \end{tabular}\par}%
10714     \vskip 1em%
10715     {\large \@date}%
10716   \end{center}%
10717   \par
10718   \vskip 1.5em}
10719 \fi
10720 \renewcommand\thesection    {\thechapter\@SepMark\@arabic\c@section}
10721 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\csubsection}
10722 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\csubsubsection}
10723 \renewcommand\theparagraph  {\thesubsubsection\@SepMark\@arabic\cparagraph}
10724 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\csubparagraph}
10725 \renewcommand\theequation{%
10726   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
10727 \renewcommand\thefigure{%
10728   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
10729 \renewcommand\thetable{%
10730   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}

```



## 56 File fancybox-xetex-bidi.def

```

10731 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package]
10732 \def\fancy@oval#1#2#3{%
10733   \boxmaxdepth \maxdimen
10734   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
10735   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%
10736   \@ovxx#1\relax
10737   \advance\@ovxx-\@wholewidth
10738   \@ovyy#2\relax
10739   \advance\@ovyy-\@wholewidth
10740   \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
10741   \advance\@tempdimb-2\p@
10742   \ifdim\@tempdimb>\the@cornersize\relax
10743     \@tempdimb=\the@cornersize
10744   \fi
10745   \@getcirc\@tempdimb
10746   \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
10747   \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
10748   \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
10749   \@circlefnt
10750   \setbox\@tempboxa\hbox{\beginL%
10751     \if@ovr \@ovvert32\kern -\@tempdima \fi
10752     \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
10753     \if@ovt \@ovhorz \kern -\@ovxx \fi
10754     \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
10755   \advance\@ovdx\@ovro
10756   \advance\@ovdy\@ovro
10757   \advance\@ovxx\@wholewidth
10758   \wd\@tempboxa=\@ovxx
10759   \dp\@tempboxa=\z@}

```

## 57 File fancyhdr-xetex-bidi.def

```

10760 \ProvidesFile{fancyhdr-xetex-bidi.def}[2018/02/15 v0.7 bidi adaptations for fancyhdr package]
10761
10762 \let\f@nch@everypar\everypar
10763
10764 \def\f@nch@head#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10765   \f@nch@vbox\headheight{\hbox
10766     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright#2}}\hfill
10767     \parbox[b]{\headwidth}{\centering#3}\hfill
10768     \llap{\parbox[b]{\headwidth}{\bidi@raggedleft#4}}}\headrule}}#5}
10769
10770 \def\f@nch@foot#1#2#3#4#5{#1\hbox to\headwidth{\f@nch@reset
10771   \f@nch@vbox\footskip{\footrule
10772     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright#2}}\hfill
10773     \parbox[t]{\headwidth}{\centering#3}\hfill
10774     \llap{\parbox[t]{\headwidth}{\bidi@raggedleft#4}}}\footrule}}#5}
10775

```



## 58 File fix2col-xetex-bidi.def

```

10776 \ProvidesFile{fix2col-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for fix2col package for
10777 \def\RTL@outputdblcol{%
10778   \if@firstcolumn
10779     \global\@firstcolumnfalse
10780     \global\setbox\@leftcolumn\copy\@outputbox
10781     \splitmaxdepth\maxdimen
10782     \vbadness\maxdimen
10783     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10784     \toks@\expandafter{\topmark}%
10785     \xdef\@firstcoltopmark{\the\toks@}%
10786     \toks@\expandafter{\splitfirstmark}%
10787     \xdef\@firstcolfirstmark{\the\toks@}%
10788     \ifx\@firstcolfirstmark\@empty
10789       \global\let\@setmarks\relax
10790     \else
10791       \gdef\@setmarks{%
10792         \let\firstmark\@firstcolfirstmark
10793         \let\topmark\@firstcoltopmark}%
10794     \fi
10795 \else \global\@firstcolumntrue
10796 \setbox\@outputbox \vbox {\hbox to\textwidth {%
10797 \hskip \columnwidth
10798 \hfil \vrule width\columnseprule \hfil
10799 \hbox to\columnwidth {%
10800 \bidi@firstcolumn@status@write%
10801 \box\@leftcolumn \hss}%
10802 \hskip -\textwidth
10803 \hbox to\columnwidth{%
10804 \bidi@lastcolumn@status@write%
10805 \box\@outputbox \hss}%
10806 \hskip \columnsep
10807 \hskip \columnwidth }}}%
10808 \@combinedblfloats \setmarks \@outputpage
10809 \begingroup \@dblfloatplacement \@startdblcolumn
10810 \@whiles\if@fcolmade \fi
10811 {\@outputpage \@startdblcolumn }\endgroup
10812 \fi}
10813 \def\LTR@outputdblcol{%
10814   \if@firstcolumn
10815     \global\@firstcolumnfalse
10816     \global\setbox\@leftcolumn\copy\@outputbox
10817     \splitmaxdepth\maxdimen
10818     \vbadness\maxdimen
10819     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
10820     \toks@\expandafter{\topmark}%
10821     \xdef\@firstcoltopmark{\the\toks@}%
10822     \toks@\expandafter{\splitfirstmark}%
10823     \xdef\@firstcolfirstmark{\the\toks@}%

```





```

10824 \ifx\@firstcolfirstmark\@empty
10825 \global\let\@setmarks\relax
10826 \else
10827 \gdef\@setmarks{%
10828 \let\firstmark\@firstcolfirstmark
10829 \let\topmark\@firstcoltopmark}%
10830 \fi
10831 \else
10832 \global\@firstcolumntrue
10833 \setbox\@outputbox\vbox{%
10834 \hb@xt@\textwidth{%
10835 \hb@xt@\columnwidth{%
10836 \bidi@firstcolumn@status@write%
10837 \box\@leftcolumn \hss}%
10838 \hfil
10839 \vrule \@width\columnseprule
10840 \hfil
10841 \hb@xt@\columnwidth{%
10842 \bidi@lastcolumn@status@write%
10843 \box\@outputbox \hss}}}%
10844 \@combinedblfloats
10845 \setmarks
10846 \outputpage
10847 \begingroup
10848 \dblfloatplacement
10849 \startdblcolumn
10850 \@whiles\if@colmade \fi{\@outputpage\startdblcolumn}%
10851 \endgroup
10852 \fi}

```

## 59 File fleqn-xetex-bidi.def

```

10853 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX]
10854 \renewcommand\[{ \relax
10855 \ifmmode\@badmath
10856 \else
10857 \begin{trivlist}%
10858 \beginparpenalty\predisplaypenalty
10859 \endparpenalty\postdisplaypenalty
10860 \item[]\leavevmode
10861 \hb@xt@\linewidth\group \beginL$\m@th\displaystyle %$
10862 \hskip\mathindent\group
10863 \fi}
10864 \renewcommand\]{ \relax
10865 \ifmmode
10866 \egroup $\hfil% $
10867 \endL\egroup
10868 \end{trivlist}%
10869 \else \@badmath
10870 \fi}

```



```

10871 \renewenvironment{equation}%
10872   {\@beginparpenalty\predisplaypenalty
10873    \@endparpenalty\postdisplaypenalty
10874    \refstepcounter{equation}%
10875    \trivlist \item[]\leavevmode
10876     \hb@xt@\linewidth\bgroup\beginL $\m@th% $
10877     \displaystyle
10878     \hskip\mathindent}%
10879   {$\hfil % $
10880    \displaywidth\linewidth\hbox{\@eqnnum}%
10881    \endL\egroup
10882   \endtrivlist}

```

## 60 File float-xetex-bidi.def

```

10883 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for Xe
10884 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@font #1:} #2}%
10885 \ifdim\wd\@tempboxa>\hsize {\@fs@font #1:} #2\par
10886   \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
10887 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]%
10888   \expandafter\edef\csname the#1\endcsname{%
10889     \expandafter\noexpand\csname
10890       the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
10891   {\PackageWarning{float}{Can't redefine counter variable for #1.}}}

```

## 61 File floatrow-xetex-bidi.def

```

10892 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package
10893 \renewcommand\flnew@within[1]{\@addtoreset{FB@capttype}{#1}%
10894   \expandafter\edef\csname the\FB@capttype\endcsname{%
10895     \expandafter\noexpand\csname
10896       the#1\endcsname\@SepMark\noexpand\arabic{\FB@capttype}}}

```

## 62 File flowfram-xetex-bidi.def

```

10897 \ProvidesFile{flowfram-xetex-bidi.def}[2018/02/22 v0.3 bidi adaptations for flowfram package
10898 \def\@outputdblcol{%
10899   \@nxtcol=\c@thisframe
10900   \c@curpg=\c@page
10901   \@g@tnxtcol{\@nxtcol}%
10902   \ifff@nwpg % next flow frame starts on new page
10903     \global\@firstcolumntrue
10904     \@setcolbox\c@thisframe
10905     \if@specialpage
10906       \global\@specialpagefalse
10907       \@nameuse{ps@\@specialstyle}\relax
10908     \fi
10909     \if@twoside
10910       \ifodd\count\z@
10911         \let\@thehead\@oddhead

```



```

10912     \let\@thefoot\@oddfoot
10913   \else
10914     \let\@thehead\@evenhead
10915     \let\@thefoot\@evenfoot
10916   \fi
10917 \else
10918   \let\@thehead\@oddhead
10919   \let\@thefoot\@oddfoot
10920 \fi
10921 \@beginarvi
10922 \@dynamicthehead\@dynamicthefoot
10923 \vbadness=\@M
10924 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}}%
10925 \@combinedblfloats
10926 \@outputpage
10927 \advance\c@curpg by -\c@page\relax
10928 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
10929   \setbox\@outputbox\vbox{\hbox to \textwidth{\@ffdo@allframes}}}%
10930 \@outputpage}
10931 \begingroup
10932   \@dblfloatplacement
10933   \@startdblcolumn
10934   \@whilesw \if@fcolmade \fi
10935     {\@outputpage \@startdblcolumn }\endgroup
10936 \@resetst@tics
10937 \@resetdyn@mics
10938 \else % still on same page, save contents of box255
10939   \global\@firstcolumnfalse
10940   \@setcolbox\c@thisframe
10941 \fi
10942 \global\c@thisframe=\@nxtcol
10943 \@setcol{\c@thisframe}\relax
10944 \global\@colht\vsz
10945 }
10946 \def\@outputpage{%
10947 \begingroup
10948   \let\protect\noexpand
10949   \@resetactivechars
10950   \global\let\@@if@newlist@if@newlist
10951   \global\@newlistfalse\@parboxrestore
10952   \global\let\@bidi@BeforeOutputPageShipOut\@firstofone
10953   \bidi@beforeoutputpageshipouthook
10954   \shipout\vbox{\set@typeset@protect
10955     \aftergroup
10956     \endgroup
10957     \aftergroup
10958     \set@typeset@protect
10959     \reset@font\normalsize\normalsfcodes
10960     \let\label\@gobble
10961     \let\index\@gobble

```



```

10962 \let\glossary@gobble
10963 \baselineskip\z@skip
10964 \lineskip\z@skip
10965 \lineskiplimit\z@
10966 \vskip\topmargin\moveright\@themargin
10967 \vbox{%
10968   \global\let\bidibeforeheader\@firstofone
10969   \bidibeforeheaderhook
10970   \vskip\headheight
10971   \vskip\headsep
10972   \global\let\bidibeforeoutputbox\@firstofone
10973   \bidibeforeoutputboxoutputpagehook
10974   \box\@outputbox
10975   \global\let\bidiafteroutputbox\@firstofone
10976   \bidiafteroutputboxoutputpagehook
10977   \ifvoid\@bidicopyins@
10978   \else
10979     \vskip\skip\@bidicopyins@
10980     \unvbox\@bidicopyins@
10981   \fi
10982 }}%
10983 \global\let\bidiafteroutputpageshipout\@firstofone
10984 \bidiafteroutputpageshipouthook
10985 \global\let\ifnewlist\@ifnewlist
10986 \stepcounter{page}%
10987 \setcounter{displayedframe}{0}%
10988 \let\firstmark\botmark
10989 \global\let\bidiatendoutputpage\@firstofone
10990 \bidiatendoutputpagehook
10991 }
10992
10993
10994 \newcommand*\bidis@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
10995 \expandafter\bidicolor\ff@txtcol}}
10996
10997 \newcommand{\bidiff@box}[3]{\@ffbackground{\vbox to#2
10998 {\hb@xt@ #1{\hss{\bidis@tfftextcol #3}\hss}\vss\kern\z@}}}%
10999
11000
11001 \renewcommand*\@docolbox[1]{%
11002 \edef\ff@frametype{%
11003 \csname @ff@frametype@\romannumeral#1\endcsname}%
11004 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
11005 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
11006 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
11007 \@ff@setoffset{#1}%
11008 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
11009 \ifthenelse{\boolean{columnframe}\romannumeral#1}}{%
11010 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
11011 {\csname colheight\romannumeral#1\endcsname}{%

```



```

11012 \expandafter\box\csname column\romannumeral#1\endcsname}{%
11013 \csname\ff@frametype\endcsname}%
11014 }{%
11015 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
11016 {\csname colheight\romannumeral#1\endcsname}{%
11017 \expandafter\box\csname column\romannumeral#1\endcsname}%
11018 }}}
11019 \@ifclassloaded{book}{%
11020 \renewcommand\theequation
11021   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11022 \renewcommand \thefigure
11023   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11024 \renewcommand \thetable
11025   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11026 \renewcommand \thechapter {\@arabic\c@chapter}
11027 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11028 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11029 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11030 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11031 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11032 \@ifclassloaded{report}{%
11033 \renewcommand\theequation
11034   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11035 \renewcommand \thefigure
11036   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
11037 \renewcommand \thetable
11038   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
11039 \renewcommand \thechapter {\@arabic\c@chapter}
11040 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
11041 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
11042 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
11043 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
11044 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
11045 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
11046 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}}%
11047 \else
11048 #2\relax
11049 \fi}

```

## 63 File footnote-xetex-bidi.def

```

11050 \ProvidesFile{footnote-xetex-bidi.def}[2017/08/09 v1.1 bidi footnote macros for XeTeX engine]
11051 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
11052 \newif\ifbidi@autofooterule
11053 \def\bidi@mpfootnoterule{\footnoterule}
11054 \newcounter{footdir@label}
11055 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
11056 \newcommand*{\footdir@write}{%
11057   \stepcounter{footdir@label}%
11058   \zref@labelbyprops{\thefootdir@label}{abspage}%

```



```

11059 }
11060 \newif\iffootdir@debug
11061 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
11062 \newtoks\footdir@toks
11063 \newcommand*{\footdir@debug}[1]{%
11064   \iffootdir@debug
11065     \typeout{\footdir] #1}%
11066   \fi
11067 }
11068 %\@ifpackagelater{zref-abspage}{2012/10/27}{%
11069 %   \newcommand*{\footdir@LeftRightElse}{%
11070 %     \ltx@ifundefined{footdir@the\value{zabspage}}{%
11071 %       \footdir@debug{abspage \the\value{zabspage}: else}%
11072 %       \ltx@thirdofthree
11073 %     }{%
11074 %       \if\csname footdir@the\value{zabspage}\endcsname L%
11075 %         \footdir@debug{abspage \the\value{zabspage}: left}%
11076 %         \expandafter\ltx@firstofthree
11077 %       \else
11078 %         \footdir@debug{abspage \the\value{zabspage}: right}%
11079 %         \expandafter\ltx@secondofthree
11080 %       \fi
11081 %     }%
11082 %   }%
11083 %}{%
11084   \providecommand*{\c@zabspage}{\c@abspage}%
11085   \newcommand*{\footdir@LeftRightElse}{%
11086     \footdir@write
11087     \zifrefundefined{\thefootdir@label}{%
11088       \footdir@debug{abspage ??: else}%
11089       \ltx@thirdofthree
11090     }{%
11091       \edef\footdir@abspage{%
11092         \zref@extractdefault{\thefootdir@label}{abspage}{0}%
11093       }%
11094       \ltx@ifundefined{footdir@\footdir@abspage}{%
11095         \footdir@debug{\footdir@abspage: else}%
11096         \ltx@thirdofthree
11097       }{%
11098         \if\csname footdir@\footdir@abspage\endcsname L%
11099           \footdir@debug{\footdir@abspage: left}%
11100           \expandafter\ltx@firstofthree
11101         \else
11102           \footdir@debug{\footdir@abspage: right}%
11103           \expandafter\ltx@secondofthree
11104         \fi
11105       }%
11106     }%
11107   }%
11108 %}

```



```

11109 \newcommand*{\footdir@fntext}[1]{%
11110   \zifrefundefined{\thefootdir@label}{%
11111     }{%
11112       \edef\footdir@name{%
11113         footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
11114       }%
11115       \@ifundefined{\footdir@name}{%
11116         \expandafter\gdef\csname\footdir@name\endcsname{#1}%
11117       }{}%
11118     }%
11119 }
11120
11121 \newcommand*{\footdir@temp}[3]{%
11122   \@ifdefinable{#1}{%
11123     \let#1#2%
11124     \renewcommand{#2}[1]{%
11125       \footdir@write
11126       \footdir@fntext{#3}%
11127       \stepcounter{footdir@label}%
11128       \footdir@fntext{#3}%
11129       \footdir@toks{##1}%
11130       \footdir@toks\expandafter{%
11131         \the\expandafter\footdir@toks
11132         \expandafter
11133         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
11134       }%
11135       \expandafter#1\expandafter{\the\footdir@toks}%
11136     }%
11137   }%
11138 }
11139
11140 \def\right@footnoterule{%
11141   \kern-3\p@
11142   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
11143   \kern2.6\p@}
11144 \def\left@footnoterule{\kern-3\p@
11145   \hrule \@width .4\columnwidth \kern 2.6\p@}
11146 \def\textwidth@footnoterule{\kern-3\p@
11147   \hrule \@width \columnwidth \kern 2.6\p@}
11148 \def\leftfootnoterule{%
11149   \bidi@autofootnoterulefalse%
11150   \def\footnoterule{\left@footnoterule}}
11151 \let\LRfootnoterule=\leftfootnoterule
11152 \def\rightfootnoterule{%
11153   \bidi@autofootnoterulefalse%
11154   \def\footnoterule{\right@footnoterule}}
11155 \def\textwidthfootnoterule{%
11156   \bidi@autofootnoterulefalse%
11157   \def\footnoterule{\textwidth@footnoterule}}
11158

```



```

11159
11160
11161 \def\auto@footnoterule{%
11162 \footdir@LeftRightElse%
11163 \left@footnoterule%
11164 \right@footnoterule%
11165 \left@footnoterule%
11166 }
11167
11168
11169
11170 \def\autofootnoterule{%
11171 \bidi@autofootnoteruletrue%
11172 \def\footnoterule{\auto@footnoterule}%
11173 }
11174
11175 \newcommand*{\SplitFootnoteRule}{%
11176 \gdef\split@prev{0}
11177 \let\pagefootnoterule\footnoterule
11178 \let\mpfootnoterule\footnoterule
11179 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
11180 \def\footnoterule{\relax
11181 \ifx \@listdepth\@mplistdepth
11182 \mpfootnoterule
11183 \else
11184 \ifnum\split@prev=\z@
11185 \pagefootnoterule
11186 \else
11187 \splitfootnoterule
11188 \fi
11189 \xdef\split@prev{\the\insertpenalties}%
11190 \fi
11191 }%
11192 }
11193
11194
11195
11196
11197 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn
11198 \protected@xdef\@thefnmark{\thempfn}%
11199 \@footnotemark\@RTLfootnotetext}}
11200 \def\@xRTLfootnote[#1]{%
11201 \begingroup
11202 \csname c@\@mpfn\endcsname #1\relax
11203 \unrestored@protected@xdef\@thefnmark{\thempfn}%
11204 \endgroup
11205 \@footnotemark\@RTLfootnotetext}
11206 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
11207 \protected@xdef\@thefnmark{\thempfn}%
11208 \@footnotemark\@LTRfootnotetext}}

```





```

11209 \def\xLTRfootnote[#1]{%
11210   \begingroup
11211     \csname c@\mpfn\endcsname #1\relax
11212     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11213   \endgroup
11214   \@footnotemark\xLTRfootnotetext}
11215
11216
11217 \def\setfootnoteRL{\@RTL@footnotetrue}
11218 \def\unsetfootnoteRL{\@RTL@footnotefalse}
11219 \def\setfootnoteLR{\unsetfootnoteRL}
11220
11221 \newcommand*{\bidi@footnotetext@font}{\footnotesize}
11222 \newcommand*{\bidi@LTRfootnotetext@font}{\footnotesize}
11223 \newcommand*{\bidi@RTLfootnotetext@font}{\footnotesize}
11224
11225 \long\def\@footnotetext#1{\insert\footins{%
11226   \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11227   \reset@font%
11228   \bidi@footnotetext@font% \reset@font\footnotesize
11229   \interlinepenalty\interfootnotelinepenalty
11230   \splittopskip\footnotesep
11231   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11232   \hsize\columnwidth \@parboxrestore
11233   \protected@edef\@currentlabel{%
11234     \csname p@footnote\endcsname\@thefnmark
11235   }%
11236   \color@begingroup
11237     \@makefntext{%
11238       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11239   \color@endgroup}}%
11240
11241
11242 \long\def\@RTLfootnotetext#1{\insert\footins{%
11243   \@RTLtrue%
11244   \reset@font%
11245   \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11246   \interlinepenalty\interfootnotelinepenalty
11247   \splittopskip\footnotesep
11248   \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11249   \hsize\columnwidth \@parboxrestore
11250   \protected@edef\@currentlabel{%
11251     \csname p@footnote\endcsname\@thefnmark
11252   }%
11253   \color@begingroup
11254     \@makefntext{%
11255       \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11256   \color@endgroup}}%
11257
11258 \long\def\@LTRfootnotetext#1{\insert\footins{%

```



```

11259 \RTLfalse%
11260 \reset@font%
11261 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11262 \interlinepenalty\interfootnotelinepenalty
11263 \splittopskip\footnotesep
11264 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
11265 \hsize\columnwidth \@parboxrestore
11266 \protected@edef\@currentlabel{%
11267 \csname p@footnote\endcsname\@thefnmark
11268 }%
11269 \color@begingroup
11270 \makefnintext{%
11271 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11272 \color@endgroup}}%
11273
11274 \AtBeginDocument{%
11275 \if@RTL@footnote
11276 \newcommand*{\bidi@footdir@footnote}{R}
11277 \else
11278 \newcommand*{\bidi@footdir@footnote}{L}
11279 \fi%
11280 }
11281
11282 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
11283 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
11284 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%
11285
11286 \long\def\@mpRTLfootnotetext#1{%
11287 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnot
11288 \global\setbox\@mpfootins\vbox{\@RTLtrue%
11289 \unvbox\@mpfootins
11290 \reset@font%
11291 \bidi@RTLfootnotetext@font% \reset@font\footnotesize
11292 \hsize\columnwidth
11293 \@parboxrestore
11294 \protected@edef\@currentlabel
11295 {\csname p@mpfootnote\endcsname\@thefnmark}%
11296 \color@begingroup
11297 \makefnintext{%
11298 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11299 \color@endgroup}}
11300 \long\def\@mpLTRfootnotetext#1{%
11301 \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnot
11302 \global\setbox\@mpfootins\vbox{\@RTLfalse%
11303 \unvbox\@mpfootins
11304 \reset@font%
11305 \bidi@LTRfootnotetext@font% \reset@font\footnotesize
11306 \hsize\columnwidth
11307 \@parboxrestore
11308 \protected@edef\@currentlabel

```



```

11309         {\csname p@mpfootnote\endcsname\@thefnmark}%
11310     \color@begingroup
11311     \@makefntext{%
11312         \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11313     \color@endgroup}}
11314 \long\def\@mpfootnotetext#1{%
11315     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@one\ifRTL@footnote\global\let\@bidi@mpfootnoterule
11316     \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
11317         \unvbox\@mpfootins
11318         \reset@font%
11319         \bidi@footnotetext@font% \reset@font\footnotesize
11320         \hsize\columnwidth
11321         \@parboxrestore
11322         \protected@edef\@currentlabel
11323             {\csname p@mpfootnote\endcsname\@thefnmark}%
11324         \color@begingroup
11325         \@makefntext{%
11326             \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
11327         \color@endgroup}}
11328 \def\@iiiminipage#1#2[#3]#4{%
11329     \leavevmode
11330     \@pboxswfalse
11331     \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
11332     \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
11333     \setlength\@tempdima{#4}%
11334     \def\@mpargs{#1}#2[#3]#4}%
11335     \setbox\@tempboxa\vbox\bgroup
11336         \color@begingroup
11337         \hsize\@tempdima
11338         \textwidth\hsize \columnwidth\hsize
11339         \@parboxrestore
11340         \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
11341         \let\@footnotetext\@mpfootnotetext
11342         \let\@LTRfootnotetext\@mpLTRfootnotetext
11343         \let\@RTLfootnotetext\@mpRTLfootnotetext
11344         \let\@listdepth\@mplistdepth \@mplistdepth\z@
11345         \@minipagerestore
11346         \@setminipage}
11347 \def\endminipage{%
11348     \par
11349     \unskip
11350     \ifvoid\@mpfootins\else
11351         \vskip\skip\@mpfootins
11352         \normalcolor
11353         \bidi@mpfootnoterule
11354         \unvbox\@mpfootins
11355     \fi
11356     \@minipagefalse    %% added 24 May 89
11357 \color@endgroup
11358 \egroup

```



```

11359 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
11360 \def\LTRthanks#1{\footnotemark
11361   \protected@xdef\@thanks{\@thanks
11362     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
11363 }
11364 \def\LTRfootnotetext{%
11365   \ifnextchar [\@xLTRfootnotenext
11366     {\protected@xdef\@thefnmark{\thempfn}%
11367     \@LTRfootnotetext}}
11368 \def\@xLTRfootnotenext[#1]{%
11369   \begingroup
11370     \csname c@\mpfn\endcsname #1\relax
11371     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11372   \endgroup
11373   \@LTRfootnotetext}
11374 \def\RTLthanks#1{\footnotemark
11375   \protected@xdef\@thanks{\@thanks
11376     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
11377 }
11378 \let\@thanks\@empty
11379 \def\RTLfootnotetext{%
11380   \ifnextchar [\@xRTLfootnotenext
11381     {\protected@xdef\@thefnmark{\thempfn}%
11382     \@RTLfootnotetext}}
11383 \def\@xRTLfootnotenext[#1]{%
11384   \begingroup
11385     \csname c@\mpfn\endcsname #1\relax
11386     \unrestored@protected@xdef\@thefnmark{\thempfn}%
11387   \endgroup
11388   \@RTLfootnotetext}
11389 \leftfootnoterule

```

## 64 File framed-xetex-bidi.def

```

11390 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for X
11391 \renewcommand\TitleBarFrame[3][\begingroup
11392   \ifx\delimiter#1\delimiter
11393     \let\TF@conlab\@empty
11394   \else
11395     \def\TF@conlab{% continuation label
11396       \nointerlineskip
11397       \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
11398   \fi
11399   %\let\TF@savecolor\current@color
11400   \textcolor{TFFrameColor}{%
11401     \CustomFBox
11402     {\TF@Title{#2}}{\TF@conlab}%
11403     \fboxrule\fboxrule\fboxrule\fboxrule
11404     %{\let\current@color\TF@savecolor\set@color #3}%
11405     {\normalcolor #3}%

```



```

11406 } \endgroup
11407 }
11408 \renewenvironment{titled-frame}[1]{%
11409   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
11410     \TitleBarFrame{\textbf{#1}}}%
11411   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
11412     \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1}}}%
11413   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
11414     \TitleBarFrame[ $\if@RTL\blacktriangleleft\else\blacktriangleright\fi$ ]{\textbf{#1\ (cont)}}}%
11415   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
11416     \TitleBarFrame{\textbf{#1\ (cont)}}}%
11417   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
11418 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
11419 % could interfere with the width measurement.
11420 {\endMakeFramed}
11421 \chardef\FrameRestore=\catcode`\| % for debug
11422 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
11423 \def\fb@put@frame#1#2{\relax
11424   \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
11425   | \message{===== Entering putframe =====^~J
11426   | \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
11427   \ifinner
11428     \fb@putboxa#1%
11429     \fb@afterframe
11430   \else
11431     \dimen@ \pagegoal \advance\dimen@-\pagetotal % natural space left on page
11432     \ifdim\dimen@<2\baselineskip % Too little room on page
11433     | \message{Page has only \the\dimen@ space room left; eject. }%
11434     \eject \fb@adjheight \fb@put@frame#1#2%
11435     \else % there's appreciable room left on the page
11436       \fb@sizeofframe#1%
11437       | \message{\string\pagetotal=\the\pagetotal,
11438       | \string\pagegoal=\the\pagegoal,
11439       | \string\pagestretch=\the\pagestretch,
11440       | \string\pageshrink=\the\pageshrink,
11441       | \string\fb@frh=\the\fb@frh. \space}
11442       | \message{^^JBox of size \the\ht\@tempboxa\space}%
11443       \begingroup % temporarily set \dimen@ to be...
11444       \advance\dimen@.8\pageshrink % maximum space available on page
11445       \advance\dimen@-\fb@frh\relax % max space available for frame's contents
11446 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
11447       \expandafter\endgroup
11448       % expand \ifdim, then restore \dimen@ to real room left on page
11449       \ifdim\dimen@>\ht\@tempboxa % whole box does fit
11450       | \message{fits in \the\dimen@. }%
11451       % ToDo: Change this to use vsplit anyway to capture the marks
11452       % MERGE THIS WITH THE else CLAUSE!!!
11453       \fb@putboxa#1%
11454       \fb@afterframe
11455       \else % box must be split

```



```

11456 | \message{must be split to fit in \the\dimen@.}%
11457 | % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
11458 | \fb@sizeofframe#2%
11459 | \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
11460 |     \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
11461 |     \kern137sp\kern-137sp\penalty-30
11462 |     \unvbox\@tempboxa}%
11463 | \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
11464 |     \splittopskip\the\splittopskip}%
11465 | \boxmaxdepth\z@ \splittopskip\z@
11466 | \message{^^J Padded box of size \the\ht\@tempboxa space split to \the\dimen@}%
11467 | % Split box here
11468 | \setbox\tw@vsplit\@tempboxa to\dimen@
11469 | \toks99\expandafter{\splitfirstmark}%
11470 | \toks98\expandafter{\splitbotmark}%
11471 | \message{Marks are: \the\toks99, \the\toks98.}%
11472 | \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
11473 | \message{Natural height of split box is \the\ht\tw@, leaving
11474 |     \the\ht\@tempboxa space remainder.}%
11475 | % If the split-to size > (\vsize-\topskip), then set box to full size.
11476 | \begingroup
11477 | \advance\dimen@\topskip
11478 | \expandafter\endgroup
11479 | \ifdim\dimen@>\pagegoal
11480 |     \message{Frame is big -- Use up the full column.}%
11481 |     \dimen@ii\pagegoal
11482 |     \advance\dimen@ii -\topskip
11483 |     \advance\dimen@ii \FrameHeightAdjust\relax
11484 | \else % suspect this is implemented incorrectly:
11485 |     % If the split-to size > feasible room_on_page, rebox it smaller.
11486 |     \advance\dimen@.8\pageshrink
11487 |     \ifdim\ht\tw@>\dimen@
11488 |         \message{Box too tall; rebox it to \the\dimen@.}%
11489 |         \dimen@ii\dimen@
11490 |     \else % use natural size
11491 |         \dimen@ii\ht\tw@
11492 |     \fi
11493 | \fi
11494 | % Re-box contents to desired size \dimen@ii
11495 | \advance\dimen@ii -\fb@frh
11496 | \setbox\tw@\vbox to\dimen@ii \bgroup
11497 | % remove simulated frame and page flexibility:
11498 | \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
11499 | \unvbox\tw@ \unpenalty\unpenalty
11500 | \ifdim\lastkern=-137sp % whole box went to next page
11501 |     \message{box split at beginning!}%
11502 |     % need work here???
11503 |     \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
11504 |     \fb@adjheight
11505 |     \fb@put@frame#1#2% INSERTED ???

```



```

11506         \else % Got material split off at the head
11507             \egroup \fb@resto@set
11508             \ifvoid\@tempboxa % it all fit after all
11509 |             \message{box split at end! }%
11510             \setbox\@tempboxa\box\tw@
11511             \fb@putboxa#1%
11512             \fb@afterframe
11513         \else % it really did split
11514 |             \message{box split as expected. Its reboxed height is \the\ht\tw@.}%
11515             \ifdim\wd\tw@>\z@
11516                 \wd\tw@\wd\@tempboxa
11517                 \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
11518             \else
11519 |             \message{Zero width means likely blank. Don't frame it (guess)}%
11520                 \box\tw@
11521             \fi
11522             \hrule \@height\z@ \@width\hsize
11523             \eject
11524             \fb@adjheight
11525             \fb@put@frame\LastFrameCommand\MidFrameCommand
11526         \fi\fi\fi\fi\fi
11527 }
11528 \def\fb@putboxa#1{%
11529     \ifvoid\@tempboxa
11530         \PackageWarning{framed}{Boxa is void -- discard it.}%
11531     \else
11532 |         \message{Frame and place boxa.}%
11533 |         %{\showoutput\showbox\@tempboxa}%
11534         \centerline{#1{\hboxL{\box\@tempboxa}}}%
11535     \fi
11536 }
11537 \catcode`\|=\FrameRestore
11538 \def\FrameRestore{%
11539     \let\if@nobreak\iffalse
11540     \let\if@noskipsec\iffalse
11541     \let\-\@dischyp
11542     \let'\@acci\let\`\@accii\let\=\@acciii
11543     % \message{FrameRestore:
11544     %     \@totalleftmargin=\the \@totalleftmargin,
11545     %     \rightmargin=\the\rightmargin,
11546     %     \@listdepth=\the\@listdepth.}%
11547     % Test if we are in a list (or list-like paragraph)
11548     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
11549         \ifdim\rightmargin>\z@ 1\fi
11550         \ifnum\@listdepth>\z@ 1\fi 0>\z@
11551     %     \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
11552     %         \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
11553     %         \labelwidth=\the\labelwidth.}%
11554     \@setminipage % snug fit around the item
11555     % Now try to propagate changes of width from \hsize to list parameters.

```



```

11556 % This is deficient, but a more advanced way to indicate modification to text
11557 % dimensions is not (yet) provided; in particular, no separate left/right
11558 % adjustment.
11559 \advance\linewidth-\columnwidth \advance\linewidth\hsize
11560 \parshape\@ne \@totalleftmargin \linewidth
11561 \else % Not in list
11562 \linewidth=\hsize
11563 %\message{No list, set \string\linewidth=\the\hsize. }%
11564 \fi
11565 \sloppy
11566 }

```

## 65 File ftnright-xetex-bidi.def

```

11567 \ProvidesFile{ftnright-xetex-bidi.def}[2017/05/06 v0.5 bidi adaptations for ftnright package]
11568
11569 \def\LTR@outputdblcol{%
11570 \if@firstcolumn
11571 \global\@firstcolumnfalse
11572 \global\setbox\@leftcolumn\copy\@outputbox
11573 \global\count\footins\@m
11574 \global\skip\footins\rcol\footinsskip
11575 \splitmaxdepth\maxdimen
11576 \vbadness\maxdimen
11577 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11578 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11579 \toks@\expandafter{\topmark}%
11580 \xdef\@firstcoltopmark{\the\toks@}%
11581 \toks@\expandafter{\splitfirstmark}%
11582 \xdef\@firstcolfirstmark{\the\toks@}%
11583 \ifx\@firstcolfirstmark\@empty
11584 \global\let\@setmarks\relax
11585 \else
11586 \gdef\@setmarks{%
11587 \let\firstmark\@firstcolfirstmark
11588 \let\topmark\@firstcoltopmark}%
11589 \fi
11590 \else
11591 \preparefootins
11592 \global\@firstcolumntrue
11593 \setbox\@outputbox\vbox{%
11594 \hb@xt@\textwidth{%
11595 \hb@xt@\columnwidth{%
11596 \bidi@firstcolumn@status@write%
11597 \box\@leftcolumn \hss}%
11598 \hfil
11599 {\normalcolor\vrule \@width\columnseprule}%
11600 \hfil
11601 \hb@xt@\columnwidth{%
11602 \bidi@lastcolumn@status@write%

```





```

11603      \box\@outputbox \hss}}}%
11604 \@combinedblfloats
11605   \@setmarks
11606   \@outputpage
11607   \beginngroup
11608     \@dblfloatplacement
11609     \@startdblcolumn
11610     \@whilesw\if@fcolmade \fi{\@outputpage
11611       \@startdblcolumn}%
11612   \endgroup
11613 \fi}%
11614
11615
11616
11617 \def\RTL@outputdblcol{%
11618   \if@firstcolumn
11619     \global\@firstcolumnfalse
11620     \global\setbox\@leftcolumn\copy\@outputbox
11621     \global\count\footins\@m
11622     \global\skip\footins\rcol\footinsskip
11623     \splitmaxdepth\maxdimen
11624     \vbadness\maxdimen
11625     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
11626     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
11627     \toks@{\expandafter{\topmark}}%
11628     \xdef\@firstcoltopmark{\the\toks@}%
11629     \toks@{\expandafter{\splitfirstmark}}%
11630     \xdef\@firstcolfirstmark{\the\toks@}%
11631     \ifx\@firstcolfirstmark\@empty
11632       \global\let\@setmarks\relax
11633     \else
11634       \gdef\@setmarks{%
11635         \let\firstmark\@firstcolfirstmark
11636         \let\topmark\@firstcoltopmark}%
11637     \fi
11638   \else
11639     \preparefootins
11640     \global\@firstcolumntrue
11641     \setbox\@outputbox\vbox{%
11642       \hb@xt@\textwidth{%
11643         \hskip \columnwidth
11644         \hfil
11645         {\normalcolor\vrule \@width\columnseprule}%
11646         \hfil
11647         \hb@xt@\columnwidth{%
11648           \bidi@firstcolumn@status@write%
11649           \box\@leftcolumn \hss}%
11650         \hskip -\textwidth
11651         \hb@xt@\columnwidth{%
11652           \bidi@lastcolumn@status@write%

```



```

11653      \box\@outputbox \hss}%
11654      \hskip \columnsep
11655      \hskip \columnwidth }}%
11656 \@combinedblfloats
11657   \setmarks
11658   \outputpage
11659   \begingroup
11660     \dblfloatplacement
11661     \startdblcolumn
11662     \whiles\if@colmade \fi{\@outputpage
11663       \startdblcolumn}%
11664   \endgroup
11665 \fi}%
11666
11667
11668
11669 \let\leftfootnoterule\@empty
11670 \let\rightfootnoterule\@empty
11671 \let\textwidthfootnoterule\@empty
11672 \let\autofootnoterule\@empty
11673 \let\footnoterule\@empty
11674 \long\def\@makefntext#1{\parindent 1em
11675   \noindent\hbox to 2em{%
11676     \llap{\@thefnmark\hbox{.}\,.\,}\#1}

```

## 66 File graphicx-xetex-bidi.def

```

11677 \ProvidesFile{graphicx-xetex-bidi.def}[2017/06/17 v0.5 bidi adaptations for graphicx package]
11678 \def\Grot@box@std#1#2{\ifmmode\else\ifRTL\beginL\fi\fi%
11679   \Grot@setangle{#1}%
11680   \setbox\z@\hbox{\ifmmode\ifRTL\beginR\fi#2\ifRTL\endR\fi\else\ifRTL\beginR\fi#2\ifRTL\endR\fi}%
11681   \Grot@x\z@
11682   \Grot@y\z@
11683   \Grot@box\ifmmode\else\ifRTL\endL\fi\fi}
11684 \long\def\Grot@box@kv[#1]#2#3{\ifmmode\else\ifRTL\beginL\fi\fi%
11685   \@begin@tempboxa\hbox{\ifmmode\ifRTL\beginR\fi#3\ifRTL\endR\fi\else\ifRTL\beginR\fi#3\ifRTL\endR\fi}%
11686   \Grot@x\width \divide\Grot@x\tw@
11687   \Grot@y\height \advance\Grot@y-\depth \divide\Grot@y\tw@
11688   \setkeys{Grot}{#1}%
11689   \setbox\z@\box\@tempboxa
11690   \Grot@setangle{#2}%
11691   \Grot@box\ifmmode\else\ifRTL\endL\fi\fi
11692   \@end@tempboxa}
11693 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\ifRTL\beginL\fi\fi%
11694   \leavevmode
11695   \def\Gscale@x{#1}\def\Gscale@y{#2}%
11696   \setbox\z@\hbox{#3}%
11697   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11698   \ifdim#2\p<\z@
11699     \ht\tw@-#2\dp\z@

```



```

11700 \dp\tw@-#2\ht\z@
11701 \else
11702 \ht\tw@#2\ht\z@
11703 \dp\tw@#2\dp\z@
11704 \fi
11705 \ifdim#1\p@<\z@
11706 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11707 \else
11708 \wd\tw@#1\wd\z@
11709 \box\tw@
11710 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11711 \def\Gin@iii[#1,#2][#3,#4]#5{%
11712 \begingroup
11713 \ifmmode\else\if@RTL\beginL\fi\fi
11714 \Gin@bboxtrue
11715 \Gin@defaultbp\Gin@llx{#1}%
11716 \Gin@defaultbp\Gin@lly{#2}%
11717 \Gin@defaultbp\Gin@urx{#3}%
11718 \Gin@defaultbp\Gin@ury{#4}%
11719 \Gininclude@graphics{#5}%
11720 \ifmmode\else\if@RTL\endL\fi\fi
11721 \endgroup}
11722 \def\Gin@ii[#1]#2{%
11723 \def\@tempa{[]}\def\@tempb{#2}%
11724 \ifx\@tempa\@tempb
11725 \def\@tempa{\Gin@iii[#1] []}%
11726 \expandafter\@tempa
11727 \else
11728 \begingroup
11729 \ifmmode\else\if@RTL\beginL\fi\fi
11730 \@tempswafalse
11731 \toks@{\Gininclude@graphics{#2}}%
11732 \setkeys{Gin}{#1}%
11733 \Gin@esetsize
11734 \the\toks@
11735 \ifmmode\else\if@RTL\endL\fi\fi
11736 \endgroup
11737 \fi}
11738 \def\reflectbox{\bidiGscale@box-1[1]}
11739 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
11740 \leavevmode
11741 \def\Gscale@x{#1}\def\Gscale@y{#2}%
11742 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
11743 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
11744 \ifdim#2\p@<\z@
11745 \ht\tw@-#2\dp\z@
11746 \dp\tw@-#2\ht\z@
11747 \else
11748 \ht\tw@#2\ht\z@
11749 \dp\tw@#2\dp\z@

```



```

11750 \fi
11751 \ifdim#1\p@<\z@
11752 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
11753 \else
11754 \wd\tw@#1\wd\z@
11755 \box\tw@
11756 \fi\ifmmode\else\if@RTL\endL\fi\fi}
11757 \def\scalebox#1{%
11758 \ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}}
11759 \def\resizebox{%
11760 \leavevmode
11761 \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
11762 \def\bidiGscale@@box#1#2#3{%
11763 \let\@tempa\Gin@exclamation
11764 \expandafter\def\expandafter\@tempb\expandafter{\string#2}%
11765 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
11766 \ifx\@tempb\@tempa
11767 \ifx\@tempc\@tempa
11768 \toks@{\mbox}%
11769 \else
11770 \toks@{\bidiGscale@box@odd{#3}#1}%
11771 \fi
11772 \else
11773 \ifx\@tempc\@tempa
11774 \toks@{\bidiGscale@box@odd{#2}\width}%
11775 \else
11776 \toks@{\bidiGscale@box@dddd{#2}\width{#3}#1}%
11777 \fi
11778 \fi
11779 \the\toks@}
11780 \long\def\bidiGscale@box@odd#1#2#3{%
11781 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if
11782 \setlength\@tempdima{#1}%
11783 \setlength\@tempdimb{#2}%
11784 \Gscale@div\@tempa\@tempdima\@tempdimb
11785 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
11786 \@end@tempboxa}
11787 \long\def\bidiGscale@box@dddd#1#2#3#4#5{%
11788 \@begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if
11789 \setlength\@tempdima{#1}%
11790 \setlength\@tempdimb{#2}%
11791 \Gscale@div\@tempa\@tempdima\@tempdimb
11792 \setlength\@tempdima{#3}%
11793 \setlength\@tempdimb{#4}%
11794 \Gscale@div\@tempb\@tempdima\@tempdimb
11795 \ifGin@iso
11796 \ifdim\@tempa\p@>\@tempb\p@
11797 \let\@tempa\@tempb
11798 \else
11799 \let\@tempb\@tempa

```



```

11800     \fi
11801     \fi
11802     \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
11803     \@end@tempboxa}

```

## 67 File geometry-xetex-bidi.def

```

11804 \ProvidesFile{geometry-xetex-bidi.def}[2017/01/14 v0.2 bidi adaptations for geometry package]
11805 \renewcommand*{\Gm@vrules@mpi}{%
11806 \if@RTLmain%
11807     \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11808     \llap{\Gm@vrule}\ignorespaces
11809     \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11810     \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
11811 \else%
11812 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11813 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11814 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
11815 \renewcommand*{\Gm@vrules@mpii}{%
11816 \if@RTLmain%
11817 \hb@xt@\@tempdima{\llap{\Gm@vrule}\ignorespaces
11818 \hskip \textwidth\Gm@vrule\hskip \marginparsep
11819 \llap{\Gm@vrule}\hfil\Gm@vrule}%
11820 \else%
11821 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
11822 \llap{\Gm@vrule}\ignorespaces
11823 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
11824 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
11825 \bidi@patchcmd{\Gm@pageframes}{%
11826     \ifodd\count\z@
11827     \let\@themargin\oddsidemargin
11828     \else
11829     \let\@themargin\evensidemargin
11830     \fi
11831 }{%
11832     \ifodd\count\z@
11833     \if@RTLmain
11834     \let\@themargin\evensidemargin
11835     \else
11836     \let\@themargin\oddsidemargin
11837     \fi
11838     \else
11839     \if@RTLmain
11840     \let\@themargin\oddsidemargin
11841     \else
11842     \let\@themargin\evensidemargin
11843     \fi
11844     \fi
11845 }{}{}

```



## 68 File hvfloat-xetex-bidi.def

```

11846 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for
11847 \def\do@hvFloat[#1]#2#3{%
11848 \def\hv@shortCap{#1}
11849 \def\hv@longCap{#2}
11850 \def\hv@label{#3}
11851 %\newcommand*{\hvFloat}[5][{}]{%
11852 % [#1]: keyvalues
11853 % #2: type figure | table | ...
11854 % #3: float contents
11855 % [#4]: short caption
11856 % #5: caption
11857 % #6: label
11858 % \setDefault%
11859 % \def\@tempa{#1}%
11860 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi set options, only when not empty
11861 \def\@tempa{90}%
11862 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
11863 \else \setlength{\hvMaxCapWidth}{\linewidth}
11864 \fi
11865 %
11866 % First we save the object in \hvObjectBox
11867 %
11868 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
11869 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
11870 \else
11871 \savebox{\hvObjectBox}{%
11872 \rotatebox{\hvSet@objectAngle}{%
11873 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
11874 \fi
11875 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
11876 %
11877 % Now we save the caption with its defined \hvCapWidth
11878 %
11879 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
11880 \else
11881 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
11882 \else
11883 \setlength{\hvCapWidth}{\hvObjectWidth}
11884 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11885 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
11886 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
11887 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
11888 \else
11889 \setlength{\hvCapWidth}{\hvMaxCapWidth}
11890 \fi
11891 \fi
11892 \fi
11893 %

```



```

11894% now we have the object and the caption with the right
11895% rotated angles saved in boxes
11896%
11897 \def\fps@figure{\hvSet@floatPos}
11898 \ifhv@nonFloat\begin{group}% Start the nonfloat part
11899 \else \begin{\hv@floatType}% Start the floating environment
11900 \fi%
11901 \saveCaptionSkip% we put this space ourselves
11902 \ifx\hvSet@capAngle\hv@Width % need rotation?
11903 \sbox{\hvCaptionBox}{%
11904 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11905 \ifhv@nonFloat%
11906 \ifhv@onlyText#2%
11907 \else%
11908 \ifx\hv@floatType\hv@figure
11909 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11910 \else
11911 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11912 \fi
11913 \fi
11914 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11915 \fi%
11916 \label{#3}%
11917 \end{minipage}%
11918 }%
11919 \else%
11920 \sbox{\hvCaptionBox}{%
11921 \rotatebox{\hvSet@capAngle}{%
11922 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
11923 \ifhv@nonFloat%
11924 \ifhv@onlyText#2%
11925 \else%
11926 \ifx\hv@floatType\hv@figure
11927 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
11928 \else
11929 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
11930 \fi
11931 \fi
11932 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
11933 \fi%
11934 \label{#3}%
11935 \end{minipage}%
11936 }%
11937 }%
11938 \fi%
11939 %%
11940 \restoreCaptionSkip% save old values
11941 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
11942 \else%
11943 \ifx\hvSet@objectPos\hv@Center

```



```

11944      \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
11945      \fi%
11946      \fi%
11947 %
11948 % to rotate object and caption together, we save all in another box
11949 % the caption comes first, if its on the left or the top
11950 %
11951 \savebox{\@tempboxa}{%
11952 \ifx\hvSet@capPos\hv@Left % caption on left side
11953 \if@RTL%
11954 \ifx\hvSet@capVPos\hv@Center%
11955 \ifhv@fbox
11956 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
11957 \else
11958 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
11959 \fi%
11960 \hspace{\hvSet@floatCapSep pt}%
11961 \ifhv@fbox
11962 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11963 \else
11964 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
11965 \fi%
11966 \else%
11967 \ifx\hvSet@capVPos\hv@Top
11968 \ifhv@fbox
11969 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
11970 \else
11971 \raisebox{-\height}{\usebox{\hvObjectBox}}%
11972 \fi%
11973 \hspace{\hvSet@floatCapSep pt}%
11974 \ifhv@fbox
11975 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
11976 \else
11977 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
11978 \fi
11979 \else
11980 \ifhv@fbox
11981 \fbox{\usebox{\hvObjectBox}}%
11982 \else
11983 \usebox{\hvObjectBox}%
11984 \fi
11985 \hspace{\hvSet@floatCapSep pt}%
11986 \ifhv@fbox
11987 \fbox{\usebox{\hvCaptionBox}}%
11988 \else
11989 \usebox{\hvCaptionBox}%
11990 \fi%
11991 \fi%
11992 \fi%
11993 \else% not RTL

```





```

11994 \ifx\hvSet@capVPos\hv@Center%
11995 \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
11996 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
11997 \fi%
11998 \hspace{\hvSet@floatCapSep pt}% capfloatsep
11999 \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12000 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12001 \fi%
12002 \else%
12003 \ifx\hvSet@capVPos\hv@Top % caption at top
12004 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12005 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12006 \fi
12007 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12008 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12009 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12010 \fi%
12011 \else% caption on bottom
12012 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
12013 \else\usebox{\hvCaptionBox}
12014 \fi%
12015 \hspace{\hvSet@floatCapSep pt}%
12016 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
12017 \else \usebox{\hvObjectBox}
12018 \fi%
12019 \fi%
12020 \fi% end of RTL
12021 \fi%
12022 \else
12023 \ifx\hvSet@capPos\hv@Top
12024 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12025 \begin{minipage}{\wd\hvCaptionBox}
12026 \else
12027 \begin{minipage}{\wd\hvObjectBox}
12028 \fi
12029 \centering
12030 \ifhv@fbox
12031 \fbbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
12032 \fbbox{\usebox{\hvObjectBox}}
12033 \else
12034 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
12035 \usebox{\hvObjectBox}
12036 \fi%
12037 \end{minipage}
12038 \else
12039 \ifx\hvSet@capPos\hv@Bottom
12040 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
12041 \begin{minipage}{\wd\hvCaptionBox}
12042 \else
12043 \begin{minipage}{\wd\hvObjectBox}

```



```

12044 \fi
12045 \centering
12046 \ifhv@fbox
12047 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
12048 \fbox{\usebox{\hvCaptionBox}}
12049 \else
12050 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
12051 \usebox{\hvCaptionBox}
12052 \fi%
12053 \end{minipage}
12054 \else% the last option: put the caption on the right
12055 \if@RTL%
12056 \ifx\hvSet@capVPos\hv@Center%
12057 \ifhv@fbox\fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12058 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
12059 \fi%
12060 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12061 \ifhv@fbox\fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12062 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12063 \fi%
12064 \else%
12065 \ifx\hvSet@capVPos\hv@Top % caption at top
12066 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12067 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12068 \fi
12069 \hspace{\hvSet@floatCapSep pt}% capfloatsep
12070 \ifhv@fbox\fbbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12071 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
12072 \fi%
12073 \else% caption on bottom
12074 \ifhv@fbox\fbbox{\usebox{\hvCaptionBox}}
12075 \else\usebox{\hvCaptionBox}
12076 \fi%
12077 \hspace{\hvSet@floatCapSep pt}%
12078 \ifhv@fbox\fbbox{\usebox{\hvObjectBox}}
12079 \else \usebox{\hvObjectBox}
12080 \fi%
12081 \fi%
12082 \fi%
12083 \else% not RTL
12084 \ifx\hvSet@capVPos\hv@Center%
12085 \ifhv@fbox
12086 \fbbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
12087 \else
12088 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
12089 \fi%
12090 \hspace{\hvSet@floatCapSep pt}%
12091 \ifhv@fbox
12092 \fbbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
12093 \else

```



```

12094 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
12095 \fi%
12096 \else%
12097 \ifx\hvSet@capVPos\hv@Top
12098 \ifhv@fbox
12099 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
12100 \else
12101 \raisebox{-\height}{\usebox{\hvObjectBox}}%
12102 \fi%
12103 \hspace{\hvSet@floatCapSep pt}%
12104 \ifhv@fbox
12105 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
12106 \else
12107 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
12108 \fi
12109 \else
12110 \ifhv@fbox
12111 \fbox{\usebox{\hvObjectBox}}%
12112 \else
12113 \usebox{\hvObjectBox}%
12114 \fi
12115 \hspace{\hvSet@floatCapSep pt}%
12116 \ifhv@fbox
12117 \fbox{\usebox{\hvCaptionBox}}%
12118 \else
12119 \usebox{\hvCaptionBox}%
12120 \fi%
12121 \fi%
12122 \fi
12123 \fi% end of RTL
12124 \fi
12125 \fi
12126 \fi
12127 }% End savebox Object and caption
12128 %
12129 % now we rotate the object and caption, if needed
12130 %
12131 \ifx\hvSet@rotAngle\hv@Zero
12132 \usebox{\@tempboxa}
12133 \else
12134 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
12135 \fi
12136 \ifhv@nonFloat
12137 \ifx\hvSet@objectPos\hv@Center
12138 \ifhv@nonFloat
12139 \hspace{\filll}
12140 \fi
12141 \fi
12142 \endgroup% End the nonfloat part
12143 \else

```



```

12144 \end{\hv@floatType}% End the floating environment
12145 \fi
12146 }

```

## 69 File hyperref-xetex-bidi.def

```

12147 \ProvidesFile{hyperref-xetex-bidi.def}[2017/08/09 v1.0 bidi adaptations for hyperref package]
12148 \AtBeginDocument{%
12149 \def\contentsline#1#2#3#4{%
12150   \ifx\#4\%
12151     \csname l@#1\endcsname{#2}{#3}%
12152   \else
12153     \ifcase\Hy@linktoc % none
12154       \csname l@#1\endcsname{#2}{#3}%
12155     \or % section
12156       \csname l@#1\endcsname{%
12157         \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12158       }{#3}%
12159     \or % page
12160       \csname l@#1\endcsname{#2}{#3}%
12161       \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12162     }%
12163   \else % all
12164     \csname l@#1\endcsname{%
12165       \hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend
12166     }{#3}%
12167     \hyper@linkstart{link}{#4}{#3}\hyper@linkend
12168   }%
12169 \fi
12170 \fi
12171 }
12172 \ifHy@hyperfootnotes
12173   \let\H@@footnotetext\@footnotetext
12174   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
12175   \let\HLTR@LTRfootnotetext\@LTRfootnotetext
12176   \def\@xfootnotenext[#1]{%
12177     \begingroup
12178       \csname c@\@mpfn\endcsname #1\relax
12179       \unrestored@protected@xdef\@thefnmark{\thempfn}%
12180     \endgroup
12181     \ifx\@footnotetext\@mpfootnotetext
12182       \expandafter\H@@mpfootnotetext
12183     \else
12184       \expandafter\H@@footnotetext
12185     \fi
12186   }%
12187   \def\@xRTLfootnotenext[#1]{%
12188     \begingroup
12189       \csname c@\@mpfn\endcsname #1\relax
12190       \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

12191 \endgroup
12192 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
12193 \expandafter\HRTL@\@mpRTLfootnotetext
12194 \else
12195 \expandafter\HRTL@\@RTLfootnotetext
12196 \fi
12197 }%
12198 \def\@xLTRfootnotenext[#1]{%
12199 \begingroup
12200 \csname c@\@mpfn\endcsname #1\relax
12201 \unrestored@protected@xdef\@thefnmark{\thempfn}%
12202 \endgroup
12203 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
12204 \expandafter\HLTR@\@mpLTRfootnotetext
12205 \else
12206 \expandafter\HLTR@\@LTRfootnotetext
12207 \fi
12208 }%
12209 \def\@xfootnotemark[#1]{%
12210 \begingroup
12211 \c@footnote #1\relax
12212 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
12213 \endgroup
12214 \H@\@footnotemark
12215 }%
12216 \let\H@\@mpfootnotetext\@mpfootnotetext
12217 \let\HRTL@\@mpRTLfootnotetext\@mpRTLfootnotetext
12218 \let\HLTR@\@mpLTRfootnotetext\@mpLTRfootnotetext
12219 \long\def\@mpfootnotetext#1{%
12220 \H@\@mpfootnotetext{%
12221 \ifHy@nesting
12222 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12223 \else
12224 \Hy@raisedlink{%
12225 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12226 }#1%
12227 \fi
12228 }%
12229 }%
12230 \long\def\@mpRTLfootnotetext#1{%
12231 \HRTL@\@mpRTLfootnotetext{%
12232 \ifHy@nesting
12233 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12234 \else
12235 \Hy@raisedlink{%
12236 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12237 }#1%
12238 \fi
12239 }%
12240 }%

```



```

12241 \long\def\@mpLTRfootnotetext#1{%
12242 \HLTR@mpLTRfootnotetext{%
12243   \ifHy@nesting
12244     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12245   \else
12246     \Hy@raisedlink{%
12247       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12248     }#1%
12249   \fi
12250 }%
12251 }%
12252 \long\def\@footnotetext#1{%
12253 \H@@footnotetext{%
12254   \ifHy@nesting
12255     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12256   \else
12257     \Hy@raisedlink{%
12258       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12259     }%
12260     \let\@currentHlabel\Hy@footnote@currentHlabel
12261     \let\@currentHref\Hy@footnote@currentHref
12262     \let\@currentlabelname\@empty
12263     #1%
12264   \fi
12265 }%
12266 }%
12267 \long\def\@RTLfootnotetext#1{%
12268 \HRTL@RTLfootnotetext{%
12269   \ifHy@nesting
12270     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12271   \else
12272     \Hy@raisedlink{%
12273       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12274     }%
12275     \let\@currentHlabel\Hy@footnote@currentHlabel
12276     \let\@currentHref\Hy@footnote@currentHref
12277     \let\@currentlabelname\@empty
12278     #1%
12279   \fi
12280 }%
12281 }%
12282 \long\def\@LTRfootnotetext#1{%
12283 \HLTR@LTRfootnotetext{%
12284   \ifHy@nesting
12285     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
12286   \else
12287     \Hy@raisedlink{%
12288       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
12289     }%
12290     \let\@currentHlabel\Hy@footnote@currentHlabel

```



```

12291         \let\@currentHref\Hy@footnote@currentHref
12292         \let\@currentlabelname\@empty
12293         #1%
12294     \fi
12295 }%
12296 }%
12297 \@ifpackageloaded{tabularx}{%
12298 \let\HyOrg@TX@endtabularx\TX@endtabularx
12299 \def\Hy@tabularx@hook{%
12300     \let\@footnotetext\H@@footnotetext
12301     \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12302     \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12303     \let\@footnotemark\H@@footnotemark
12304     \let\@mpfootnotetext\H@@mpfootnotetext
12305     \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
12306     \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
12307 }%
12308 \begingroup
12309 \toks@\expandafter{\TX@endtabularx}%
12310 \xdef\Hy@gtemp{%
12311     \noexpand\Hy@tabularx@hook
12312     \the\toks@
12313 }%
12314 \endgroup
12315 \let\TX@endtabularx\Hy@gtemp
12316 }{}%
12317 \@ifpackageloaded{longtable}{%
12318 \CheckCommand*{\LT@p@LTRfnttext}[1]{%
12319     \edef\@tempa{%
12320         \the\LT@p@ftn
12321         \noexpand\LTRfootnotetext[\the\c@footnote]%
12322     }%
12323     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12324 }%
12325 \long\def\LT@p@LTRfnttext#1{%
12326     \edef\@tempa{%
12327         \the\LT@p@ftn
12328         \begingroup
12329             \noexpand\c@footnote=\the\c@footnote\relax
12330             \noexpand\protected@xdef\noexpand\@thefnmark{%
12331                 \noexpand\thempfn
12332             }%
12333             \noexpand\Hy@LT@LTRfootnotetext{%
12334                 \Hy@footnote@currentHref
12335             }%
12336         }%
12337     \global\LT@p@ftn\expandafter{%
12338         \@tempa{#1}%
12339     \endgroup
12340 }%

```



```

12341 }%
12342 \long\def\Hy@LT@LTRfootnotetext#1#2{%
12343   \HLTR@LTRfootnotetext{%
12344     \ifHy@nesting
12345       \hyper@@anchor{#1}{#2}%
12346     \else
12347       \Hy@raisedlink{%
12348         \hyper@@anchor{#1}{\relax}%
12349       }%
12350       \def\@currentHref{#1}%
12351       \let\@currentlabelname\@empty
12352       #2%
12353     \fi
12354   }%
12355 }%
12356 \CheckCommand*{\LT@p@RTLftntext}[1]{%
12357   \edef\@tempa{%
12358     \the\LT@p@ftn
12359     \noexpand\RTLfootnotetext[\the\c@footnote]%
12360   }%
12361   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
12362 }%
12363 \long\def\LT@p@RTLftntext#1{%
12364   \edef\@tempa{%
12365     \the\LT@p@ftn
12366     \begingroup
12367       \noexpand\c@footnote=\the\c@footnote\relax
12368       \noexpand\protected@xdef\noexpand\@thefnmark{%
12369         \noexpand\thempfn
12370       }%
12371       \noexpand\Hy@LT@RTLfootnotetext{%
12372         \Hy@footnote@currentHref
12373       }%
12374     }%
12375     \global\LT@p@ftn\expandafter{%
12376       \@tempa{#1}%
12377     \endgroup
12378   }%
12379 }%
12380 \long\def\Hy@LT@RTLfootnotetext#1#2{%
12381   \HRTL@RTLfootnotetext{%
12382     \ifHy@nesting
12383       \hyper@@anchor{#1}{#2}%
12384     \else
12385       \Hy@raisedlink{%
12386         \hyper@@anchor{#1}{\relax}%
12387       }%
12388       \def\@currentHref{#1}%
12389       \let\@currentlabelname\@empty
12390       #2%

```





```

12391         \fi
12392     }%
12393 }%
12394 }{}%
12395 \ifpackageloaded{bidipoem}{%
12396 \long\def\bidipoem@p@ftntext#1{%
12397     \edef\@temp#1{%
12398         \the\bidipoem@p@ftn
12399     \begingroup
12400         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12401         \noexpand\protected@xdef\noexpand\@thefnmark{%
12402             \noexpand\thempfn
12403         }%
12404         \noexpand\Hy@bidipoem@footnotetext{%
12405             \Hy@footnote@currentHref
12406         }%
12407     }%
12408     \global\bidipoem@p@ftn\expandafter{%
12409         \@temp#1}%
12410     \endgroup
12411 }%
12412 }%
12413 \long\def\Hy@bidipoem@footnotetext#1#2{%
12414     \H@@footnotetext{%
12415         \ifHy@nesting
12416             \hyper@@anchor{#1}{#2}%
12417         \else
12418             \Hy@raisedlink{%
12419                 \hyper@@anchor{#1}{\relax}%
12420             }%
12421             \def\@currentHref{#1}%
12422             \let\@currentlabelname\@empty
12423             #2%
12424         \fi
12425     }%
12426 }%
12427 \long\def\bidipoem@p@LTRftntext#1{%
12428     \edef\@tempxi{%
12429         \the\bidipoem@p@ftn
12430     \begingroup
12431         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12432         \noexpand\protected@xdef\noexpand\@thefnmark{%
12433             \noexpand\thempfn
12434         }%
12435         \noexpand\Hy@bidipoem@LTRfootnotetext{%
12436             \Hy@footnote@currentHref
12437         }%
12438     }%
12439     \global\bidipoem@p@ftn\expandafter{%
12440         \@tempxi#1}%

```



```

12441         \endgroup
12442     }%
12443 }%
12444 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
12445     \HLTR@@LTRfootnotetext{%
12446         \ifHy@nesting
12447             \hyper@@anchor{#1}{#2}%
12448         \else
12449             \Hy@raisedlink{%
12450                 \hyper@@anchor{#1}{\relax}%
12451             }%
12452             \def\@currentHref{#1}%
12453             \let\@currentlabelname\@empty
12454             #2%
12455         \fi
12456     }%
12457 }%
12458 \long\def\bidipoem@p@RTLftntext#1{%
12459     \edef\@tempxi{%
12460         \the\bidipoem@p@ftn
12461         \begin{group}
12462             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
12463             \noexpand\protected@xdef\noexpand\@thefnmark{%
12464                 \noexpand\thempfn
12465             }%
12466             \noexpand\Hy@bidipoem@RTLfootnotetext{%
12467                 \Hy@footnote@currentHref
12468             }%
12469         }%
12470         \global\bidipoem@p@ftn\expandafter{%
12471             \@tempxi{#1}%
12472         }%
12473     }%
12474 }%
12475 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
12476     \HRTL@@RTLfootnotetext{%
12477         \ifHy@nesting
12478             \hyper@@anchor{#1}{#2}%
12479         \else
12480             \Hy@raisedlink{%
12481                 \hyper@@anchor{#1}{\relax}%
12482             }%
12483             \def\@currentHref{#1}%
12484             \let\@currentlabelname\@empty
12485             #2%
12486         \fi
12487     }%
12488 }%
12489 }{}%
12490 \let\HyOrg@maketitle\maketitle

```



```

12491 \def\maketitle{%
12492   \let\Hy@saved@footnotemark\@footnotemark
12493   \let\Hy@saved@footnotetext\@footnotetext
12494   \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
12495   \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
12496   \let\@footnotemark\H@@footnotemark
12497   \let\@footnotetext\H@@footnotetext
12498   \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
12499   \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
12500   \@ifnextchar[\Hy@maketitle@optarg{% ]
12501     \HyOrg@maketitle
12502     \Hy@maketitle@end
12503   }%
12504 }%
12505 \def\Hy@maketitle@optarg[#1]{%
12506   \HyOrg@maketitle[#{#1}]%
12507   \Hy@maketitle@end
12508 }%
12509 \def\Hy@maketitle@end{%
12510   \ifx\@footnotemark\H@@footnotemark
12511     \let\@footnotemark\Hy@saved@footnotemark
12512     \fi
12513     \ifx\@footnotetext\H@@footnotetext
12514       \let\@footnotetext\Hy@saved@footnotetext
12515       \fi
12516       \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
12517         \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
12518         \fi
12519         \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
12520           \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
12521           \fi
12522       }%
12523 \def\realfootnote{%
12524   \@ifnextchar[\@xfootnote{%
12525     \stepcounter{\@mpfn}%
12526     \protected@xdef\@thefnmark{\thempfn}%
12527     \H@@footnotemark\H@@footnotetext
12528   }%
12529 }%
12530 \fi
12531 \def\Hy@BeginAnnot#1{%
12532   \ifmmode\else\beginL\fi%
12533   \global\advance\c@Hy@AnnotLevel\@ne
12534   \ifnum\c@Hy@AnnotLevel=\@ne
12535     #1%
12536   \fi
12537 }
12538 \def\Hy@endAnnot{%
12539   \ifnum\c@Hy@AnnotLevel=\@ne
12540     \Hy@endcolorlink

```



```

12541 \pdfmark{eann}%
12542 \fi
12543 \global\advance\c@Hy@AnnotLevel\m@ne
12544 \ifmmode\else\endL\fi%
12545 }
12546 \def\hyper@link#1#2#3{%
12547 \hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\if@RTL\endR\fi\fi\endL%
12548 }
12549 \def\hyper@linkfile#1#2#3{%
12550 \leavevmode
12551 \Hy@BeginAnnot{%
12552 \def\Hy@pstringF{#2}%
12553 \Hy@CleanupFile\Hy@pstringF
12554 \Hy@pstringdef\Hy@pstringF\Hy@pstringF
12555 \Hy@pstringdef\Hy@pstringD{#3}%
12556 \Hy@MakeRemoteAction
12557 \pdfmark{%
12558 bann<<%
12559 /Type/Annot%
12560 /Subtype/Link%
12561 \ifHy@pdfa /F 4\fi
12562 \Hy@setpdfborder
12563 \ifx\@filebordercolor\relax
12564 \else
12565 /C[\@filebordercolor]%
12566 \fi
12567 /A<<%
12568 /S/GoToR%
12569 /F(\Hy@pstringF)%
12570 /D%
12571 \ifx\@#3\%
12572 [\Hy@href@page\@pdfremotestartview]%
12573 \else
12574 (\Hy@pstringD)%
12575 \fi
12576 \Hy@SetNewWindow
12577 \Hy@href@nextactionraw
12578 >>%
12579 >>%
12580 }%
12581 \Hy@colorlink\@filecolor
12582 }%
12583 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12584 \Hy@EndAnnot
12585 }
12586 \def\@hyper@launch run:#1\@#2#3{% filename, anchor text linkname
12587 \leavevmode
12588 \Hy@BeginAnnot{%
12589 \Hy@pstringdef\Hy@pstringF{#1}%
12590 \Hy@pstringdef\Hy@pstringP{#3}%

```



```

12591 \pdfmark{%
12592   bann<<%
12593     /Type/Annot%
12594     /Subtype/Link%
12595     \ifHy@pdfa /F 4\fi
12596     \Hy@setpdfborder
12597     \ifx\@runbordercolor\relax
12598     \else
12599       /C[\@runbordercolor]%
12600     \fi
12601     /A<<%
12602       /F(\Hy@pstringF)%
12603       /S/Launch%
12604       \Hy@SetNewWindow
12605       \ifx\#3\%
12606       \else
12607         /Win<</P(\Hy@pstringP)/F(\Hy@pstringF)>>%
12608       \fi
12609       \Hy@href@nextactionraw
12610     >>%
12611   >>%
12612 }%
12613 \Hy@colorlink\@runcolor
12614 }%
12615 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12616 \Hy@EndAnnot
12617 }
12618 \def\hyper@linkurl#1#2{%
12619   \leavevmode
12620   \Hy@BeginAnnot{%
12621     \Hy@pstringdef\Hy@pstringURI{#2}%
12622     \pdfmark{%
12623       bann<<%
12624         /Type/Annot%
12625         /Subtype/Link%
12626         \ifHy@pdfa /F 4\fi
12627         \Hy@setpdfborder
12628         \ifx\@urlbordercolor\relax
12629         \else
12630           /C[\@urlbordercolor]%
12631         \fi
12632         /A<<%
12633           /S/URI%
12634           /URI(\Hy@pstringURI)%
12635           \ifHy@href@ismap
12636           /IsMap true%
12637         \fi
12638         \Hy@href@nextactionraw
12639       >>%
12640     >>%

```



```

12641 }%
12642 \Hy@colorlink\@urlcolor
12643 }%
12644 \ifmmode\else\if@RTL\beginR\fi\fi#1\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12645 \Hy@EndAnnot
12646 }
12647 \def\Acrobatmenu#1#2{%
12648 \Hy@Acrobatmenu{#1}{#2}{%
12649 \Hy@BeginAnnot{%
12650 \EdefEscapeName\Hy@temp@menu{#1}%
12651 \@pdfm@mark{%
12652 bann<<%
12653 /Type/Annot%
12654 /Subtype/Link%
12655 \ifHy@pdfa /F 4\fi
12656 \Hy@setpdfborder
12657 \ifx\@menubordercolor\relax
12658 \else
12659 /C[\@menubordercolor]%
12660 \fi
12661 /A<<%
12662 /S/Named%
12663 /N/\Hy@temp@menu
12664 \Hy@href@nextactionraw
12665 >>%
12666 >>%
12667 }%
12668 \Hy@colorlink\@menucolor
12669 }%
12670 \ifmmode\else\if@RTL\beginR\fi\fi#2\ifmmode\else\if@RTL\endR\fi\fi\Hy@xspace@end
12671 \Hy@EndAnnot
12672 }%
12673 }
12674 \def\hyper@natlinkstart#1{%
12675 \Hy@backout{#1}%
12676 \hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
12677 \def\hyper@nat@current{#1}%
12678 }
12679 \def\hyper@natlinkend{%
12680 \if@RTL\endR\fi\hyper@linkend
12681 }
12682 \def\hyper@natlinkbreak#1#2{%
12683 \if@RTL\endR\fi\hyper@linkend#1\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
12684 }%
12685 }
12686 \pdfstringdefDisableCommands{%
12687 \let\LRE\@firstofone
12688 \let\LR\@firstofone
12689 \let\RLE\@firstofone
12690 \let\RL\@firstofone

```



```

12691 \def\XeTeX{Xe\TeX}
12692 \def\XeLaTeX{Xe\LaTeX}
12693 }
12694 \@ifpackageloaded{longtable}{%
12695   \begingroup
12696     \def\y{\LT@array}%
12697     \@ifundefined{scr@LT@array}{%
12698       \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
12699     }\def\y{\scr@LT@array}%
12700     \long\def\x\refstepcounter#1#2\@sharp#3#4\@nil{%
12701       \expandafter\endgroup
12702       \expandafter\def\y[##1]##2{%
12703         \H@refstepcounter{#1}%
12704         \hyper@makecurrent{table}%
12705         \let\Hy@LT@currentHref\@currentHref
12706         #2\@sharp####4%
12707       }%
12708     }%
12709     \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
12710     \begingroup
12711       \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
12712         \endgroup
12713         \def\LT@start{%
12714           #1%
12715           \ifvoid\LT@foot#2\fi
12716           \let\@currentHref\Hy@LT@currentHref
12717           \Hy@raisedlink{%
12718             \hyper@anchorstart{\@currentHref}\hyper@anchorend
12719           }%
12720           #3%
12721         }%
12722       }%
12723     \expandafter\x\LT@start\@nil
12724 }{}

```

## 70 File imspdoc-xetex-bidi.def

```

12725 \ProvidesFile{imspdoc-xetex-bidi.def}[2017/06/09 v0.1 bidi adaptations for imspdoc class for ]
12726 \newenvironment{thebibliography}[1]{%
12727   \@bibtitlestyle
12728   \normalfont\bibliofont\labelsep .5em\relax
12729   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
12730   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12731   \bidi@thebibliography@font@hook
12732   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
12733     \leftmargin\labelwidth \advance\leftmargin\labelsep
12734     \usecounter{enumiv}}%
12735   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
12736   \sfcode`\.=\@m
12737 }{}

```



```

12738 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
12739 \endlist
12740 }
12741
12742 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
12743 \columnseprule\z@ \columnsep 35\p@
12744 \@indextitlestyle
12745 \thispagestyle{plain}%
12746 \let\item\@idxitem
12747 \parindent\z@ \parskip\z@\@plus.3\p@\relax
12748 \if@RTL\raggedleft\else\raggedright\fi
12749 \hyphenpenalty\@M
12750 \footnotesize}
12751 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
12752 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
12753 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
12754
12755 \def\right@footnoterule{%
12756 \kern-.4\p@
12757 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-5pc\relax \hrulefill }
12758 \kern11\p@\kern-\footnotesep}
12759 \def\left@footnoterule{\kern-.4\p@
12760 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
12761 \def\@makefnmark{%
12762 \leavevmode
12763 \raise.9ex\hbox{\fontsize\sf@size\z@\normalfont\@thefnmark}%
12764 }
12765
12766 \def\part{\@startsection{part}{0}%
12767 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
12768 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
12769 \def\@tocline#1#2#3#4#5#6#7{\relax
12770 \ifnum #1>\c@tocdepth % then omit
12771 \else
12772 \par \addpenalty\@secpenalty\addvspace{#2}%
12773 \begingroup \hyphenpenalty\@M
12774 \@ifempty{#4}{%
12775 \@tempdima\csname r@tocindent\number#1\endcsname\relax
12776 }{%
12777 \@tempdima#4\relax
12778 }%
12779 \parindent\z@ \if@RTL\rightright\else\leftskip\fi#3\relax \advance\if@RTL\rightright\else\leftskip\fi#5\relax
12780 \if@RTL\leftskip\else\rightright\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
12781 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
12782 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
12783 \nobreak
12784 \endgroup
12785 \fi}
12786 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
12787 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}

```





```

12788 \renewcommand\theparagraph      {\thesubsubsection\@SepMark\arabic{paragraph}}
12789 \renewcommand\thesubparagraph    {\theparagraph\@SepMark\arabic{subparagraph}}
12790 \def\maketitle{\par
12791   \@topnum\z@ % this prevents figures from falling at the top of page 1
12792   \@setcopyright
12793   \thispagestyle{firstpage}% this sets first page specifications
12794   \uppercase\nonmath\shorttitle
12795   \ifx\@empty\shortauthors \let\shortauthors\shorttitle
12796   \else \andify\shortauthors
12797   \fi
12798   \@maketitle@hook
12799   \begingroup
12800   \@maketitle
12801   \toks@\@xp{\shortauthors}\@temptokena\@xp{\shorttitle}%
12802   \toks4{\def\{\ \ignorespaces}}% defend against questionable usage
12803   \edef\@tempa{%
12804     \@nx\markboth{\the\toks4
12805       \@nx\MakeUppercase{\the\toks@}}{\the\@temptokena}}%
12806   \@tempa
12807   \endgroup
12808   \c@footnote\z@
12809   \@cleartopmattertags
12810 }

```

## 71 File leqno-xetex-bidi.def

```

12811 \ProvidesFile{leqno-xetex-bidi.def}[2018/01/07 v0.2 bidi adaptations for leqno tag for XeTeX e
12812 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
12813           \rlap{\hskip -\displaywidth
12814           {\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}

```

## 72 File letter-xetex-bidi.def

```

12815 \ProvidesFile{letter-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for standard letter clas
12816 \renewcommand*\opening[1]{\ifx\@empty\fromaddress
12817   \thispagestyle{firstpage}%
12818   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
12819   \else % home address
12820     \thispagestyle{empty}%
12821     {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
12822       \fromaddress \*[2\parskip]%
12823       \@date \end{tabular}\par}%
12824   \fi
12825   \vspace{2\parskip}%
12826   {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
12827   \vspace{2\parskip}%
12828   #1\par\nobreak}
12829 \renewcommand\leftfootnoterule{%
12830   \kern-\p@
12831   \hrule \@width .4\columnwidth

```



```

12832 \kern .6\p@}
12833 \renewcommand\right@footnoterule{%
12834 \kern-\p@
12835 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
12836 \kern .6\p@}

```

## 73 File lettrine-xetex-bidi.def

```

12837 \ProvidesFile{lettrine-xetex-bidi.def}[2015/02/17 v0.5 bidi adaptations for lettrine package ]
12838 \def\@lettrine[#1]#2#3{%
12839 \setcounter{L@lines}{\theDefaultLines}%
12840 \setcounter{L@depth}{\theDefaultDepth}%
12841 \renewcommand*{\L@hang}{\DefaultLhang}%
12842 \renewcommand*{\L@oversize}{\DefaultLoversize}%
12843 \renewcommand*{\L@raise}{\DefaultLraise}%
12844 \renewcommand*{\L@ante}{}%
12845 \setlength{\L@Findent}{\DefaultFindent}%
12846 \setlength{\L@Nindent}{\DefaultNindent}%
12847 \setlength{\L@slope}{\DefaultSlope}%
12848 \setlength{\L@novskip}{\DiscardVskip}%
12849 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
12850 \ifLettrineOnGrid\L@gridtrue\else\L@gridfalse\fi
12851 \if\DefaultOptionsFile\relax
12852 \else
12853 \begingroup
12854 \InputIfFileExists{\DefaultOptionsFile}%
12855 {}%
12856 {\PackageWarning{lettrine.sty}%
12857 {File \DefaultOptionsFile\space not found}%
12858 }%
12859 \def\color##1##{\l@color{##1}}%
12860 \let\l@color\@gobbletwo
12861 \def\textcolor##1##{\l@textcolor{##1}}%
12862 \def\l@textcolor##1##2##3{##3}%
12863 \expandafter\ifx\csname l@#2-keys\endcsname\relax
12864 \gdef\l@LOKeys{%
12865 \else
12866 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%
12867 \fi
12868 \endgroup
12869 \def\KV@prefix{KV@L@}%
12870 \let\@tempc\relax
12871 \expandafter\KV@do\l@LOKeys,\relax,
12872 \sbox{\L@lbox}{\LettrineFont #2}%
12873 \setlength{\LettrineWidth}{\wd\L@lbox}%
12874 \def\KV@prefix{KV@L@}%
12875 \let\@tempc\relax
12876 \expandafter\KV@do\l@LOKeys,\relax,
12877 \fi
12878 \setkeys{L}{#1}%

```



```

12879 \ifL@image
12880   \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
12881 \else
12882   \sbox{\L@lbox}{\LettrineFont #2}%
12883 \fi
12884 \sbox{\L@tbox}{\LettrineTextFont{#3}}%
12885 \@tempdima=\baselineskip
12886 \ifnum\theL@lines=1
12887   \setlength{\L@first}{\ht\L@lbox}%
12888   \addtolength{\L@first}{-\ht\L@tbox}%
12889   \setlength{\L@lraise}{\z@}%
12890 \else
12891   \setlength{\L@first}{-\theL@lines\@tempdima}%
12892   \addtolength{\L@first}{\@tempdima}%
12893   \sbox{\@tempboxa}{\LettrineTextFont x}%
12894   \addtolength{\L@first}{-\ht\@tempboxa}%
12895   \setlength{\L@lraise}{-\L@raise\L@first}%
12896   \addtolength{\L@first}{\L@lraise}%
12897   \addtolength{\L@first}{\ht\L@lbox}%
12898   \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
12899   \addtolength{\L@lraise}{\@tempdima}%
12900 \fi
12901 \par
12902 \ifdim\L@first>\L@novskip
12903   \ifL@grid
12904     \@tempdima=\baselineskip
12905     \@tempdimb=\@tempdima
12906     \advance\@tempdimb by \L@novskip
12907     \@tempcnta=1
12908     \loop\ifdim\L@first>\@tempdimb
12909       \advance\@tempcnta by 1
12910       \advance\L@first by -\@tempdima
12911     \repeat
12912     \vskip\@tempcnta\baselineskip
12913   \else
12914     \vskip\L@first
12915   \fi
12916 \fi
12917 \setlength{\L@Pindent}{\wd\L@lbox}%
12918 \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
12919 \settowidth{\L@first}{\L@ante}%
12920 \addtolength{\L@Pindent}{\L@first}%
12921 \addtolength{\L@Pindent}{\L@Findent}%
12922 \setlength{\L@first}{\linewidth}%
12923 \addtolength{\L@first}{-\L@Pindent}%
12924 \addtolength{\L@Nindent}{\L@Pindent}%
12925 \setlength{\L@next}{\linewidth}%
12926 \addtolength{\L@next}{-\L@Nindent}%
12927 \addtolength{\L@Pindent}{\rightmargin}%
12928 \addtolength{\L@Nindent}{\rightmargin}%

```



```

12929 \setlength{\LettrineWidth}{\wd\L@lbox}%
12930 \setlength{\LettrineHeight}{\ht\L@lbox}%
12931 \setlength{\LettrineDepth}{\dp\L@lbox}%
12932 \addtocounter{L@lines}{1}%
12933 \addtocounter{L@lines}{\the\c@L@depth}%
12934 \if@RTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@P
12935 \@tempcnta=\tw@
12936 \@whilenum \@tempcnta<\c@L@lines\do{%
12937   \if@RTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \tl
12938   \addtolength{\L@Nindent}{\L@slope}%
12939   \addtolength{\L@next}{-\L@slope}%
12940   \advance\@tempcnta\@ne}%
12941 \if@RTL\edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \tl
12942 \noindent
12943 \parshape=\L@parshape\relax
12944 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
12945   \hskip \the\L@Findent}}%
12946 \usebox{\L@tbox}%
12947 }

```

## 74 File lineno-xetex-bidi.def

```

12948 \ProvidesFile{lineno-xetex-bidi.def}[2018/01/28 v0.2 bidi adaptations for lineno package for X
12949 \bidi@patchcmd{\MakeLineNo}{%
12950   \hb@xt@{\z@}{\makeLineNumber}%
12951 }{%
12952   \hboxL to \z@{\makeLineNumber}%
12953 }{}{}
12954
12955 \bidi@patchcmd{\makeLineNumberLeft}{\LineNumber}{%
12956   \if@RTL
12957     \hb@xt@\linewidthwidth{\LineNumber\hss}%
12958   \else
12959     \LineNumber
12960   \fi
12961 }{}{}
12962
12963 \bidi@patchcmd{\makeLineNumberRight}{%
12964   \hb@xt@\linewidthwidth{\hss\LineNumber}%
12965 }{%
12966   \if@RTL
12967     \LineNumber
12968   \else
12969     \hb@xt@\linewidthwidth{\hss\LineNumber}%
12970   \fi
12971 }{}{}
12972
12973 \bidi@AfterPreamble{%
12974   \if@RTLmain
12975     \rightlinenumbers*

```



```

12976 \else
12977   \leftlinenumbers*
12978 \fi
12979 \@ifpackagewith{lineno}{left}{%
12980   \leftlinenumbers*
12981 }{}
12982 \@ifpackagewith{lineno}{right}{%
12983   \rightlinenumbers*
12984 }{}
12985 }
12986

```

## 75 File listings-xetex-bidi.def

```

12987 \ProvidesFile{listings-xetex-bidi.def}[2017/01/14 v1.4 bidi adaptations for listings package]
12988 \lst@Key{captiondirection}{textdirection}{%
12989   \lstKV@SwitchCases{#1}%
12990   {textdirection&\\%
12991     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
12992     LTR&\chardef\bidi@lst@caption@direction\z@%
12993   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
12994
12995 \lst@Key{captionscript}{textscript}{%
12996   \lstKV@SwitchCases{#1}%
12997   {textscript&\\%
12998     latin&\chardef\bidi@lst@caption@script\@ne\\%
12999     nonlatin&\chardef\bidi@lst@caption@script\z@%
13000   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
13001
13002 \newcommand*\bidi@lst@ensure@caption@direction[2]{%
13003   \@ifundefined{bidi@lst@caption@direction}{%
13004     \ifnum\bidi@lst@caption@direction=\z@%
13005       #1%
13006     \else%
13007       \ifnum\bidi@lst@caption@direction=\@ne%
13008         #2%
13009       \fi%
13010     \fi%
13011 }}
13012
13013 \newcommand*\bidi@lst@ensure@caption@script[2]{%
13014   \@ifundefined{bidi@lst@caption@script}{%
13015     \ifnum\bidi@lst@caption@script=\z@%
13016       #1%
13017     \else%
13018       \ifnum\bidi@lst@caption@script=\@ne%
13019         #2%
13020       \fi%
13021     \fi%
13022 }}

```



```

13023
13024 \long\def\@bidi@lst@makecaption#1#2{%
13025   \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13026   \vskip\abovecaptionskip
13027   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13028   \sbox\@tempboxa{%
13029     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
13030     #1: #2%
13031     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
13032   }%
13033   \ifdim \wd\@tempboxa >\hsize
13034     #1: #2\par
13035   \else
13036     \global \@minipagefalse
13037     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
13038   \fi
13039   \vskip\belowcaptionskip}%
13040 \def\lst@makecaption{\@bidi@lst@makecaption}
13041 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
13042 \bidi@AtEndPreamble{%
13043 \bidi@patchcmd{\lst@MakeCaption}{%
13044   \ifx #1%
13045     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13046       \expandafter\refstepcounter
13047     \fi {lstlisting}%
13048 }{%
13049   \ifx #1%
13050     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13051     \ifx\lst@@caption\@empty\expandafter\lst@HRefStepCounter \else
13052       \expandafter\refstepcounter
13053     \fi {lstlisting}%
13054     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLfalse}%
13055 }{}%
13056 \bidi@patchcmd{\lst@MakeCaption}{%
13057   \addcontentsline{lol}{lstlisting}%
13058   {\protect\numberline{\thelstlisting}\lst@@caption}%
13059 }{%
13060 \begingroup%
13061   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13062   \addcontentsline{lol}{lstlisting}%
13063   {\protect\numberline{\thelstlisting}\lst@@caption}%
13064 \endgroup%
13065 }{}%
13066 }
13067 \@ifpackageloaded{caption}{%
13068   \AtBeginCaption{%
13069     \bidi@lst@ensure@caption@script{\@nonlatintrue}{\@nonlatinfalse}%
13070     \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
13071   }
13072   \let\@bidi@lst@makecaption\caption@makecaption%

```



```

13073 \def\lst@makecaption{\caption@starfalse\@bidi@lst@makecaption}%
13074 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}%
13075 }{%
13076 \AtBeginDocument{%
13077 \ifundefined{captionlabelfalse}{\let\lst@ifnumberbychapter\iffalse}}%
13078 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
13079 \ifundefined{caption@startrue}{\let\lst@ifnumberbychapter\iffalse}}%
13080 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
13081 }%
13082 }
13083 \AtBeginDocument{
13084 \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}}
13085 \lst@ifnumberbychapter
13086 \gdef\thelstlisting%
13087 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
13088 \else
13089 \gdef\thelstlisting{\@arabic\c@lstlisting}
13090 \fi}

```

## 76 File loadingorder-xetex-bidi.def

```

13091 \ProvidesFile{loadingorder-xetex-bidi.def}[2017/12/29 v0.97 making sure that bidi is the last
13092 \bidi@isloaded{amsmath}
13093 \bidi@isloaded{amstext}
13094 \bidi@isloaded{amsthm}
13095 \bidi@isloaded{animate}
13096 \bidi@isloaded{breqn}
13097 \bidi@isloaded{cals}
13098 \bidi@isloaded{caption}
13099 \bidi@isloaded{crop}
13100 \bidi@isloaded{cuted}
13101 \bidi@isloaded{cutwin}
13102 \bidi@isloaded{color}
13103 \bidi@isloaded{dblfnote}
13104 \bidi@isloaded{diagbox}
13105 \bidi@isloaded{xcolor}
13106 \bidi@isloaded{colortbl}
13107 \bidi@isloaded{float}
13108 \bidi@isloaded{floatrow}
13109 \bidi@isloaded{flowfram}
13110 \bidi@isloaded{framed}
13111 \bidi@isloaded{ftnright}
13112 \bidi@isloaded{xltextra}
13113 \bidi@isloaded{xunicode}
13114 \bidi@isloaded{wrapfig}
13115 \bidi@isloaded{graphicx}
13116 \bidi@isloaded{geometry}
13117 \bidi@isloaded{hvfloat}
13118 \bidi@isloaded{mdframed}
13119 \bidi@isloaded{midfloat}

```



```

13120 \bidi@isloaded{ntheorem}
13121 \bidi@isloaded{ntheorem-hyper}
13122 \bidi@isloaded{hyperref}
13123 \bidi@isloaded{fancybox}
13124 \bidi@isloaded{fancyhdr}
13125 \bidi@isloaded{fix2col}
13126 \bidi@isloaded{draftwatermark}
13127 \bidi@isloaded{empheq}
13128 \bidi@isloaded{overpic}
13129 \bidi@isloaded{pdfpages}
13130 \bidi@isloaded{listings}
13131 \bidi@isloaded{lettrine}
13132 \bidi@isloaded{lineno}
13133 \bidi@isloaded{media9}
13134 \bidi@isloaded{pstricks}
13135 \bidi@isloaded{pgf}
13136 \bidi@isloaded{picinpar}
13137 \bidi@isloaded{quotchap}
13138 \bidi@isloaded{tikz}
13139 \bidi@isloaded{titlesec}
13140 \bidi@isloaded{titletoc}
13141 \bidi@isloaded{array}
13142 \bidi@isloaded{soul}
13143 \bidi@isloaded{stabular}
13144 \bidi@isloaded{subfig}
13145 \bidi@isloaded{subfigure}
13146 \bidi@isloaded{supertabular}
13147 \bidi@isloaded{xtab}
13148 \bidi@isloaded{longtable}
13149 \bidi@isloaded{arydshln}
13150 \bidi@isloaded{multicol}
13151 \bidi@isloaded{multienum}
13152 \bidi@isloaded{minitoc}
13153 \bidi@isloaded{natbib}
13154 \bidi@isloaded{newfloat}
13155 \bidi@isloaded{ragged2e}
13156 \bidi@isloaded{rotating}
13157 \bidi@isloaded{tbls}
13158 \bidi@isloaded{tabulary}
13159 \bidi@isloaded{tocbasic}
13160 \bidi@isloaded{tocstyle}
13161 \bidi@isloaded{tocbibind}
13162 \bidi@isloaded{fontspec}
13163 \bidi@isloaded{arabxetex}
13164 \bidi@isloaded{polyglossia}
13165 \bidi@isloaded{fancyvrb}
13166 \AtBeginDocument{
13167   \if@bidi@amsmathloaded@else
13168     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package}{}]
13169   \fi%

```





```

13170 \if@bidi@amstextloaded@else
13171 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package.}{}]
13172 \fi%
13173 \if@bidi@amsthmloaded@else
13174 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package.}{}]
13175 \fi%
13176 \if@bidi@animateloaded@else
13177 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package animate after bidi package.}{}]
13178 \fi%
13179 \if@bidi@breqnloaded@else
13180 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package.}{}]
13181 \fi%
13182 \if@bidi@calsloaded@else
13183 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package.}{}]
13184 \fi%
13185 \if@bidi@captionloaded@else
13186 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package.}{}]
13187 \fi%
13188 \if@bidi@croplloaded@else
13189 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package.}{}]
13190 \fi%
13191 \if@bidi@colorloaded@else
13192 \@ifpackageloaded{hyperref}{}{}
13193 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package.}{}]
13194 \fi%
13195 \if@bidi@cutwinloaded@else
13196 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package.}{}]
13197 \fi%
13198 \if@bidi@cutedloaded@else
13199 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package.}{}]
13200 \fi%
13201 \if@bidi@dblnfnotloaded@else
13202 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.}{}]
13203 \fi%
13204 \if@bidi@diagboxloaded@else
13205 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package diagbox after bidi package.}{}]
13206 \fi%
13207 \if@bidi@xcolorloaded@else
13208 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package.}{}]
13209 \fi%
13210 \if@bidi@colortblloaded@else
13211 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.}{}]
13212 \fi%
13213 \if@bidi@floatloaded@else
13214 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package.}{}]
13215 \fi%
13216 \if@bidi@floatrowloaded@else
13217 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.}{}]
13218 \fi%
13219 \if@bidi@flowframloaded@else

```



```

13220 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi packa
13221 \fi%
13222 \if@bidi@framedloaded@else
13223 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package
13224 \fi%
13225 \if@bidi@ftnrightloaded@else
13226 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi packa
13227 \fi%
13228 \if@bidi@xltxttraloaded@else
13229 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxttra after bidi packa
13230 \fi%
13231 \if@bidi@xunicodeloaded@else
13232 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi packa
13233 \fi%
13234 \if@bidi@wrapfigloaded@else
13235 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi packa
13236 \fi%
13237 \if@bidi@graphicxloaded@else
13238 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi packa
13239 \fi%
13240 \if@bidi@geometryloaded@else
13241 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi packa
13242 \fi%
13243 \if@bidi@hvfloatloaded@else
13244 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi packa
13245 \fi%
13246 \if@bidi@mdframedloaded@else
13247 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi packa
13248 \fi%
13249 \if@bidi@midfloatloaded@else
13250 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi packa
13251 \fi%
13252 \if@bidi@ntheoremloaded@else
13253 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi packa
13254 \fi%
13255 \if@bidi@hyperrefloaded@else
13256 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi packa
13257 \fi%
13258 \if@bidi@fancyboxloaded@else
13259 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi packa
13260 \fi%
13261 \if@bidi@fancyhdrloaded@else
13262 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi packa
13263 \fi%
13264 \if@bidi@draftwatermarkloaded@else
13265 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bid
13266 \fi%
13267 \if@bidi@empheqloaded@else
13268 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package
13269 \fi%

```



```

13270 \if@bidi@overpicloaded@else
13271 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package overpic after bidi packag
13272 \fi%
13273 \if@bidi@pdfpagesloaded@else
13274 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi packa
13275 \fi%
13276 \if@bidi@lettrineloaded@else
13277 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi packa
13278 \fi%
13279 \if@bidi@linenoloaded@else
13280 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lineno after bidi packag
13281 \fi%
13282 \if@bidi@listingsloaded@else
13283 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi packa
13284 \fi%
13285 \csname if@bidi@media9loaded@endcsname\else
13286 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package media9 after bidi packag
13287 \fi%
13288 \if@bidi@pstricksloaded@else
13289 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi packa
13290 \fi%
13291 \if@bidi@pgfloaded@else
13292 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package.
13293 \fi%
13294 \if@bidi@picinparloaded@else
13295 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi packa
13296 \fi%
13297 \if@bidi@quotchaploaded@else
13298 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi packa
13299 \fi%
13300 \if@bidi@tikzloaded@else
13301 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package.
13302 \fi%
13303 \if@bidi@titlesecloaded@else
13304 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi packa
13305 \fi%
13306 \if@bidi@titletocloaded@else
13307 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi packa
13308 \fi%
13309 \if@bidi@arrayloaded@else
13310 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package
13311 \fi%
13312 \if@bidi@stabularloaded@else
13313 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi packa
13314 \fi%
13315 \if@bidi@soulloaded@else
13316 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package soul after bidi package.
13317 \fi%
13318 \if@bidi@subfigloaded@else
13319 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package

```



```

13320 \fi%
13321 \if@bidi@subfigureloaded@else
13322 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi pack
13323 \fi%
13324 \if@bidi@supertabularloaded@else
13325 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi p
13326 \fi%
13327 \if@bidi@xtabloaded@else
13328 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package.
13329 \fi%
13330 \if@bidi@longtableloaded@else
13331 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi pack
13332 \fi%
13333 \if@bidi@arydshlnloaded@else
13334 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi packa
13335 \fi%
13336 \if@bidi@multicolloaded@else
13337 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi packa
13338 \fi%
13339 \if@bidi@multienumloaded@else
13340 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi pack
13341 \fi%
13342 \if@bidi@minitocloaded@else
13343 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi packa
13344 \fi%
13345 \if@bidi@natbibloaded@else
13346 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package
13347 \fi%
13348 \if@bidi@newfloatloaded@else
13349 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi packa
13350 \fi%
13351 \csname if@bidi@ragged2eloaded@endcsname\else
13352 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi packa
13353 \fi%
13354 \if@bidi@rotatingloaded@else
13355 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi packa
13356 \fi%
13357 \if@bidi@tablsloaded@else
13358 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabls after bidi package
13359 \fi%
13360 \if@bidi@tabularyloaded@else
13361 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi packa
13362 \fi%
13363 \if@bidi@tocbasicloaded@else
13364 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbasic after bidi packa
13365 \fi%
13366 \if@bidi@tocstyleloaded@else
13367 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi packa
13368 \fi%
13369 \if@bidi@tocbibindloaded@else

```



```

13370 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi pack
13371 \fi%
13372 \if@bidi@fontspecloaded@else
13373 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi pack
13374 \fi%
13375 \if@bidi@arabxetexloaded@else
13376 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi pack
13377 \fi%
13378 \if@bidi@polyglossialoaded@else
13379 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi p
13380 \fi%
13381 \if@bidi@fancyvrbloaded@else
13382 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi pack
13383 \fi%
13384 }

```

## 77 File longtable-xetex-bidi.def

```

13385 \ProvidesFile{longtable-xetex-bidi.def}[2016/09/09 v0.4 bidi adaptations for longtable package]
13386 \def\LT@array[#1]#2{%
13387 \refstepcounter{table}\stepcounter{LT@tables}%
13388 \if l#1%
13389 \if@RTLtab\LTleft\fill \LTright\z@ \else\LTleft\z@ \LTright\fill\fi
13390 \else\if r#1%
13391 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
13392 \else\if c#1%
13393 \LTleft\fill \LTright\fill
13394 \fi\fi\fi
13395 \let\LT@mcol\multicolumn
13396 \let\LT@@tabarray\@tabarray
13397 \let\LT@@hl\hline
13398 \def\@tabarray{%
13399 \let\hline\LT@@hl
13400 \LT@@tabarray}%
13401 \let\LT@tabularcr\let\tabularnewline\\
13402 \def\newpage{\noalign{\break}}%
13403 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
13404 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
13405 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
13406 \@tempdima\ht\strutbox
13407 \let\@endpbox\LT@endpbox
13408 \ifx\extrarowheight\@undefined
13409 \let\@acol\@tabacol
13410 \let\@classz\@tabclassz \let\@classiv\@tabclassiv
13411 \def\@startpbox{\vtop\LT@startpbox}%
13412 \let\@@startpbox\@startpbox
13413 \let\@@endpbox\@endpbox
13414 \let\LT@LL@FM@cr\@tabularcr
13415 \else
13416 \advance\@tempdima\extrarowheight

```



```

13417 \col@sep\tabcolsep
13418 \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
13419 \fi
13420 \setbox\@arstrutbox\hbox{\vrule
13421 \@height \arraystretch \@tempdima
13422 \@depth \arraystretch \dp \strutbox
13423 \@width \z@}%
13424 \let\@sharp#\let\protect\relax
13425 \begingroup
13426 \mkpream{#2}%
13427 \xdef\LT@bchunk{%
13428 \global\advance\c@LT@chunks\@ne
13429 \global\LT@rows\z@\setbox\z@\vbox\bgroup
13430 \LT@setprevdepth
13431 \tabskip\LTleft\noexpand\halign to\hsize\bgroup
13432 \tabskip\z@ \@arstrut \@preamble \tabskip\LTRight \cr}%
13433 \endgroup
13434 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
13435 \LT@make@row
13436 \m@th\let\par\@empty
13437 \everycr{}\lineskip\z@\baselineskip\z@
13438 \LT@bchunk}
13439 \def\LT@makecaption#1#2#3{%
13440 \LT@mcol\LT@cols c{\hbox to\z@{\hss\parbox[t]\LTcapwidth{%
13441 \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
13442 \ifdim\wd\@tempboxa>\hsize
13443 #1{#2: }#3%
13444 \else
13445 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
13446 \fi
13447 \endgraf\vskip\baselineskip}%
13448 \hss}}}
13449 \ifpackageloaded{caption}{%
13450 \renewcommand\LT@makecaption[3]{%
13451 \caption@LT@make{%
13452 \caption@settype*\LTcaptype
13453 \ifdim\LTcapwidth=4in \else
13454 \setcaptionwidth\LTcapwidth
13455 \fi
13456 \caption@setoptions{longtable}%
13457 \caption@setoptions{@longtable}%
13458 \caption@LT@setup
13459 \caption@setautoposition{\ifcase\LT@rows t\else b\fi}%
13460 \caption@startrue#1\caption@starfalse
13461 \caption@prepare@stepcounter\LTcaptype{LT}%
13462 \caption@begin\LTcaptype
13463 \caption@normalsize
13464 \vskip-\ht\strutbox
13465 \caption@iftop{\vskip\belowcaptionskip}{\vskip\abovecaptionskip}%
13466 \caption@@make{#2}{#3}\endgraf

```



```

13467         \caption@iftop{\vskip\abovecaptionskip}{\vskip\belowcaptionskip}%
13468         \caption@end}}%
13469 }{}
13470 \def\LT@startpbox#1{%
13471   \bgroup
13472   \let\@footnotetext\LT@p@ftntext
13473   \let\@LTRfootnotetext\LT@p@LTRftntext
13474   \let\@RTLfootnotetext\LT@p@RTLftntext
13475   \setlength\hsize{#1}%
13476   \@arrayparboxrestore
13477   \vrule \@height \ht\@arstrutbox \@width \z@}
13478 \def\LT@p@LTRftntext#1{%
13479   \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
13480   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13481 \def\LT@p@RTLftntext#1{%
13482   \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
13483   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
13484
13485
13486 \def\LT@output{%
13487   \ifnum\outputpenalty <-\@Mi
13488     \ifnum\outputpenalty > -\LT@end@pen
13489       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
13490     \else
13491       \setbox\z@\vbox{\unvbox\@cclv}%
13492       \ifdim \ht\LT@lastfoot>\ht\LT@foot
13493         \dimen@ \pagegoal
13494         \advance\dimen@-\ht\LT@lastfoot
13495         \ifdim\dimen@<\ht\z@
13496           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
13497           \@makecol
13498           \@outputpage
13499           \setbox\z@\vbox{\box\LT@head}%
13500         \fi
13501       \fi
13502       \global\@colroom\@colht
13503       \global\vsizel\colht
13504       \vbox
13505       { \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot
13506       \fi
13507     \else
13508       \setbox\@cclv\vbox{\if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi\unvbox\@cclv\copy\LT@foot
13509       \@makecol
13510       \@outputpage
13511       \global\vsizel\colroom
13512       \copy\LT@head\nobreak
13513     \fi}

```

## 78 File mathtools-xetex-bidi.def



```

13514 \ProvidesFile{mathtools-xetex-bidi.def}[2018/01/07 v0.1 bidi adaptations for mathtools package]
13515 \MHInternalSyntaxOn
13516 \def\MT_define_tagform:nwnn #1[#2]#3#4{
13517   \@namedef{MT_tagform_#1:n}##1
13518     {\maketag@@@{\if@nonlatin\beginR\fi#3\kern\z@ \ignorespaces#2{##1}\unskip\@italiccorr#4\i}
13519 }
13520 \renewtagform{default}{\{()\}}
13521 \MHInternalSyntaxOff

```

## 79 File mdframed-xetex-bidi.def

```

13522 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package]
13523 \newif\if@bidi@mdf@RTL
13524 \def\mdf@lrbox#1{%
13525   \mdf@patchamsthm%patch amsthm
13526   \if@RTL\@bidi@mdf@RTLtrue\fi%
13527   \@RTLfalse%
13528   \setbox#1\vbox\bgroup%
13529   \color@begingroup%
13530   \if@bidi@mdf@RTL\@RTLtrue\fi%
13531   \mdf@horizontalmargin@equation%
13532   \columnwidth=\hsize%
13533   \textwidth=\hsize%
13534   \let\if@nobreak\iffalse%
13535   \let\if@noskipsec\iffalse%
13536   \let\par\@par%
13537   \let\-\@dischyph%
13538   \let'\@acci\let\` \@accii\let\=\@acciii%
13539   \parindent\z@ \parskip\z@skip%
13540   \linewidth\hsize%
13541   \@totalleftmargin\z@%
13542   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
13543   \parfillskip\@flushglue \lineskip\normallineskip%
13544   \baselineskip\normalbaselineskip%
13545 %% \sloppy%
13546   \let\\\@normalcr%
13547   \mdf@par@local%New feature to restore parskip/parindent local in save box
13548   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
13549   \@afterindentfalse%
13550   %\@afterheading%
13551 }
13552 \renewrobustcmd\mdfframedtitleenv[1]{%
13553   \mdf@lrbox{\mdf@frametitlebox}%
13554   \mdf@frametitlealignment%
13555   \leavevmode{\color{\mdf@frametitlefontcolor}%
13556     \normalfont\mdf@frametitlefont{#1}
13557     \ifbool{mdf@ignorelastdescenders}%
13558       {%
13559         \par\strut\par
13560         \unskip\unskip\setbox0=\lastbox

```





```

13561         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
13562     }{}%
13563     \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
13564     \endmdf@lrbox\relax%
13565     \mdf@ignorevbadness%
13566     \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
13567     \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
13568     \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
13569     \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
13570     \mdfframetitleboxtotalheight=\dimexpr
13571         \ht\mdf@frametitlebox
13572         +\dp\mdf@frametitlebox%
13573         +\mdf@frametitleaboveskip@length
13574         +\mdf@frametitlebelowskip@length
13575         \relax%
13576 }
13577
13578 \renewrobustcmd*\mdf@footnoteoutput{%
13579     \ifvoid\@mpfootins\else%
13580         \nobreak%
13581         \vskip\mdf@footnotedistance@length%
13582         \normalcolor%
13583         \bidi@mpfootnoterule%
13584         \unvbox\@mpfootins%
13585     \fi%
13586 }
13587
13588
13589 \renewrobustcmd*\mdf@footnoteinput{%
13590     \def\@mpfn{mpfootnote}%
13591     \def\thempfn{\thempfootnote}%
13592     \c@mpfootnote\z@%
13593     \let\@footnotetext\@mpfootnotetext%
13594     \let\@LTRfootnotetext\@mpLTRfootnotetext%
13595     \let\@RTLfootnotetext\@mpRTLfootnotetext%
13596 }

```

## 80 File bidi-media9.sty

```

13597 \ProvidesExplPackage{bidi-media9}{2017/08/27}{0.3}
13598 {bidi fixes for media9 package for the XeTeX engine}
13599
13600 \keys_define:nn{media9/mbtn}{
13601     draft .code:n = {},
13602     final .code:n = {},
13603
13604     tooltip .tl_gset_x:N = \g_mix_tooltip_tl,
13605     tooltip .value_required:n = {true},
13606
13607     overface .code:n = {

```



```

13608 \sbox\l_mix_poster_box{
13609 \bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13610 \mix_pdfxform:n{\l_mix_poster_box}
13611 \tl_gset:Nx\g_mix_overbtn_tl{\mix_pdflastxform:}
13612 },
13613 overface .value_required:n = {true},
13614
13615 downface .code:n = {
13616 \sbox\l_mix_poster_box{
13617 \bool_if:NTF\g_pbs_landscape_bool{\rotatebox{90}{#1}}{\if@RTL\beginR\fi#1\if@RTL\endR\fi}}
13618 \mix_pdfxform:n{\l_mix_poster_box}
13619 \tl_gset:Nx\g_mix_downbtn_tl{\mix_pdflastxform:}
13620 },
13621 downface .value_required:n = {true},
13622
13623 3Dgotoview .code:n = {
13624 \tl_set:Nx\l_tmpa_tl{#1} %extract ref
13625 \regex_replace_once:nnN{([~:~+):??.*}{\1}\l_tmpa_tl
13626 \tl_trim_spaces:N\l_tmpa_tl
13627 \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13628 \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13629 \tl_set:Nx\l_tmpb_tl{#1} %extract idx
13630 \regex_replace_once:nnN{([~:~+):??.*}{\1}\l_tmpb_tl
13631 \tl_trim_spaces:N\l_tmpb_tl
13632 \tl_if_blank:VF\l_tmpb_tl{
13633 \regex_match:nVTF{^[DFLNP]$}\l_tmpb_tl{
13634 \tl_set:Nx\l_mix_vidx_tl{/}\l_tmpb_tl}
13635 }{
13636 \regex_match:nVTF{^[~d+$]\l_tmpb_tl{
13637 \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
13638 }{
13639 \regex_replace_once:nnN{^[~\s*]}{\1}\l_tmpb_tl
13640 \regex_replace_once:nnN{\s*}\l_tmpb_tl{
13641 \tl_set:Nx\l_mix_vidx_tl{~}\l_tmpb_tl}
13642 }
13643 }
13644 }
13645 \mix_pdfobj:nnn{}{dict}{
13646 /S/JavaScript/JS~(
13647 if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13648 if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13649 annotRM['\l_tmpa_tl']=
13650 this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13651 }
13652 annotRM['\l_tmpa_tl'].activated=true;
13653 )
13654 \tl_if_blank:VF\l_tmpb_tl{
13655 /Next~<<
13656 /S/GoTo3DView
13657 /TA~\tl_use:c{ann@\l_tmpa_tl}

```



```

13658         /V\l_mix_vidx_tl
13659     >>
13660     }
13661 }
13662 \tl_gput_right:Nx\g_mix_btnactions_tl{\mix_pdflastobj:}
13663 }
13664 }{
13665     \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13666     \cs_if_exist:NF\g_mix_refundefwarned_tl{
13667         \tl_new:N\g_mix_refundefwarned_tl
13668         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13669     }
13670 }
13671 },
13672 3Dgotoview .value_required:n = {true},
13673
13674 mediacommand .code:n = {
13675     \tl_set:Nx\l_tmpa_tl{#1}
13676     \regex_replace_once:nnN{([^\:]+):??.*}{\1}\l_tmpa_tl %extract ref
13677     \tl_trim_spaces:N\l_tmpa_tl
13678     \tl_if_exist:cTF{ann@\l_tmpa_tl}{
13679         \str_if_eq_x:nnF{\tl_use:c{ann@\l_tmpa_tl}}{draft}{
13680             \tl_set:Nx\l_tmpb_tl{#1}
13681             \regex_replace_once:nnN{([^\:]+\:)?}{\1}\l_tmpb_tl
13682             \tl_trim_spaces:N\l_tmpb_tl
13683             \regex_replace_all:nnN{^\\{|\}$}{\1}\l_tmpb_tl
13684             \tl_set:Nx\l_mix_cmd_tl{
13685                 \exp_after:wN\mix_separate_cmd_from_actn:w\l_tmpb_tl[]\q_stop}
13686             \tl_trim_spaces:N\l_mix_cmd_tl
13687             \tl_set:Nx\l_mix_arg_tl{
13688                 \exp_after:wN\mix_separate_arg_from_actn:w\l_tmpb_tl[]\q_stop}
13689             \tl_trim_spaces:N\l_mix_arg_tl
13690             \mix_pdfobj:nnn{}{dict}{
13691                 /S/JavaScript/JS~(
13692                     if(typeof(annotRM)=='undefined'){annotRM=new-Array();}
13693                     if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13694                         annotRM['\l_tmpa_tl']=
13695                             this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13696                     }
13697                     annotRM['\l_tmpa_tl'].activated=true;
13698                 )
13699             \tl_if_blank:VF\l_mix_cmd_tl{
13700                 /Next~<<
13701                 /S/RichMediaExecute
13702                 /TA~\tl_use:c{ann@\l_tmpa_tl}
13703                 /TI~\tl_use:c{main@\l_tmpa_tl}
13704                 /CMD~<<
13705                 /C~(\l_mix_cmd_tl)
13706                 \tl_if_blank:VF\l_mix_arg_tl{
13707                     /A~[\l_mix_arg_tl]

```



```

13708         }
13709         >>
13710         >>
13711     }
13712 }
13713 \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13714 }
13715 }{
13716   \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13717   \cs_if_exist:NF\g_mix_refundefwarned_tl{
13718     \tl_new:N\g_mix_refundefwarned_tl
13719     \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13720   }
13721 }
13722 },
13723 mediacommand .value_required:n = {true},
13724
13725 jsaction .code:n = {
13726   \tl_set:Nx\l_tmpa_tl{#1}
13727   \regex_match:nVTF{^[^\{:\}+:\.*$}\l_tmpa_tl{
13728     \regex_replace_once:nnN{([^\{:\}+:\.]*):\{[^\{:\}+:\.]*}\l_tmpa_tl %extract ref
13729     \tl_trim_spaces:N\l_tmpa_tl
13730   }{\tl_clear:N\l_tmpa_tl}
13731   \tl_set:Nx\l_tmpb_tl{#1}
13732   \tl_if_blank:VF\l_tmpa_tl{
13733     \tl_if_exist:cF{ann@\l_tmpa_tl}{
13734       \msg_warning:nnx{media9}{undefined-reference}{\l_tmpa_tl}
13735       \cs_if_exist:NF\g_mix_refundefwarned_tl{
13736         \tl_new:N\g_mix_refundefwarned_tl
13737         \AtEndDocument{\msg_warning:nn{media9}{undefined-references}}
13738       }
13739     }
13740     \regex_replace_once:nnN{[^\{:\}+:\.]*):\{[^\{:\}+:\.]*}\l_tmpb_tl
13741   }
13742   \tl_set:Nx\l_tmpb_tl{\exp_after:wN\use:n\l_tmpb_tl}
13743   \tl_trim_spaces:N\l_tmpb_tl
13744   \tl_if_blank:VF\l_tmpb_tl{
13745     \mix_pdfobj:nnn{}{dict}{
13746       /S/JavaScript/JS~(
13747         try{\l_tmpb_tl}catch(e){console.show();console.println(e)}}}
13748     \bool_lazy_and:nnT{
13749       \tl_if_exist_p:c{ann@\l_tmpa_tl}
13750     }{
13751       !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13752     }{
13753       \mix_pdfobj:nnn{}{dict}{
13754         /S/JavaScript/JS~(
13755           if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
13756           if(typeof(annotRM['\l_tmpa_tl'])=='undefined'){
13757             annotRM['\l_tmpa_tl']=

```



```

13758         this.getAnnotRichMedia(\tl_use:c{page@\l_tmpa_tl},'\l_tmpa_tl');
13759     }
13760     annotRM['\l_tmpa_tl'].activated=true;
13761 )
13762 \tl_if_blank:VF\l_tmpb_tl{/Next~\mix_pdflastobj:}
13763 }
13764 }
13765 \bool_if:nT{
13766     \bool_lazy_and_p:nn{
13767         \tl_if_exist_p:c{ann@\l_tmpa_tl}
13768     }{
13769         !\str_if_eq_x_p:nn{\tl_use:c{ann@\l_tmpa_tl}}{draft}
13770     }
13771     || !\tl_if_blank_p:V\l_tmpb_tl
13772 }{
13773     \tl_gput_right:Nx\g_mix_btnactions_tl{~\mix_pdflastobj:}
13774 }
13775 },
13776 jsaction .value_required:n = {true},
13777
13778 unknown .code:n = {
13779     \msg_error:nnx{media9}{unknown~option}{\l_keys_key_tl}
13780 }
13781 }
13782
13783 \RenewDocumentCommand\includemedia{0{}mm}{%#1 options, #2 text/image #3 media file
13784     \mix_uriend:
13785     \group_begin:
13786     \mix_beginLTR:
13787     \leavevmode
13788     %empty stream as appearance dummy
13789     \cs_if_exist:NF\g_mix_appearance_tl{
13790         \hbox_set:Nn\l_mix_poster_box{\phantom{\rule{1pt}{1pt}}}
13791         \mix_pdfxform:n{\l_mix_poster_box}
13792         \tl_gset:Nx\g_mix_appearance_tl{\mix_pdflastxform:}
13793     }
13794     \mix_reset:
13795     \mix_urbegin:%treat URI characters correctly
13796     \keys_set:nn{media9/user}{#1}
13797     \mix_uriend:
13798     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~&}{&}
13799     \tl_greplace_all:Nnn\g_mix_flashvars_tl{&~}{&}
13800     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
13801     \tl_greplace_all:Nnn\g_mix_flashvars_tl{~=}{=}
13802     \tl_gtrim_spaces:N\g_mix_flashvars_tl
13803
13804     \cs_if_exist:NT\Ginput@path{\cs_set_eq:NN\input@path\Ginput@path}
13805
13806     %\hbox_set:Nn\l_mix_poster_box{\group_begin:#2\group_end:}
13807     %\hbox_set:Nn\l_mix_poster_box{#2}

```



```

13808 \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
13809 \mix_scale:n{\l_mix_poster_box}
13810 \bool_if:nT{
13811   \dim_compare_p:n{\g_mix_tt_tl=\c_zero_dim}||
13812   \dim_compare_p:n{\g_mix_wd_tl=\c_zero_dim}
13813 }{
13814   \tl_gset:Nn\g_mix_usrpbtn_tl{none}
13815 }
13816 \bool_if:NTF\g_mix_usrdraft_bool{
13817   \tl_if_empty:NF\g_mix_usrlabel_tl{
13818     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{draft}
13819   }
13820   \tl_if_blank:oTF{#2}{
13821     \mix_uribegin: %treat URI characters correctly
13822     \mix_draftbox:n{\tl_to_str:n{#3}}
13823     \mix_uriend:
13824   }{
13825     \hbox_to_wd:nn{\g_mix_wd_tl}{
13826       \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl
13827       \box_use:N\l_mix_poster_box\hss
13828     }
13829   }
13830 }{
13831   \bool_if:nF{\str_if_eq_p:Vn\g_mix_usrpbtn_tl{none}}{
13832     %attach script that switches off play button overlay upon activation
13833     \mix_pdfobj:nnn{}{stream}{
13834       {}{
13835         var~ocgs=host.getOCGs(host.pageNum);
13836         for(var~i=0;i<ocgs.length;i++){
13837           if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
13838             ocgs[i].state=false;
13839           }
13840         }
13841       }
13842     }
13843     \mix_pdfobj:nnn{}{dict}{
13844       /Type/Filespec/EF~<</F~\mix_pdflastobj:>>/F~(btnoff)%/UF~(btnoff)
13845     }
13846     \tl_gset:Nx\g_mix_assets_tl{(btnoff)~\mix_pdflastobj:}
13847     \tl_set:Nx\l_mix_scripts_tl{~\mix_pdflastobj:~}
13848     %enforce plain playbutton overlay for XeTeX
13849     \sys_if_engine_xetex:T{\tl_gset:Nn\g_mix_usrpbtn_tl{plain}}
13850   }
13851   %embed main asset
13852   \mix_uribegin:
13853   \mix_embedasset:n{#3}
13854   \bool_if:nTF{
13855     \str_if_eq_p:Vn\l_mix_ext_tl{prc}||\str_if_eq_p:Vn\l_mix_ext_tl{u3d}
13856   }{
13857     \bool_gset_true:N\g_mix_iiid_bool

```



```

13858     \tl_gset:Nn\g_mix_mainassetssub_tl{3D}
13859   }{
13860     \str_case:x:nnF{\l_mix_base_tl}{
13861       {APlayer}{\tl_gset:Nn\g_mix_mainassetssub_tl{Sound}}
13862       {AudioPlayer}{\tl_gset:Nn\g_mix_mainassetssub_tl{Sound}}
13863       {VPlayer}{\tl_gset:Nn\g_mix_mainassetssub_tl{Video}}
13864       {VideoPlayer}{\tl_gset:Nn\g_mix_mainassetssub_tl{Video}}
13865       {StrobeMediaPlayback}{\tl_gset:Nn\g_mix_mainassetssub_tl{Video}}
13866     }{\tl_gset:Nn\g_mix_mainassetssub_tl{Flash}}
13867   }
13868   \tl_gset:Nx\g_mix_mainasset_tl{~\g_mix_lastasset_tl}
13869   \mix_uriend:
13870   %secondary assets (added by addresource)
13871   \seq_map_function:NN\g_mix_res_seq\mix_embedasset:n
13872   \seq_map_inline:Nn\g_mix_script_seq{
13873     \mix_embedasset:n{##1}
13874     \tl_put_right:Nx\l_mix_scripts_tl{~\g_mix_lastasset_tl}
13875   }
13876   %attach 3D calculation script
13877   \bool_if:nT{\g_mix_iiid_bool && \g_mix_iiidcalc_bool}{
13878     \mix_embedasset:n{3Dmenu.js}
13879     \tl_put_left:Nx\l_mix_scripts_tl{\g_mix_lastasset_tl~}
13880   }
13881   %create 3D views from file (option 3Dviews)
13882   \bool_if:nT{\g_mix_iiid_bool && !(\tl_if_blank_p:V\g_mix_vfile_tl)}{
13883     \tl_set:Nn\l_mix_level_tl{c_minus_one}
13884     \int_zero:N\l_mix_viewcnt_int
13885     \int_zero:N\l_mix_lineno_int
13886
13887     \ior_open:Nn\l_mix_vfile_stream{\g_mix_vfile_tl}
13888     \ior_map_inline:Nn\l_mix_vfile_stream{
13889       \int_incr:N\l_mix_lineno_int
13890       \keys_set:nn{media9/views}{##1} %process input line
13891     }
13892     \ior_close:N\l_mix_vfile_stream
13893   }
13894   \bool_if:nT{ %create default 3D view if required
13895     \g_mix_iiid_bool &&
13896     (\g_mix_opt_iiidview_bool || \tl_if_blank_p:V\l_mix_iiidviewarray_tl)
13897   }{
13898     \tl_set_eq:NN\l_mix_bg_tl\g_mix_opt_bg_tl
13899     \tl_set_eq:NN\l_mix_ls_tl\g_mix_opt_ls_tl
13900     \tl_set_eq:NN\l_mix_rm_tl\g_mix_opt_rm_tl
13901     \tl_set_eq:NN\l_mix_psob_tl\g_mix_opt_psob_tl
13902     \tl_set_eq:NN\l_mix_coo_tl\g_mix_opt_coo_tl
13903     \tl_set_eq:NN\l_mix_ctoc_tl\g_mix_opt_ctoc_tl
13904     \tl_set_eq:NN\l_mix_ciiw_tl\g_mix_opt_ciiw_tl
13905
13906     \fp_set_eq:NN\l_mix_roo_fp\g_mix_opt_roo_fp
13907     \fp_set_eq:NN\l_mix_aac_fp\g_mix_opt_aac_fp

```



```

13908 \fp_set_eq:NN\l_mix_oscale_fp\g_mix_opt_oscale_fp
13909 \fp_set_eq:NN\l_mix_roll_fp\g_mix_opt_roll_fp
13910
13911 \bool_set_eq:NN\l_mix_ciiw_bool\g_mix_opt_ciiw_bool
13912 \bool_set_eq:NN\l_mix_iiidortho_bool\g_mix_opt_iiidortho_bool
13913 \tl_clear:N\l_mix_naarray_tl
13914
13915 \bool_if:NF\l_mix_ciiw_bool{
13916   \tl_set:Nx\l_mix_args_tl{\l_mix_coo_tl\space\l_mix_ctoc_tl\space}
13917   \exp_after:wN\mix_calc_ciiw:w\l_mix_args_tl\q_stop
13918 }
13919
13920 \tl_clear:N\l_mix_naarray_tl
13921 \tl_clear:N\l_mix_saarray_tl
13922 \tl_set_eq:NN\l_mix_nr_tl\g_mix_nrdflt_tl
13923
13924 \mix_view:n{Default}
13925 \tl_set:Nx\l_mix_dfltview_tl{\mix_pdflastobj:}
13926
13927 }
13928 \mix_pdfobj:nnn{}{dict}{
13929   /Type/RichMediaInstance
13930   /Subtype/\g_mix_mainassetsub_tl
13931   /Asset~\g_mix_mainasset_tl
13932   \bool_if:NF\g_mix_iiid_bool{
13933     /Params~<<
13934     /Binding\str_if_eq:VnTF\g_mix_transp_tl{true}{
13935       /Foreground
13936     }{
13937       /Background
13938     }
13939     \tl_if_blank:VF\g_mix_flashvars_tl{
13940       /FlashVars~(\g_mix_flashvars_tl)
13941     }
13942     >>
13943   }
13944 }
13945 \tl_if_empty:NF\g_mix_usrlabel_tl{
13946   \mix_keytoaux_now:nn{main@\g_mix_usrlabel_tl}{\mix_pdflastobj:}
13947 }
13948 \mix_pdfobj:nnn{}{dict}{
13949   /Type/RichMediaConfiguration
13950   /Subtype/\g_mix_mainassetsub_tl
13951   /Instances~[\mix_pdflastobj:]
13952 }
13953 \mix_pdfobj:nnn{}{dict}{
13954   /Type/RichMediaContent
13955   /Assets~<</Names~[\g_mix_assets_tl]>>
13956   /Configurations~[\mix_pdflastobj:]
13957   \bool_if:nT{

```





```

13958     \g_mix_iid_bool && !(\tl_if_empty_p:V\l_mix_iidviewarray_tl)
13959   }{
13960     /Views~[\l_mix_iidviewarray_tl]
13961   }
13962 }
13963 \tl_set:Nx\l_mix_content_tl{\mix_pdflastobj.}
13964 \bool_if:nT{
13965   \g_mix_iid_bool && \str_if_eq_p:Vn\g_mix_playtpe_tl{Oscillating}
13966 }{
13967   \tl_gset:Nx\g_mix_playcnt_tl{\int_eval:n{\g_mix_playcnt_tl*2}}
13968 }
13969 %determine floating window size
13970 \bool_if:NT\g_mix_opt_windowed_bool{
13971   \exp_after:wN\mix_parse_winsizearg:w\g_mix_winsize_tl\q_stop
13972 }
13973 \mix_pdfobj:nnn{}{dict}{
13974   /Activation~<<
13975   /Condition\g_mix_act_tl
13976   \bool_if:nT{
13977     \g_mix_iid_bool &&
13978     !(\str_if_eq_p:Vn\g_mix_playtpe_tl{None})
13979   }{%seems to work only with 3D content
13980     /Animation~<<
13981     /Subtype/\g_mix_playtpe_tl
13982     /PlayCount~\g_mix_playcnt_tl
13983     /Speed~\g_mix_playspd_tl
13984     >>
13985   }
13986   \bool_if:nT{
13987     \g_mix_iid_bool && (
13988       \g_mix_opt_iidview_bool || \tl_if_blank_p:V\l_mix_iidviewarray_tl
13989     )
13990   }{/View~\l_mix_dfltview_tl}
13991   /Presentation~<<
13992     /Transparent~\g_mix_transp_tl
13993     \bool_if:NTF\g_mix_opt_windowed_bool{
13994       /Style/Windowed
13995     }/Window~<<
13996       /Width~<</Default~\tl_mix_fltd>>
13997       /Height~<</Default~\tl_mix_fltht>>
13998       /Position~<<
13999       /HOffset~0/VOffset~0
14000       \str_case_x:nnF{\g_mix_winpos_tl}{
14001         {tl}{/VAlign/Near/HAlign/Near}
14002         {cl}{/VAlign/Center/HAlign/Near}
14003         {bl}{/VAlign/Far/HAlign/Near}
14004         {bc}{/VAlign/Far/HAlign/Center}
14005         {br}{/VAlign/Far/HAlign/Far}
14006         {cr}{/VAlign/Center/HAlign/Far}
14007         {tr}{/VAlign/Near/HAlign/Far}

```



```

14008         {tc}{/VAlign/Near/HAlign/Center}
14009     }{/HAlign/Center/VAlign/Center}
14010     >>
14011     >>
14012     }{
14013         /Style/Embedded
14014     }
14015     \bool_if:NTF\g_mix_iiid_bool{
14016         /Toolbar~\g_mix_tools_tl
14017         /NavigationPane~\g_mix_nav_tl
14018     }{
14019         /PassContextClick~\g_mix_contextclick_tl
14020     }
14021     >>
14022     \tl_if_blank:VF\l_mix_scripts_tl{/Scripts~[\l_mix_scripts_tl]}
14023     >>
14024     /Deactivation~<</Condition\g_mix_deact_tl>>
14025 }
14026 \tl_set:Nx\l_mix_settings_tl{\mix_pdflastobj:}
14027 \tl_if_empty:NF\g_mix_usrlabel_tl{
14028     \tl_gset_eq:NN\g_mix_label_tl\g_mix_usrlabel_tl
14029 }
14030 % #1:width, #2:height, #3:depth, #4:content (key-value)
14031 \mix_pdfannot:nnnn{\g_mix_wd_tl}{\g_mix_ht_tl}{\g_mix_dp_tl}{
14032     /Subtype/RichMedia
14033     /F~4
14034     /BS~<</W~0/S/S>>
14035     /Contents~(media~embedded~by~media9~[\g_mix_version_tl~(\g_mix_date_tl)])
14036     /NM~(\g_mix_label_tl)
14037     /AP~<</N~\g_mix_appearance_tl>>
14038     /RichMediaSettings~\l_mix_settings_tl
14039     /RichMediaContent~\l_mix_content_tl
14040 }
14041 \tl_if_empty:NF\g_mix_usrlabel_tl{
14042     \mix_keytoaux_now:nn{ann@\g_mix_usrlabel_tl}{\mix_pdflastann:}
14043     \mix_keytoaux_shipout:nn{page@\g_mix_usrlabel_tl}{
14044         \noexpand\the\g@mix@page@int}
14045 }
14046 \mix_pdfobj:nnn{}{dict}{
14047     /S/JavaScript/JS~(
14048     try{
14049         if(typeof(annotRM)=='undefined'){annotRM=new~Array();}
14050         if(typeof(annotRM['\g_mix_label_tl'])=='undefined'){
14051             annotRM['\g_mix_label_tl']=
14052                 this.getAnnotRichMedia(this.pageNum,'\g_mix_label_tl');
14053         }
14054         \str_if_eq_x:nnF{\g_mix_usrpbtn_tl}{none}{
14055             if(typeof(ocgBtn\int_use:N\g_mix_rmcnt_int)=='undefined'){
14056                 var~ocgs=this.getOCGs(this.pageNum);
14057                 for(var~i=0;i<ocgs.length;i++){

```



```

14058         if(ocgs[i].name=='MediaPlayerButton\int_use:N\g_mix_rmcnt_int'){
14059             var~ocgBtn\int_use:N\g_mix_rmcnt_int=ocgs[i];
14060         }
14061     }
14062 }
14063 if(
14064     !annotRM['\g_mix_label_tl'].activated&&(
14065         app.viewerType=='Reader' ||
14066         app.viewerType=='Exchange' ||
14067         app.viewerType=='Exchange-Pro'
14068     )&&app.viewerVersion>=9
14069 ){
14070     ocgBtn\int_use:N\g_mix_rmcnt_int.state=true;
14071 }
14072 }
14073 }catch(e){}
14074 this.dirty=false;
14075 )
14076 }
14077 \mix_pdfannot:nnnn{Opt}{Opt}{Opt}{
14078     /Subtype/Widget
14079     /FT/Btn/Ff~65537/F~2
14080     /BS~<</W~0>>
14081     /T~(fd@\g_mix_label_tl)
14082     /AA~<</P0~\mix_pdflastobj:~/PV~\mix_pdflastobj:>>
14083 }
14084 \mix_appendtofields:n{\mix_pdflastann:}
14085 \hbox_overlap_right:n{\box_use:N\l_mix_poster_box}
14086 \str_if_eq_x:nnTF{\g_mix_usrpbtn_tl}{none}{
14087     \hbox_to_wd:nn{\g_mix_wd_tl}{
14088         \vrule~width~\c_zero_dim~height~\g_mix_ht_tl~depth~\g_mix_dp_tl\hss
14089     }
14090 }{%insert play button overlay
14091     \mix_insert_btnocg: %create OCG
14092     \cs_gset_eq:Nc\mix_pbtn:NN{g@mix@pbtn@\g_mix_usrpbtn_tl @tl}
14093     \group_begin:
14094     \cs_if_exist:NT\textdir{\textdir TLT}
14095     \sbox\l_mix_pbtn_box{\mix_pbtn:NN\g_mix_wd_tl\g_mix_tt_tl}
14096     \box_move_down:nn{\g_mix_dp_tl}{
14097         \hbox_to_wd:nn{\g_mix_wd_tl}{
14098             \vbox_to_ht:nn{\g_mix_tt_tl}{
14099                 \vss
14100                 \ocgbase_oc_bdc:n{\g_mix_btnocg_tl}
14101                 \box_use:N\l_mix_pbtn_box
14102                 \ocgbase_oc_emc:
14103             }
14104         }
14105     }
14106     \group_end:
14107 }

```



```

14108     \int_gincr:N\g_mix_rmcnt_int
14109   }
14110   \mix_endLTR:
14111   \group_end:
14112 }
14113 \tl_set_eq:NN\l_mix_includemedia_tl\includemedia
14114 \tl_set:Nn\includemedia{\mix_uribegin:\l_mix_includemedia_tl}
14115
14116 \RenewDocumentCommand\mediabutton{0{m}}{%#1 options, #2 normal button text
14117   \mix_urierend:
14118   \group_begin:
14119   \mix_beginLTR:
14120   \leavevmode
14121   %reset various variables
14122   \tl_gclear:N\g_mix_overbtn_tl
14123   \tl_gclear:N\g_mix_downbtn_tl
14124   \tl_gclear:N\g_mix_btnactions_tl
14125   \tl_gclear:N\g_mix_tooltip_tl
14126   %process options
14127   \bool_gset_eq:NN\g_mix_btndraft_bool\g_mix_pkgdraft_bool
14128   \mix_uribegin: %treat URI characters correctly
14129   \keys_set:nn{media9/mbtndraft}{#1} %detect draft/final on first pass
14130   \bool_if:NF\g_mix_btndraft_bool{\keys_set:nn{media9/mbtn}{#1}}
14131   \mix_urierend:
14132   %normal button appearance
14133   %\hbox_set:Nn\l_mix_poster_box{#2}
14134   \sbox\l_mix_poster_box{\if@RTL\beginR\fi#2\if@RTL\endR\fi}
14135   \tl_set:Nx\width {\dim_use:N\box_wd:N\l_mix_poster_box}
14136   \tl_set:Nx\height{\dim_use:N\box_ht:N\l_mix_poster_box}
14137   \tl_set:Nx\depth {\dim_use:N\box_dp:N\l_mix_poster_box}
14138   \bool_if:NTF\g_mix_btndraft_bool{\box_use:N\l_mix_poster_box}{
14139     \sbox\l_mix_poster_box{\bool_if:NTF\g_pbs_lscape_bool{\rotatebox{90}{
14140       \box_use:N\l_mix_poster_box}}{\box_use:N\l_mix_poster_box}}
14141     \mix_pdfxform:n{\l_mix_poster_box}
14142     \tl_set:Nx\g_mix_normalbtn_tl{\mix_pdflastxform:}
14143     %insert widget annotation
14144     \mix_pdfannot:nnnn{\width}{\height}{\depth}{
14145       /Subtype/Widget
14146       /T~(mbtn@\int_use:N\g_mix_mbtncnt_int)
14147       \tl_if_empty:NF\g_mix_tooltip_tl{/TU~(\g_mix_tooltip_tl)}
14148       /FT/Btn/Ff~65536
14149       \tl_if_empty:NTF\g_mix_downbtn_tl{/H/I}{/H/P}
14150       /AP~<<
14151       /N~\g_mix_normalbtn_tl
14152       \tl_if_empty:NF\g_mix_overbtn_tl{/R~\g_mix_overbtn_tl}
14153       \tl_if_empty:NF\g_mix_downbtn_tl{/D~\g_mix_downbtn_tl}
14154       >>
14155       /MK~<<
14156       /TP~1~/IF~<</S/A/FB~true/A~[0.0~0.0]>>
14157       /I~\g_mix_normalbtn_tl

```



```

14158      \tl_if_empty:NF\g_mix_overbtn_tl{/RI~\g_mix_overbtn_tl}
14159      \tl_if_empty:NF\g_mix_downbtn_tl{/IX~\g_mix_downbtn_tl}
14160      >>
14161      /A~<<
14162      /S/JavaScript/JS~(app.focusRect=false;)
14163      %sequence of actions to perform
14164      \tl_if_empty:NF\g_mix_btnactions_tl{/Next~[\g_mix_btnactions_tl]}
14165      >>
14166    }
14167    \mix_appendtofields:n{\mix_pdflastann:}
14168    \hbox_to_wd:nn{\width}{
14169      \vrule~width~\c_zero_dim~height~\height~depth~\depth\hss
14170    }
14171    \int_gincr:N\g_mix_mbtncnt_int
14172  }
14173  \mix_endLTR:
14174  \group_end:
14175 }
14176
14177 \tl_set_eq:NN\l_mix_mediabutton_tl\mediabutton
14178 \tl_set:Nn\mediabutton{\mix_urbegin:\l_mix_mediabutton_tl}
14179
14180

```

## 81 File memoir-xetex-bidi.def

```

14181 \ProvidesFile{memoir-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for memoir class for XeLaTeX]
14182 \renewcommand{\keepthetitle}{%
14183   \@bsmtitleempty
14184   \global\let\thanks\relax
14185   \global\let\LTRthanks\relax
14186   \global\let\RTLthanks\relax
14187   \global\let\and\relax
14188   \global\let\andnext\relax
14189   \global\let\@thanks\@empty
14190   \global\let\@title\@empty
14191   \global\let\@author\@empty
14192   \global\let\@date\@empty}
14193 \renewcommand{\maketitle}{\par
14194   \begingroup
14195     \@bsmarkseries
14196     \def\@makefnmark{\@textsuperscript{%
14197       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}%
14198     \long\def\@makefntext##1{\makethanksmark ##1}
14199     \if@twocolumn
14200       \ifnum \col@number=\@ne
14201         \@maketitle
14202       \else
14203         \twocolumn[\@maketitle]%
14204       \fi

```



```

14205 \else
14206 \ifdim\pagetotal>\z@
14207 \newpage
14208 \fi
14209 \global\@topnum\z@
14210 \@maketitle
14211 \fi
14212 \thispagestyle{title}\@thanks
14213 \endgroup
14214 \@bscontmark % \setcounter{footnote}{0}%
14215 }
14216 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
14217 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
14218 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
14219 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
14220 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
14221 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
14222 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
14223 \renewcommand*{\thesubsection}{%
14224 \thesection\@SepMark\@arabic\c@subsection}
14225 \renewcommand*{\thesubsubsection}{%
14226 \thesubsection\@SepMark\@arabic\c@subsubsection}
14227 \renewcommand*{\theparagraph}{%
14228 \thesubsubsection\@SepMark\@arabic\c@paragraph}
14229 \renewcommand*{\thesubparagraph}{%
14230 \theparagraph\@SepMark\@arabic\c@subparagraph}
14231 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}
14232 \renewcommand{\theequation}{%
14233 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
14234 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
14235 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
14236 \ifartopt
14237 \chapterstyle{article}
14238 \counterwithout{figure}{chapter}
14239 \counterwithout{table}{chapter}
14240 \counterwithout{footnote}{chapter}
14241 \counterwithout{equation}{chapter}
14242 \renewcommand{\chaptername}{%
14243 \renewcommand{\maketitlehookb}{%
14244 \vskip -1.5\topsep\vskip -1.5\partopsep}
14245 \renewcommand{\maketitlehookc}{%
14246 \vskip -1.5\topsep\vskip -1.5\partopsep}
14247 \fi
14248 \long\def\@makecaption#1#2{\let\@memtempa\relax
14249 \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
14250 \else \def\@memtempa{\vbox to\topskip{}}\fi
14251 \let\@contfnote\footnote \renewcommand{\footnote}[2][{}]{
14252 \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][{}]{
14253 \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
14254 \let\footnote\@contfnote

```



```

14255 \let\footnotemark\@contfmark
14256 \ifdim\wd\@tempboxa<\linewidth \centering \fi
14257 \if@contcw
14258   \centering
14259   \parbox{\@contcwidth}{\%
14260     \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
14261   \fi
14262 \ifdim\wd\@tempboxa<\linewidth
14263   \@contpre
14264   {\@contnfont #1\@contdelim}\@memtempa
14265   {\@contcshortstyle \@conttfont #2\@contfinal\par}
14266 \else
14267   \if@conthang
14268     \sbox\@tempboxa{\@contnfont #1\@contdelim}
14269     \@contpre%
14270     {\@contcstyle\hangindent=\wd\@tempboxa
14271       \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
14272   \else
14273     \if@contindent
14274       \@contpre%
14275       {\@contnfont #1\@contdelim}\@memtempa
14276       {\@contcstyle\hangindent=\@contindw
14277         \hangafter=\@one\@conttfont #2\@contfinal\par}% <- v1.4
14278     \else
14279       \@contpre%
14280       {\@contnfont #1\@contdelim}\@memtempa
14281       {\@contcstyle \@conttfont #2\@contfinal\par}
14282     \fi
14283   \fi
14284 \fi
14285 \@contpost
14286 \if@contcw
14287   \par
14288 } % end of the \parbox
14289 \fi
14290 \vskip\belowcaptionskip}
14291 \ifpackageloaded{caption}{\%
14292 \AtBeginPackage{caption}{
14293 \ClassWarningNoLine{memoir}{\%
14294 You are using the caption package with the memoir \MessageBreak
14295 class. This may cause unexpected or inconsistent \MessageBreak
14296 results if you use any of memoir's captioning facilities}
14297
14298 \long\def\@makecaption##1##2{\%
14299 \vskip\abovecaptionskip
14300 \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
14301 \ifdim \wd\@tempboxa >\hsize
14302   \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
14303 \else
14304   \global \@minipagefalse

```



```

14305 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
14306 \fi
14307 \vskip\belowcaptionskip}
14308
14309 \def\caption{%
14310 \ifx\@captype\@undefined
14311 \latex@error{\noexpand\caption outside float}\@ehd
14312 \expandafter\@gobble
14313 \else
14314 \refstepcounter\@captype
14315 \expandafter\@firstofone
14316 \fi
14317 {\@dblarg{\@caption\@captype}}%
14318 }
14319
14320 \long\def\@caption##1[##2]##3{%
14321 \par
14322 \addcontentsline{\csname ext@##1\endcsname}{##1}%
14323 {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
14324 \begingroup
14325 \@parboxrestore
14326 \if@minipage
14327 \@setminipage
14328 \fi
14329 \normalsize
14330 \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
14331 \endgroup}
14332 }{}
14333 \renewenvironment{thebibliography}[1]{%
14334 \bibsection
14335 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14336 \bidi@thebibliography@font@hook%
14337 \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

## 82 File midfloat-xetex-bidi.def

```

14338 \ProvidesFile{midfloat-xetex-bidi.def}[2017/05/06 v0.4 bidi adaptations for midfloat package]
14339 \def\RTL@outputdblcol{%
14340 \if@firstcolumn
14341 \global \@firstcolumnfalse
14342 \global\setbox\@leftcolumn\copy\@outputbox
14343 \splitmaxdepth\maxdimen
14344 \vbadness\maxdimen
14345 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14346 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14347 \toks@\expandafter{\topmark}%
14348 \xdef\@firstcoltopmark{\the\toks@}%
14349 \toks@\expandafter{\splitfirstmark}%
14350 \xdef\@firstcolfirstmark{\the\toks@}%
14351 \ifx\@firstcolfirstmark\@empty

```





```

14352     \global\let\@setmarks\relax
14353 \else
14354     \gdef\@setmarks{%
14355         \let\firstmark\@firstcolfirstmark
14356         \let\topmark\@firstcoltopmark}%
14357 \fi
14358 \global\c@colht\@colht\global\c@advipersep\z@
14359 \ifnum\jua@sk>0
14360     \remove@strip\jua@sar
14361     \global\@colht\the\jua@pr
14362     \ifdim\right@cor>\z@
14363         \global\advance\@colht by\right@cor
14364     \fi
14365     \global\advance\@colht by\cor@height
14366     \global\cor@height=0pt
14367 \fi
14368 \global \setbox\@rightcolumn \vbox{%
14369 \else
14370     \ifdim\c@colht>\@colht
14371         \@tempdima\@colht
14372         \ifdim\@colht>\z@
14373             \global\setbox\@rightcolumn \vbox{%
14374                 \unvbox\@rightcolumn
14375                 \vbox to\@tempdima{%
14376                     \vskip\c@advipersep\unvbox\@outputbox}%
14377                 \vskip\stripsep
14378                 \vrule height\the\jua@ht width Opt depth Opt
14379                 \vskip\stripsep
14380             }%
14381             \global\c@advipersep\m@advipersep
14382         \else
14383             \global\setbox\@rightcolumn \vbox{%
14384                 \unvbox\@rightcolumn
14385                 \vrule height\the\jua@ht width Opt depth Opt
14386                 \vskip\stripsep
14387             }%
14388         \fi
14389     \ifnum\jua@sk>0
14390         \remove@strip\jua@sar
14391         \global\@colht\the\jua@pr
14392         \global\advance\@colht by -\ht\@rightcolumn
14393         \global\advance\@colht by\cor@height
14394         \global\cor@height=0pt
14395     \else
14396         \global\advance\c@colht by-\ht\@rightcolumn
14397         \global\@colht\c@colht
14398     \fi
14399 \else
14400     \global\@firstcolumntrue
14401     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%

```



```

14402                \unvbox\@rightcolumn
14403                \vskip\c@addvipersep
14404                \unvbox\@outputbox
14405            }%
14406    \setbox\@outputbox \vbox {%
14407        \hb@xt@\textwidth {%
14408            \hskip \columnwidth
14409            \hfil
14410            \vrule \@width\columnseprule
14411            \hfil
14412            \hb@xt@\columnwidth {%
14413                \bidi@firstcolumn@status@write%
14414                \box\@leftcolumn \hss}%
14415            \hskip-\textwidth
14416            \hb@xt@\columnwidth {%
14417                \bidi@lastcolumn@status@write%
14418                \box\@outputbox \hss}%
14419            \hskip\columnwidth
14420            \hskip\columnsep}%
14421        }%
14422    \@combinedblfloats
14423    \@setmarks
14424    \@outputpage
14425    \begingroup
14426        \@dblfloatplacement
14427        \@startdblcolumn
14428        \@whiles\if@fcolmade \fi
14429            {\@outputpage
14430             \@startdblcolumn}%
14431    \endgroup
14432    \global\jua@sk=0\global\jua@sar={}
14433    \global\cor@height\z@\global\c@addvipersep\z@
14434    \fi
14435 \fi
14436 }
14437
14438
14439 \def\LTR@outputdblcol{%
14440     \if@firstcolumn
14441         \global \@firstcolumnfalse
14442         \global\setbox\@leftcolumn\copy\@outputbox
14443         \splitmaxdepth\maxdimen
14444         \vbadness\maxdimen
14445         \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
14446         \setbox\@outputbox\vsplit\@outputbox to\maxdimen
14447         \toks@{\expandafter{\topmark}}%
14448         \xdef\@firstcoltopmark{\the\toks@}%
14449         \toks@{\expandafter{\splitfirstmark}}%
14450         \xdef\@firstcolfirstmark{\the\toks@}%
14451         \ifx\@firstcolfirstmark\@empty

```



```

14452     \global\let\@setmarks\relax
14453   \else
14454     \gdef\@setmarks{%
14455       \let\firstmark\@firstcolfirstmark
14456       \let\topmark\@firstcoltopmark}%
14457   \fi
14458   \global\c@colht\@colht\global\c@advipersep\z@
14459   \ifnum\jua@sk>0
14460     \remove@strip\jua@sar
14461     \global\@colht\the\jua@pr
14462     \ifdim\right@cor>\z@
14463       \global\advance\@colht by\right@cor
14464     \fi
14465     \global\advance\@colht by\cor@height
14466     \global\cor@height=0pt
14467   \fi
14468   \global \setbox\@rightcolumn \vbox{%
14469 \else
14470   \ifdim\c@colht>\@colht
14471     \@tempdima\@colht
14472     \ifdim\@colht>\z@
14473       \global\setbox\@rightcolumn \vbox{%
14474         \unvbox\@rightcolumn
14475         \vbox to\@tempdima{%
14476           \vskip\c@advipersep\unvbox\@outputbox}%
14477         \vskip\stripsep
14478         \vrule height\the\jua@ht width Opt depth Opt
14479         \vskip\stripsep
14480       }%
14481       \global\c@advipersep\m@advipersep
14482     \else
14483       \global\setbox\@rightcolumn \vbox{%
14484         \unvbox\@rightcolumn
14485         \vrule height\the\jua@ht width Opt depth Opt
14486         \vskip\stripsep
14487       }%
14488     \fi
14489     \ifnum\jua@sk>0
14490       \remove@strip\jua@sar
14491       \global\@colht\the\jua@pr
14492       \global\advance\@colht by -\ht\@rightcolumn
14493       \global\advance\@colht by\cor@height
14494       \global\cor@height=0pt
14495     \else
14496       \global\advance\c@colht by-\ht\@rightcolumn
14497       \global\@colht\c@colht
14498     \fi
14499   \else
14500     \global\@firstcolumntrue
14501     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%

```



```

14502                \unvbox\@rightcolumn
14503                \vskip\c@addvipersep
14504                \unvbox\@outputbox
14505                }%
14506    \setbox\@outputbox \vbox {%
14507        \hb@xt@\textwidth {%
14508            \hb@xt@\columnwidth {%
14509                \bidi@firstcolumn@status@write%
14510                \box\@leftcolumn \hss}%
14511            \hfil
14512            \vrule \@width\columnseprule
14513            \hfil
14514            \hb@xt@\columnwidth {%
14515                \bidi@lastcolumn@status@write%
14516                \box\@outputbox \hss}%
14517            }%
14518        }%
14519    \@combinedblfloats
14520    \@setmarks
14521    \@outputpage
14522    \begingroup
14523        \@dblfloatplacement
14524        \@startdblcolumn
14525        \@whiles\if@fcolmade \fi
14526        {\@outputpage
14527         \@startdblcolumn}%
14528    \endgroup
14529    \global\jua@sk=0\global\jua@sar={}
14530    \global\cor@height\z@\global\c@addvipersep\z@
14531    \fi
14532 \fi
14533 }
14534
14535
14536 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
14537   \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\
14538     \hsize\textwidth
14539     \@parboxrestore
14540     \col@number \@ne
14541     \vrule height\topskip width0pt depth0pt
14542 }
14543
14544 \def\endstrip{%
14545     \egroup\egroup
14546     \if@firstcolumn
14547         \ifdim\pagetotal>\z@
14548             \vskip\stripsep
14549             \global\ht@strip\pagegoal
14550             \global\advance\ht@strip by-\pagetotal
14551             \global\advance\ht@strip by-\stripsep

```



```

14552             \global\advance\ht@strip by-\ht@viper
14553             \global\advance\ht@strip by-\stripsep
14554             \global\jua@ht=\ht@viper
14555         \else
14556             \global\ht@strip\z@
14557         \fi
14558         \ifdim\ht@strip>\z@
14559             \unvbox\@viper
14560             \vskip\stripsep
14561             \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
14562             \global\advance\jua@sk by1
14563         \else
14564             \@latex@error{Strip needs more place!}\@ehc
14565             \if@vihproof
14566                 \framebox[\columnwidth]{??? Strip ???}%
14567             \fi
14568         \fi
14569     \else
14570         \@latex@error{Strip is used only on left column!}\@ehc
14571         \if@vihproof
14572             \framebox[\columnwidth]{??? Strip ???}%
14573         \fi
14574     \fi
14575 }

```

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

```

14576 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for
14577 \def\@undottedtocline#1#2#3#4#5{%
14578     \ifnum #1>\c@tocdepth\relax \else
14579         \vskip \z@ plus.2\p@
14580         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
14581         \parindent #2\relax\@afterindenttrue
14582         \interlinepenalty\@M
14583         \leavevmode
14584         \@tempdima #3\relax \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \hbox{}}%
14585         \hskip -\if@RTL\rightskip\else\leftskip\fi
14586         #4\nobreak\hfill \nobreak
14587         \null\par}%
14588     \fi}
14589 \def\@Undottedtocline#1#2#3#4#5{%
14590     \ifnum #1>\c@tocdepth\relax \else
14591         \vskip \z@ \@plus.2\p@
14592         {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
14593         \parindent #2\relax\@afterindenttrue
14594         \interlinepenalty\@M
14595         \leavevmode
14596         \@tempdima #3\relax
14597         \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14598         {\coffefont #4}\nobreak \nobreak\null

```



```

14599   \par}%
14600 \fi}
14601 \def\@Undottedtoclinep#1#2#3#4#5{%
14602   \ifnum #1>\c@tocdepth\relax \else
14603     \vskip \z@ \@plus.2\p@
14604     {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocmargin
14605     \parindent #2\relax\@afterindenttrue
14606     \interlinepenalty\@M
14607     \leavevmode
14608     \@tempdima #3\relax
14609     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
14610     {#4}\nobreak \hfill \nobreak\null
14611     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
14612   \par}%
14613 \fi}

```

## 84 File multicol-xetex-bidi.def

```

14614 \ProvidesFile{multicol-xetex-bidi.def}[2016/11/27 v0.8 bidi adaptations for multicol package]
14615 \def\page@sofar{%
14616   \process@cols\mult@rightbox
14617   {\ifvoid\count@
14618     \setbox\count@\hbox to\hsize{}}%
14619   \else
14620     \wd\count@\hsize
14621   \fi}%
14622 \count@\col@number \advance\count@\m@ne
14623 \mult@info\z@
14624 {Column spec: \the\full@width\space = indent
14625   + columns + sep =\MessageBreak
14626   \the\multicol@leftmargin\space
14627   + \the\col@number\space
14628   x \the\hsize\space
14629   + \the\count@\space
14630   x \the\columnsep
14631 }%
14632 \ifvmode\else\errmessage{Multicol Error}\fi
14633 \nointerlineskip
14634 \setbox\z@\hbox{\p}\global\dimen\tw@\dp\z@
14635 \moveright\multicol@leftmargin
14636 \hbox to\full@width{%
14637   \bidi@multicol@align@columns
14638   \rlap{\phantom p}}%
14639 }%
14640 \prevdepth\z@
14641 \kern-\dimen\tw@
14642 \ifdim\dimen\tw@ > \mc@gridwarn
14643   \PackageWarning{multicol}%
14644     {Very deep columns!\MessageBreak
14645     Grid alignment might be broken}%

```



```

14646 \fi
14647 }
14648 \def\LTR@column@boxes{%
14649   \process@cols\mult@gfirstbox{%
14650     \ifdim\dp\count@>\dimen\tw@
14651       \global\dimen\tw@\dp\count@ \fi
14652     \mc@col@status@write
14653     \box\count@
14654     \hss{\columnseprulecolor\vrule
14655       \@width\columnseprule}\hss}%
14656   \ifdim\dp\mult@rightbox>\dimen\tw@
14657     \global\dimen\tw@\dp\mult@rightbox \fi
14658   \mc@lastcol@status@write
14659   \box\mult@rightbox
14660 }
14661
14662 \def\RTL@column@boxes{%
14663   \ifnum\col@number<\tw@
14664     \LTR@column@boxes
14665   \else
14666     \process@cols\mult@gfirstbox{%
14667       \hskip\hsize
14668       \hss{\columnseprulecolor\vrule
14669         \@width\columnseprule}\hss
14670     }%
14671     \hskip\hsize
14672     \process@cols\mult@gfirstbox{%
14673       \ifdim\dp\count@>\dimen\tw@
14674         \global\dimen\tw@\dp\count@ \fi
14675       \hskip-\hsize
14676       \mc@col@status@write
14677       \box\count@
14678       \hskip-\hsize
14679       \hskip-\columnsep
14680     }%
14681     \ifdim\dp\mult@rightbox>\dimen\tw@
14682       \global\dimen\tw@\dp\mult@rightbox \fi
14683     \hskip-\hsize
14684     \mc@lastcol@status@write
14685     \box\mult@rightbox
14686     \hskip-\hsize
14687     \hskip\full@width
14688   \fi
14689 }
14690 \newcommand\RTLmulticolcolumns
14691   {\let\bidimulticol@align@columns
14692     \RTL@column@boxes}
14693 \newcommand\LTRmulticolcolumns
14694   {\let\bidimulticol@align@columns
14695     \LTR@column@boxes}

```



```

14696 \newcommand\ bidi@multicol@align@columns
14697   {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
14698 \def\multicols#1{\col@number#1\relax
14699   \ifnum\col@number<\tw@
14700     \PackageWarning{multicol}%
14701     {Using ` \number\col@number'
14702     columns doesn't seem a good idea.^^J
14703     I therefore use two columns instead}%
14704     \col@number\tw@ \fi
14705   \ifnum\col@number>10
14706     \PackageError{multicol}%
14707     {Too many columns}%
14708     {Current implementation doesn't
14709     support more than 10 columns.%
14710     \MessageBreak
14711     I therefore use 10 columns instead}%
14712     \col@number10 \fi
14713   \ifx\@footnotetext\mult@footnotetext\else
14714     \let\orig@footnotetext\@footnotetext
14715     \let\@footnotetext\mult@footnotetext
14716   \fi
14717   \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
14718     \let\orig@LTRfootnotetext\@LTRfootnotetext
14719     \let\@LTRfootnotetext\mult@LTRfootnotetext
14720   \fi
14721   \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
14722     \let\orig@RTLfootnotetext\@RTLfootnotetext
14723     \let\@RTLfootnotetext\mult@RTLfootnotetext
14724   \fi
14725   \@ifnextchar[\mult@cols{\mult@cols[]}]
14726 \long\def\mult@footnotetext#1{\begingroup
14727   \hsize\textwidth
14728   \columnwidth\textwidth
14729   \orig@footnotetext{#1}\endgroup}
14730 \long\def\mult@LTRfootnotetext#1{\begingroup
14731   \hsize\textwidth
14732   \columnwidth\textwidth
14733   \orig@LTRfootnotetext{#1}\endgroup}
14734 \long\def\mult@RTLfootnotetext#1{\begingroup
14735   \hsize\textwidth
14736   \columnwidth\textwidth
14737   \orig@RTLfootnotetext{#1}\endgroup}
14738 \def\right@footnoterule{%
14739   \kern-3\p@
14740   \hbox to \textwidth{\hskip \dimexpr\textwidth-.4\columnwidth\relax \hrulefill }
14741   \kern2.6\p@}
14742 \def\textwidth@footnoterule{\kern-3\p@
14743   \hrule \@width \textwidth \kern 2.6\p@}

```





## 85 File multienum-xetex-bidi.def

```

14744 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
14745 \renewcommand{\itemx}[1]{\parbox[t]{%
14746 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14747 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
14748 \renewcommand{\itemxx}[2]{\parbox[t]{%
14749 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14750 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14751 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14752 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
14753 \renewcommand{\itemxxx}[3]{\parbox[t]{%
14754 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14755 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14756 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
14757 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
14758 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
14759 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
14760 \renewcommand{\itemxxxx}[4]{\parbox[t]{%
14761 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14762 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
14763 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14764 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14765 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14766 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
14767 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14768 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
14769 \renewcommand{\itemxxxxx}[5]{\parbox[t]{%
14770 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14771 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #1}\hfill%
14772 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14773 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #2}\hfill%
14774 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14775 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #3}\hfill%
14776 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14777 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #4}\hfill%
14778 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14779 \parbox[t]{0.2\remainxxxxx}{\bidi@raggedright #5}\smallskip}
14780 \renewcommand{\itemxox}[2]{\parbox[t]{%
14781 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14782 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14783 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14784 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
14785 \renewcommand{\itemxox}[2]{\parbox[t]{%
14786 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14787 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
14788 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14789 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
14790 \renewcommand{\itemxox}[3]{\parbox[t]{%
14791 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep

```



```

14792 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
14793 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14794 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14795 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14796 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14797 \renewcommand{\itemxxox}[3]{\parbox[t]{%
14798 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14799 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14800 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14801 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
14802 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14803 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
14804 \renewcommand{\itemxxox}[3]{\parbox[t]{%
14805 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14806 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
14807 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14808 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
14809 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
14810 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```

## 86 File natbib-xetex-bidi.def

```

14811 \ProvidesFile{natbib-xetex-bidi.def}[2017/06/09 v0.2 bidi adaptations for natbib package for X
14812 \renewenvironment{thebibliography}[1]{%
14813   \bibsection
14814   \parindent\z@
14815   \bibpreamble
14816   \bibfont
14817   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14818   \bidi@thebibliography@font@hook%
14819   \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
14820   \ifNAT@openbib
14821     \renewcommand\newblock{\par}%
14822   \else
14823     \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
14824   \fi
14825   \sloppy\clubpenalty4000\widowpenalty4000
14826   \sfcode`\.\@m
14827   \let\NAT@bibitem@first@sw\@firstoftwo
14828   \let\citeN\cite \let\shortcite\cite
14829   \let\citeasnoun\cite
14830 }{%
14831   \bibitem@fin
14832   \bibpostamble
14833   \def\@noitemerr{%
14834     \PackageWarning{natbib}{Empty `thebibliography' environment}%
14835   }%
14836   \endlist
14837   \bibcleanup
14838 }%

```



## 87 File newfloat-xetex-bidi.def

```

14839 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package]
14840 \renewcommand*\newfloat@setwithin[2]{%
14841   \ifcsname c@chapter\endcsname
14842     \@removefromreset{#1}{chapter}%
14843   \fi
14844   \@removefromreset{#1}{section}%
14845   \edef\@tempa{#2}%
14846   \ifx\@tempa\@empty
14847     \def\@tempa{none}%
14848   \fi
14849   \def\@tempb{none}%
14850   \ifx\@tempa\@tempb
14851     \ifcsname c@chapter\endcsname
14852       \@chapterlistsgap@off{#1}%
14853     \fi
14854     \newfloat@@setwithin{#1}{-}{-}%
14855   \else
14856     \def\@tempb{chapter}%
14857     \ifx\@tempa\@tempb
14858       \@addtoreset{#1}{chapter}%
14859       \@chapterlistsgap@on{#1}%
14860       \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMark}%
14861     \else
14862       \def\@tempb{section}%
14863       \ifx\@tempa\@tempb
14864         \@addtoreset{#1}{section}%
14865         \ifcsname c@chapter\endcsname
14866           \@addtoreset{#1}{chapter}%
14867           \@chapterlistsgap@on{#1}%
14868           \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
14869         \else
14870           \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@SepMark}%
14871         \fi
14872       \else
14873         \newfloat@Error{Invalid value `#2' for option `within'}%
14874       \fi
14875     \fi
14876   \fi}

```

## 88 File ntheorem-xetex-bidi.def

```

14877 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package]
14878 \gdef\@thm#1#2#3{%
14879   \if@thmmarks
14880     \stepcounter{end\InTheoType ctr}%
14881   \fi
14882   \renewcommand{\InTheoType}{#1}%
14883   \if@thmmarks

```



```

14884     \stepcounter{curr#1ctr}%
14885     \setcounter{end#1ctr}{0}%
14886 \fi
14887 \refstepcounter{#2}%
14888 \theorem@prework
14889 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14890 \ifvmode \advance\thm@topsepadd\partopsep\fi
14891 \trivlist
14892 \@topsep \theorempreskipamount
14893 \@topsepadd \thm@topsepadd % used by \@endparenv
14894 \advance\linewidth -\theorem@indent
14895 \advance\@totalleftmargin \theorem@indent
14896 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14897 \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

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

```

14898 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hy
14899 \gdef\@thm#1#2#3{%
14900   \if@thmmarks
14901     \stepcounter{end\InTheoType ctr}%
14902   \fi
14903   \renewcommand{\InTheoType}{#1}%
14904   \if@thmmarks
14905     \stepcounter{curr#1ctr}%
14906     \setcounter{end#1ctr}{0}%
14907   \fi
14908   \refstepcounter{#2}%
14909   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
14910   \ifvmode \advance\thm@topsepadd\partopsep\fi
14911   \trivlist
14912   \@topsep \theorempreskipamount
14913   \@topsepadd \thm@topsepadd % used by \@endparenv
14914   \advance\linewidth -\theorem@indent
14915   \advance\@totalleftmargin \theorem@indent
14916   \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
14917   \ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 90 File overpic-xetex-bidi.def

```

14918 \ProvidesFile{overpic-xetex-bidi.def}[2015/12/07 v0.1 bidi adaptations for overpic package for
14919 \renewenvironment{overpic}[2][\]{%
14920   \sbox{\z@}{\includegraphics[#1]{#2}}%
14921   \settodepth{\@tempcnta}{\usebox{\z@}}%
14922   \settoheight{\@tempcntb}{\usebox{\z@}}%
14923   \advance\@tempcntb\@tempcnta%
14924   \settowidth{\@tempcnta}{\usebox{\z@}}%
14925   \setlength{\@tempdima}{\unitlength}%
14926   \count@=\z@\Gin@gridfalse\setkeys{Gin}{#1}%
14927 %

```



```

14928 \OVP@calc%
14929 %
14930 \begin{picture}(\@tempcnta,\@tempcntb)%
14931 \if@RTL\else\put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}%
14932 \ifGin@grid%
14933 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14934 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14935 \fi\fi%
14936 % reset the graphics parameter
14937 \let\Gin@outer@scalex\relax
14938 \let\Gin@outer@scaley\relax
14939 \let\Gin@angle\relax
14940 \let\Gin@ewidth\Gin@exclamation
14941 \let\Gin@eheight\Gin@ewidth
14942 \def\Gin@scalex{1}
14943 \let\Gin@scaley\Gin@exclamation
14944 }{%
14945 \if@RTL\ifGin@grid%
14946 \put(0,0){\normalfont\fontsize\@viipt\@viipt\selectfont%
14947 \grid(\@tempcnta,\@tempcntb)(\count@,\count@)[0,0]}%
14948 \fi%
14949 \put(0,0){\makebox(0,0)[bl]{\usebox{\z@}}}\fi%
14950 \end{picture}%
14951 }%

```

## 91 File pdfbase-xetex-bidi.def

```

14952 \ProvidesFile{pdfbase-xetex-bidi.def}[2017/08/27 v0.1 bidi adaptations for pdfbase package for
14953 \ExplSyntaxOn
14954 \cs_set_eq:NN\pbs_outputpage_orig:\@outputpage
14955 \cs_set_nopar:Npn\@outputpage{
14956 \int_gincr:N\g_pbs_page_int
14957 \iow_now:Nx\@mainaux{
14958 \token_to_str:N\pbs@newkey{pbs@last@page}{\int_use:N\g_pbs_page_int}
14959 }
14960 \box_if_vertical:cTF{\outputbox}{
14961 \bool_set_true:N\l_pbs_is_vertical_bool
14962 }{
14963 \bool_set_false:N\l_pbs_is_vertical_bool
14964 }
14965 \hbox_set:Nn\@outputbox{
14966 %begin of page
14967 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_bop_seq{##1}}
14968 \box_use_clear:N\@outputbox
14969 %end of page
14970 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eop_seq{##1}}
14971 %end of dvi
14972 \int_compare:nT{\pbs@last@page=\g_pbs_page_int}{
14973 \hbox_overlap_right:n{\seq_map_inline:Nn\g_pbs_eod_seq{##1}}
14974 }

```



```

14975 }
14976 \bool_if:NT\l_pbs_is_vertical_bool{
14977   \vbox_set:Nn\@outputbox{\box_use_clear:N\@outputbox}
14978 }
14979 %insert /Properties into current page's resources
14980 \pbs_insert_properties_entry:
14981 \pbs_outputpage_orig:
14982 }
14983 \ExplSyntaxOff

```

## 92 File pdfpages-xetex-bidi.def

```

14984 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package]
14985 \renewcommand*{\includepdf}[2][{}]{%
14986   \begingroup
14987   \@RTLfalse
14988   \let\AM@threadname\relax
14989   \AM@split@options{pdfpages}{#1}%
14990   \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
14991   \expandafter\setkeys\AM@temp
14992   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
14993     \let\AM@currentdocname\relax
14994     \renewcommand\includegraphics[2][{}]{Survey in draft-mode}%
14995     \def\AM@pagecount{0}%
14996   }{%
14997     \AM@findfile{#2}%
14998     \if\AM@threadname\relax
14999       \def\AM@threadname{\AM@currentdocname}%
15000     \fi
15001   }%
15002   \ifAM@survey
15003     \def\AM@pagestemp{}%
15004     \@tempcnta=0
15005     \def\foo{%
15006       \ifundefined{r@\AM@xrprefix pdfpages@page\the\@tempcnta}%
15007         {\let\foo\relax}
15008         {\expandafter\ifx\expandafter\\AM@pagestemp\
15009           \edef\AM@pagestemp{%
15010             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}}%
15011       \else
15012         \edef\AM@pagestemp{\AM@pagestemp,%
15013           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
15014       \fi
15015       \advance\@tempcnta 1\relax
15016     }%
15017     \foo
15018   }%
15019   \foo
15020   \expandafter\ifx\expandafter\\AM@pagestemp\
15021     \def\AM@pagestemp{1}%

```



```

15022 \fi
15023 \fi
15024 \ifAM@output
15025 \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
15026 \AM@output{#1}%
15027 \fi
15028 \AM@CheckAtEnd
15029 \endgroup
15030 \AM@ClearShipoutPicture
15031 }

```

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

```

15032 \ProvidesFile{pgfcorescopes.code-xetex-bidi.def}[2015/11/14 v0.1 bidi adaptations for pgf pack
15033 \def\pgfpicture{%
15034 \begingroup%
15035 \ifmmode\else\@RTLfalse\beginL\fi%
15036 \pgfpicturetrue%
15037 \global\advance\pgf@picture@serial@count by1\relax%
15038 \edef\pgfpictureid{\pgfid\the\pgf@picture@serial@count}%
15039 \let\pgf@nodecallback=\pgfutil@gobble%
15040 \pgf@picmaxx=-16000pt\relax%
15041 \pgf@picminx=16000pt\relax%
15042 \pgf@picmaxy=-16000pt\relax%
15043 \pgf@picminy=16000pt\relax%
15044 \pgf@relevantforpicturesizetrue%
15045 \pgf@resetpathsizes%
15046 \pgfutil@ifnextchar\bgroup\pgf@oldpicture\pgf@picture}
15047 \def\endpgfpicture{%
15048 \ifpgfrememberpicturepositiononpage%
15049 \hbox to0pt{\pgfsys@markposition{\pgfpictureid}}%
15050 \fi%
15051 % ok, now let's position the box
15052 \ifdim\pgf@picmaxx=-16000pt\relax%
15053 % empty picture. make size 0.
15054 \global\pgf@picmaxx=0pt\relax%
15055 \global\pgf@picminx=0pt\relax%
15056 \global\pgf@picmaxy=0pt\relax%
15057 \global\pgf@picminy=0pt\relax%
15058 \fi%
15059 % Shift baseline outside:
15060 \pgf@relevantforpicturesizefalse%
15061 \pgf@process{\pgf@baseline}%
15062 \xdef\pgf@shift@baseline{\the\pgf@y}%
15063 %
15064 \pgf@process{\pgf@trimleft}%
15065 \global\advance\pgf@x by-\pgf@picminx
15066 % prepare \hskip\pgf@trimleft@final.
15067 % note that \pgf@trimleft@final is also queried
15068 % by the pgf image externalization.

```



```

15069         \xdef\pgf@trimleft@final{-\the\pgf@x}%
15070         %
15071         \pgf@process{\pgf@trimright}%
15072         \global\advance\pgf@x by-\pgf@picmaxx
15073         % prepare \hskip\pgf@trimright@final.
15074         % note that \pgf@trimright@final is also queried
15075         % by the pgf image externalization.
15076         \xdef\pgf@trimright@final{\the\pgf@x}%
15077     %
15078     \pgf@remember@layerlist@globally
15079     \endgroup%
15080     \hss%
15081     \egroup%
15082     \pgf@restore@layerlist@from@global
15083     \pgf@insertlayers%
15084     \endgroup%
15085     \pgfsys@discardpath%
15086     \endgroup%
15087     \pgfsys@endscope%
15088     \pgfsys@endpicture%
15089     \endgroup%
15090     \hss
15091 \egroup%
15092 \pgfsys@typesetpicturebox\pgfpic%
15093 \ifmmode\else\endL\fi%
15094 \endgroup%
15095 }

```

## 94 File `picinpar-xetex-bidi.def`

```

15096 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package]
15097 \long\def\@makewincaption#1#2{%
15098     \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
15099     \ifdim\wd\@tempboxa>\picwd
15100         {\footnotesize{\bf #1:\enspace}{#2\par}}
15101     \else
15102         \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
15103     \fi}
15104 \def\endwindow{%
15105     \global\tcd=\tcdsav
15106     \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
15107     \vbadness=10000
15108     \splittopskip=0pt
15109 %
15110 % Typeset the lines above the window
15111 %
15112 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
15113 \tcn=\tcd
15114 \loop\advance\tcn -1
15115 \setbox\fslice=\vsplit\holder to\baselineskip

```





```

15116 \prune\fslice\linewidth
15117 \topheight=0pt
15118 \ifnum\dp\fslice>\dp\wstrutbox
15119     \advance\topheight-\dp\fslice
15120     \advance\topheight\dp\wstrutbox
15121     \advance\topheight\ilg\fi
15122 \hbox to\linewidth{\box\fslice}
15123 \vskip-\topheight
15124 \ifdim\ht\holder>0pt\repeat
15125 \fi
15126 %
15127 % Now we build the boxes beside the window
15128 %
15129 \global\topheight=\tcl\baselineskip
15130 \ifnum\cumpartcl>0\global\tcl=\cumtcl
15131     \global\topheight=\vpic
15132 \fi
15133 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
15134 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
15135 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
15136 \tcn=\tcl \na=0 \nb=0
15137 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
15138 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
15139 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
15140 \ifnum\na=0\ifnum\nb=0
15141     \setbox\waslice=\vbox to\vpic{\vss}
15142     \setbox\wbslice=\vbox to\vpic{\vss}
15143     \bl=1\br=1
15144     \vskip\ilg
15145 \fi\fi
15146 %
15147 % both sides
15148 %
15149 \ifnum\na>0 \ifnum\nb>0
15150 \loop\advance\nb -1
15151 \advance\na -1
15152 \if@RTL%
15153 \setbox\bslice=\vsplit\holder to\baselineskip
15154 \prune\bslice\rtside
15155 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15156 to\rtside{\box\bslice\hfil}}
15157 \setbox\aslice=\vsplit\holder to\baselineskip
15158 \prune\aslice\lftside
15159 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15160 to\lftside{\box\aslice\hfil}}
15161 \else%
15162 \setbox\aslice=\vsplit\holder to\baselineskip
15163 \prune\aslice\lftside
15164 \setbox\waslice=\vbox{\unvbox\waslice\hbox
15165 to\lftside{\box\aslice\hfil}}

```



```

15166 \setbox\bslice=\vsplit\holder to\baselineskip
15167 \prune\bslice\rtside
15168 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15169 to\rtside{\box\bslice\hfil}}
15170 \fi%
15171 \ifnum\nb>0\repeat
15172 \fi\fi
15173 %
15174 % only text on the left side
15175 %
15176 \ifnum\na>0
15177   \loop\advance\na -1
15178   \setbox\aslice=\vsplit\holder to\baselineskip
15179   \prune\aslice\lftside
15180   \setbox\waslice=\vbox{\unvbox\waslice\hbox
15181 to\lftside{\box\aslice\hfil}}
15182   \ifdim\ht\holder>0pt\repeat
15183 \fi
15184 %
15185 % only text on the right side
15186 %
15187 \ifnum\nb>0
15188   \loop\advance\nb -1
15189   \setbox\bslice=\vsplit\holder to\baselineskip
15190   \prune\bslice\rtside
15191   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
15192 to\rtside{\box\bslice\hfil}}
15193   \ifdim\ht\holder>0pt\repeat
15194 \fi
15195 %
15196 % fixing the dimensions of the window part
15197 %
15198 \ifnum\bl=0\topheight=\ht\wbslice
15199 \else\ifnum\br=0\topheight=\ht\waslice
15200   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
15201     \else\topheight=\ht\wbslice\fi\fi\fi
15202 %
15203 % ship out the window material to the main vertical list
15204 %
15205 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
15206 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfll}
15207 \fi\fi\fi
15208 \setbox>windowbox=\vbox{\hbox to\linewidth{%
15209 \ifnum\bl>0\box\waslice\hfill\fi%
15210 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
15211 \vfll\unvbox\picbox%
15212 \ifnum\picwd>0\vfll\fi%
15213 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
15214 \unvbox>windowbox%
15215 \loop

```



```

15216 \setbox\bslice=\vsplit\rawtext to\baselineskip
15217 \prune\bslice\linewidth
15218 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
15219 \unvbox\wbslice
15220 \ifdim\ht\rawtext>Opt
15221 \repeat
15222 }% FINITO

```

## 95 File plain-xetex-bidi.def

```

15223 \def\TeXeTOn{\TeXeTstate=1 }
15224 \def\TeXeTOff{\TeXeTstate=0 }
15225 \TeXeTOn
15226 \def\usebox#1{\leavevmode\copy #1\relax}
15227 \def\ bidi@RTL@everypar{\setbox\z@ \lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\z@
15228 \let\ bidi@o@everypar=\everypar
15229 \newtoks\ bidi@n@everypar
15230 \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
15231 \ bidi@o@everypar{\ bidi@RTL@everypar\the\ bidi@n@everypar}
15232 \let\everypar=\ bidi@n@everypar
15233 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
15234 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
15235 \protected\def\hboxR{\hbox\bgroup
15236 \everyhbox{%
15237 \aftergroup\egroup
15238 \everyhbox{}}%
15239 \beginR
15240 \@hboxRconstructtrue
15241 \bgroup
15242 \aftergroup\endR
15243 \aftergroup\egroup
15244 }\hbox}
15245 \protected\def\hboxL{\hbox\bgroup
15246 \everyhbox{%
15247 \aftergroup\egroup
15248 \everyhbox{}}%
15249 \beginL
15250 \@hboxRconstructfalse
15251 \bgroup
15252 \aftergroup\endL
15253 \aftergroup\egroup
15254 }\hbox}
15255 \protected\def\vboxR{\vbox\bgroup
15256 \everyvbox{%
15257 \aftergroup\egroup
15258 \everyvbox{}}%
15259 \@RTLtrue
15260 \bgroup
15261 \aftergroup\egroup
15262 }\vbox}

```



```

15263 \protected\def\ vboxL{\ vbox\bgroup
15264 \everyvbox{%
15265 \aftergroup\egroup
15266 \everyvbox{}}%
15267 \@RTLfalse
15268 \bgroup
15269 \aftergroup\egroup
15270 }\ vbox}
15271 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
15272 \def\endLTR{\par}
15273 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
15274 \def\endRTL{\par}
15275 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
15276 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
15277 \let\unsetRTL=\setLTR
15278 \let\unsetLTR=\setRTL
15279 \let\LR=\LRE
15280 \let\RL=\RLE
15281 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
15282 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
15283 \let\@ensure@RL=\@ensure@RTL
15284 \let\@ensure@LR=\@ensure@LTR
15285 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
15286 \let\@ensure@maindir=\@ensure@dir
15287 \def\@RTL{RTL}
15288 \def\@LTR{LTR}
15289 \def\save@dir{\if@RTL\gdef\saved@@dir{RTL}\else\gdef\saved@@dir{LTR}\fi}
15290 \def\reset@dir{\ifx\saved@@dir\@RTL\setRTL\else\ifx\saved@@dir\@LTR\setLTR\else\relax\fi}
15291 \let\@TeX\TeX
15292 \def\TeX{\@ensure@LTR{\@TeX}}
15293 \def\pagecontents{\ifvoid\topins\else\unvbox\topins\fi
15294 \dimen@=\dp\ccclv \unvbox\ccclv % open up \box255
15295 \ifvoid\footins\else % footnote info is present
15296 \vskip\skip\footins
15297 \footnoterule
15298 \unvbox\footins\fi
15299 \ifrggedbottom \kern-\dimen@ \vfil \fi
15300 \ifvoid\@bidi@copyins@
15301 \else
15302 \vskip\skip\@bidi@copyins@
15303 \unvbox\@bidi@copyins@
15304 \fi
15305 }
15306 \long\def\bidi@reflect@box#1{%
15307 \leavevmode
15308 \setbox\z@\hbox{{#1}}%
15309 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
15310 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
15311 }
15312 \def\XeTeX{LR\leavevmode$\smash{\hbox{X}\lower.5ex

```



```

15313 \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
15314 \let\setRL=\setRTL
15315 \let\setLR=\setLTR
15316 \let\unsetRL=\setLTR
15317 \let\bidisaved@eqno=\eqno
15318 \let\bidisaved@leqno=\leqno
15319 \def\eqno{\ifnum\predisplaydirection<\z@ \bidisaved@leqno \else \bidisaved@eqno \fi}
15320 \def\leqno{\ifnum\predisplaydirection<\z@ \bidisaved@eqno \else \bidisaved@leqno \fi}
15321 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15322 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
15323 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

## 96 File pstricks-xetex-bidi.def

```

15324 \ProvidesFile{pstricks-xetex-bidi.def}[2015/11/18 v0.5 bidi adaptations for pstricks package]
15325 \def\pspicture{\begingroup\ifmmode\else\@RTLfalse\beginL\fi\pst@ifstar\pst@picture}
15326 \def\endpspicture{%
15327   \ifshowgrid\ifnum\showgridp>0
15328     \psgrid[xunit=\sh@wgridXunit,yunit=\sh@wgridYunit,style=gridstyle]\fi\fi%
15329   \pst@killglue
15330 %   \global\pst@shift=\pst@shift% in fact of the following endgroup
15331   \endgroup
15332   \egroup
15333   \ifdim\wd\pst@hbox=\z@ \else
15334     %\@pstrickserr{Extraneous space in the pspicture environment}%
15335     %\Type \space <return> \space to proceed.}%
15336   \fi
15337   \ht\pst@hbox=\pst@dimd
15338   \dp\pst@hbox=-\pst@dimb
15339   \setbox\pst@hbox=\hbox{%
15340     \kern-\pst@dimd
15341 %   Orig version -----
15342 %\ifx\pst@tempa\@empty\else
15343 %\advance\pst@dimd-\pst@dimb
15344 %\pst@dimd=\pst@tempa\pst@dimd
15345 %\advance\pst@dimd\pst@dimb
15346 %\lower\pst@dimd
15347 %\fi
15348 %----- end Orig
15349   \ifPst@shift@star%\typeout{==pstricks== old behaviour of the shift option}% shift=*
15350     \advance\pst@dimd-\pst@dimb
15351     \pst@dimd=0.5\pst@dimd
15352   \else\pst@dimd-\pst@shift\fi
15353   \advance\pst@dimd\pst@dimb
15354   \lower\pst@dimd
15355   \box\pst@hbox
15356   \kern\pst@dimc}%
15357   \if@star\setbox\pst@hbox=\hbox{\clipbox@@\z@}\fi
15358   \leavevmode\ifdim\overfullrule=\z@\box\pst@hbox\else
15359   \fboxsep=0pt

```



```

15360 \fbox{\rule[-\pst@shift]{0pt}{\ht\pst@hbox}\rule{\wd\pst@hbox}{0pt}}\fi
15361 \ifmmode\else\endL\fi
15362 \endgroup%
15363 \psset{pstricks}{shift=0}% reset value
15364 }

```

## 97 File quotchap-xetex-bidi.def

```

15365 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package]
15366 \renewcommand{\qauthor}[1]{%
15367   \par\smallskip
15368   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}
15369 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
15370   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
15371     {\chapnumfont
15372       \ifnum \c@secnumdepth >\m@ne%
15373       \if@mainmatter\thechapter%
15374       \fi\fi
15375       \par\nobreak}%
15376       {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10pt}
15377       \nobreak\chapterheadendvskip}}
15378 \renewcommand*{\@iprintcites}{%
15379   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
15380   \global\let\@printcites\relax}

```

## 98 File ragged2e-xetex-bidi.def

```

15381 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package]
15382 \renewcommand{\Centering}{%
15383   \ifx\\@raggedtwoe@savedcr
15384     \let\\@centercr
15385   \fi
15386   \let\@gnewline\@raggedtwoe@gnewline
15387   \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
15388   \@rightskip\CenteringRightskip
15389   \if@RTL\leftskip\else\rightright\fi\@rightskip
15390   \parfillskip\CenteringParfillskip
15391   \parindent\CenteringParindent
15392   \@raggedtwoe@spaceskiptrue
15393   \@raggedtwoe@everyselectfont
15394 }
15395 \renewcommand{\RaggedLeft}{%
15396   \ifx\\@raggedtwoe@savedcr
15397     \let\\@centercr
15398   \fi
15399   \let\@gnewline\@raggedtwoe@gnewline
15400   \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
15401   \@rightskip\RaggedLeftRightskip
15402   \if@RTL\leftskip\else\rightright\fi\@rightskip
15403   \parfillskip\RaggedLeftParfillskip

```



```

15404 \parindent\RaggedLeftParindent
15405 \@raggedtwo@spaceskiptrue
15406 \@raggedtwo@everyselectfont
15407 }
15408 \renewcommand{\RaggedRight}{%
15409 \ifx\\@raggedtwo@savedcr
15410 \let\\@centercr
15411 \fi
15412 \let@gnewline@raggedtwo@gnewline
15413 \if@RTL\rightrightskip\else\leftskip\fi\RaggedRightLeftskip
15414 \@rightskip\RaggedRightRightskip
15415 \if@RTL\leftskip\else\rightrightskip\fi@rightskip
15416 \parfillskip\RaggedRightParfillskip
15417 \parindent\RaggedRightParindent
15418 \@raggedtwo@spaceskiptrue
15419 \@raggedtwo@everyselectfont
15420 }
15421 \renewcommand{\justifying}{%
15422 \let\\@raggedtwo@savedcr
15423 \let@gnewline@raggedtwo@saved@gnewline
15424 \if@RTL\rightrightskip\else\leftskip\fi\z@
15425 \@rightskip\z@
15426 \if@RTL\leftskip\else\rightrightskip\fi@rightskip
15427 \parfillskip\JustifyingParfillskip
15428 \parindent\JustifyingParindent
15429 \@raggedtwo@spaceskipfalse
15430 \@raggedtwo@everyselectfont
15431 }
15432 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{%
15433 \CheckCommand*{\arrayparboxrestore}{%
15434 \let\if@nobreak\iffalse
15435 \let\if@noskipsec\iffalse
15436 \let\par@@par
15437 \let\-\@dischyph
15438 \let'\@acci\let\`@accii\let\=@acciii
15439 \parindent\z@ \parskip\z@skip
15440 \everypar{}%
15441 \linewidth\hsize
15442 \@totalleftmargin\z@
15443 \if@RTL\rightrightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightrightskip\fi\z@skip \@rightskip\z@skip
15444 \parfillskip\@flushglue \lineskip\normallineskip
15445 \baselineskip\normalbaselineskip
15446 \sloppy}%
15447 \renewcommand{\arrayparboxrestore}{%
15448 \let\if@nobreak\iffalse
15449 \let\if@noskipsec\iffalse
15450 \let\par@@par
15451 \let\-\@dischyph
15452 \let'\@acci\let\`@accii\let\=@acciii
15453 \parskip\z@skip

```



```

15454 \everypar{%
15455 \linewidth\hsize
15456 \@totalleftmargin\z@
15457 \RaggedRight
15458 \lineskip\normallineskip
15459 \baselineskip\normalbaselineskip
15460 \sloppy}%
15461 \let\@raggedtwoe@raggedrightboxes@opt\relax
15462 }
15463 \let\origin@RaggedLeft=\RaggedLeft
15464 \let\origin@RaggedRight=\RaggedRight
15465 \def\RaggedLeft{\ifRTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
15466 \def\RaggedRight{\ifRTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

## 99 File rapport1-xetex-bidi.def

```

15467 \ProvidesFile{rapport1-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for rapport1 class for
15468 \renewenvironment{theindex}{%
15469 \if@twocolumn
15470 \@restonecolfalse
15471 \else
15472 \@restonecoltrue
15473 \fi
15474 \columnseprule \z@
15475 \columnsep 35\p@
15476 \twocolumn[\@makeschapterhead{\indexname}]{%
15477 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
15478 \thispagestyle{plain}\parindent\z@
15479 \parskip\z@ \@plus .3\p@\relax
15480 \let\item\@idxitem
15481 }{%
15482 \if@restonecol\onecolumn\else\clearpage\fi}
15483 \renewcommand*{\head@style}{%
15484 \interlinepenalty \@M
15485 \hyphenpenalty=\@M \exhyphenpenalty=\@M
15486 \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15487 \if@titlepage
15488 \renewenvironment{abstract}{%
15489 \titlepage
15490 \null\vfil
15491 \section*{\SectFont\abstractname}%
15492 \noindent\ignorespaces}
15493 {\par\vfil\null\endtitlepage}
15494 \else
15495 \renewenvironment{abstract}{%
15496 \if@twocolumn
15497 \section*{\abstractname}%
15498 \else
15499 \bgroup\ifRTL\leftskip\else\rightskip\fi=\unitindent
15500 \section*{\small\SectFont\abstractname}%

```





```

15501         \noindent\ignorespaces
15502     \fi}
15503     {\if@twocolumn\else\par\egroup\fi}
15504 \fi
15505 \renewcommand*\@regtocline[3]{%
15506     \ifnum #1>\c@tocdepth
15507     \else
15508         \vskip\z@ \@plus.2\p@
15509         {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15510         \if@RTL\righskip\else\leftskip\fi\unitindent
15511         \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15512         \parfillskip\z@
15513         \@tempdima\unitindent
15514         \parindent\z@
15515         \leavevmode
15516         \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
15517         \hskip 1em \nobreak{\slshape #3}\par
15518     }%
15519 \fi}
15520 \if@oldtoc
15521 \renewcommand*\l@part[2]{%
15522     \ifnum \c@tocdepth >-2\relax
15523         \addpenalty{-\@highpenalty}%
15524         \addvspace{2.25em \@plus\p@}%
15525         \begingroup
15526             \setlength\@tempdima{3em}%
15527             \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
15528             \parfillskip -\@pnumwidth
15529             {\leavevmode
15530                 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15531                 \nobreak
15532                 \global\@nobreaktrue
15533                 \everypar{\global\@nobreakfalse\everypar{}}%
15534             \endgroup
15535         \fi}
15536 \else
15537 \renewcommand*\l@part{%
15538     \ifnum \c@tocdepth >-2\relax
15539         \addpenalty{-\@highpenalty}%
15540         \addvspace{2.25em \@plus \p@}%
15541         \@regtocline{0}%
15542     \fi}
15543 \fi
15544 \if@oldtoc
15545 \renewcommand*\l@chapter[2]{%
15546     \addpenalty{-\@highpenalty}%
15547     \vskip 1.0em \@plus\p@
15548     \setlength\@tempdima{1.5em}%
15549     \begingroup
15550     \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth

```



```

15551 \parfillskip -\@pnumwidth
15552 \leavevmode \bfseries
15553 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15554 \hskip -\if@RTL\rightskip\else\leftskip\fi
15555 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15556 \penalty\@highpenalty
15557 \endgroup}
15558 \else
15559 \renewcommand*\l@chapter{\@regtocline{0}}
15560 \fi
15561 \renewcommand*\left@footnoterule{%
15562 \kern-3\p@
15563 \kern.5\baselineskip
15564 \hrule\@width\unitindent
15565 \kern.4\baselineskip
15566 }
15567 \renewcommand*\right@footnoterule{%
15568 \kern-3\p@
15569 \kern.5\baselineskip
15570 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15571 \kern.4\baselineskip}
15572 \renewenvironment{thebibliography}[1]
15573 {
15574 \chapter*{\bibname}%
15575 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15576 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15577 \bidi@thebibliography@font@hook%
15578 \list{\@biblabel{\@arabic{c@enumiv}}}%
15579 {\settowidth\labelwidth{\@biblabel{#1}}%
15580 \leftmargin\labelwidth
15581 \advance\leftmargin\labelsep
15582 \@openbib@code
15583 \usecounter{enumiv}%
15584 \let\p@enumiv\@empty
15585 \renewcommand*\theenumiv{\@arabic{c@enumiv}}}%
15586 \sloppy\clubpenalty4000\widowpenalty4000%
15587 \sfcode`.\@m}
15588 {\def\@noitemerr
15589 {\@latex@warning{Empty `thebibliography' environment}}}%
15590 \endlist}
15591 \renewcommand*\thesection{\thechapter\@SepMark\@arabic{c@section}}
15592 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic{c@subsection}}
15593 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic{c@subsubsection}}
15594 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic{c@paragraph}}
15595 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic{c@subparagraph}}
15596 \renewcommand*\theequation{%
15597 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@equation}}
15598 \renewcommand*\thefigure{%
15599 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@figure}}
15600 \renewcommand*\thetable{%
15601 \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic{c@table}}

```



```

15601 \if@titlepage
15602 \renewcommand*\TitleFont{\rmfamily}
15603 \renewcommand*\maketitle{%
15604   \begin{titlepage}%
15605     \let\footnotesize\small
15606     \let\right@footnoterule\relax
15607     \let\left@footnoterule\relax
15608     \let\textwidth@footnoterule\relax
15609     \let \footnote \thanks
15610     \long\def\@makefnmark##1{\parindent\z@
15611       \def\labelitemi{\textendash}\@revlabeltrue
15612       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15613     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15614     \if@compatibility\setcounter{page}{0}\fi
15615     \null\vfil
15616     \vskip 60\p@
15617     \begin{center}%
15618       \TitleFont
15619       {\LARGE \def\\{\penalty -\@M}
15620         \if@allcaps
15621           \expandafter\uc@nothanks\@title\thanks\relax
15622         \else
15623           \@title
15624         \fi\par}%
15625     \vskip 3em%
15626     {\large
15627       \lineskip .75em \parindent\z@
15628       \begin{tabular}[t]{c}%
15629         \if@allcaps
15630           \expandafter\uc@authornothanks\@author\and\relax
15631         \else
15632           \@author
15633         \fi
15634       \end{tabular}\par}%
15635     \vskip 1.5em%
15636     {\large
15637       \if@allcaps
15638         \uppercase\expandafter{\@date}%
15639       \else
15640         \@date
15641       \fi\par}%
15642     \end{center}\par
15643     \@thanks
15644     \vfil\null
15645   \end{titlepage}%
15646   \setcounter{footnote}{0}%
15647   \global\let\thanks\relax
15648   \global\let\maketitle\relax
15649   \global\let\@thanks\@empty
15650   \global\let\@author\@empty

```



```

15651 \global\let\@title\@empty
15652 \global\let\@date\@empty
15653 \global\let\title\relax
15654 \global\let\author\relax
15655 \global\let\date\relax
15656 \global\let\and\relax
15657 }
15658 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15659 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15660 \futurelet\@tempa\uc@ax}
15661 \def\uc@ax{%
15662 \ifx\@tempa\relax
15663 \else
15664 \\\andname \\\expandafter\uc@authornothanks
15665 \fi}
15666 \def\uc@tx{\ifx\@tempa\relax
15667 \else \expandafter\uc@ty \fi}
15668 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15669 \else
15670 \renewcommand*\maketitle{\par
15671 \begingroup
15672 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15673 \def\@makefnmark{\rlap{%
15674 \@textsuperscript{\normalfont\@thefnmark}}}%
15675 \long\def\@makefntext{\@xmakefntext{%
15676 \@textsuperscript{\normalfont\@thefnmark}}}%
15677 \if@twocolumn
15678 \ifnum \col@number=\@ne
15679 \@maketitle
15680 \else
15681 \twocolumn[\@maketitle]%
15682 \fi
15683 \else
15684 \newpage
15685 \global\@topnum\z@
15686 \@maketitle
15687 \fi
15688 \thispagestyle{plain}\@thanks
15689 \endgroup
15690 \setcounter{footnote}{0}%
15691 \global\let\thanks\relax
15692 \global\let\maketitle\relax
15693 \global\let\@maketitle\relax
15694 \global\let\@thanks\@empty
15695 \global\let\@author\@empty
15696 \global\let\@title\@empty
15697 \global\let\@date\@empty
15698 \global\let\title\relax
15699 \global\let\author\relax
15700 \global\let\date\relax

```



```

15701 \global\let\and\relax
15702 }
15703 \def\@maketitle{%
15704 \newpage
15705 \null
15706 \vskip 2em%
15707 \begin{center}%
15708 \let \footnote \thanks
15709 {\LARGE \TitleFont \@title \par}%
15710 \vskip 1.5em%
15711 {\large \TitleFont
15712 \lineskip .5em%
15713 \begin{tabular}[t]{c}%
15714 \@author
15715 \end{tabular}\par}%
15716 \vskip 1em%
15717 {\large \TitleFont \@date}%
15718 \end{center}%
15719 \par
15720 \vskip 1.5em}
15721 \fi

```

## 100 File rapport3-xetex-bidi.def

```

15722 \ProvidesFile{rapport3-xetex-bidi.def}[2017/06/09 v0.6 bidi adaptations for rapport3 class for
15723 \renewenvironment{theindex}{%
15724 \if@twocolumn
15725 \@restonecolfalse
15726 \else
15727 \@restonecoltrue
15728 \fi
15729 \columnseprule \z@
15730 \columnsep 35\p@
15731 \twocolumn[\@makeschapterhead{\indexname}]}%
15732 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
15733 \thispagestyle{plain}\parindent\z@
15734 \parskip\z@ \@plus .3\p@\relax
15735 \let\item\@idxitem
15736 }{%
15737 \if@restonecol\onecolumn\else\clearpage\fi}
15738 \if@titlepage
15739 \renewcommand*\TitleFont{\rmfamily}
15740 \renewcommand*\maketitle{%
15741 \begin{titlepage}%
15742 \let\footnotesize\small
15743 \let\right@footnoterule\relax
15744 \let\left@footnoterule\relax
15745 \let\textwidth@footnoterule\relax
15746 \let \footnote \thanks
15747 \let \LTRfootnote \LTRthanks

```



```

15748 \let \RTLfootnote \RTLthanks
15749 \long\def\@makefntext##1{\parindent\z@
15750 \def\labelitemi{\textendash}\@revlabeltrue
15751 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
15752 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15753 \if@compatibility\setcounter{page}{0}\fi
15754 \null\vfil
15755 \vskip 60\p@
15756 \begin{center}%
15757 \TitleFont
15758 {\LARGE \def\{\penalty -\@M}
15759 \if@allcaps
15760 \expandafter\uc@nothanks\@title\thanks\relax
15761 \else
15762 \@title
15763 \fi\par}%
15764 \vskip 3em%
15765 {\large
15766 \lineskip .75em \parindent\z@
15767 \begin{tabular}[t]{c}%
15768 \if@allcaps
15769 \expandafter\uc@authornothanks\@author\and\relax
15770 \else
15771 \@author
15772 \fi
15773 \end{tabular}\par}%
15774 \vskip 1.5em%
15775 {\large
15776 \if@allcaps
15777 \uppercase\expandafter{\@date}%
15778 \else
15779 \@date
15780 \fi\par}%
15781 \end{center}\par
15782 \@thanks
15783 \vfil\null
15784 \end{titlepage}%
15785 \setcounter{footnote}{0}%
15786 \global\let\thanks\relax
15787 \global\let\LTRthanks\relax
15788 \global\let\RTLthanks\relax
15789 \global\let\maketitle\relax
15790 \global\let\@thanks\@empty
15791 \global\let\@author\@empty
15792 \global\let\@title\@empty
15793 \global\let\@date\@empty
15794 \global\let\title\relax
15795 \global\let\author\relax
15796 \global\let\date\relax
15797 \global\let\and\relax

```



```

15798 }
15799 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
15800 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
15801     \futurelet\@tempa\uc@ax}
15802 \def\uc@ax{%
15803     \ifx\@tempa\relax
15804     \else
15805     \ \andname \ \expandafter\uc@authornothanks
15806     \fi}
15807 \def\uc@tx{\ifx\@tempa\relax
15808     \else \expandafter\uc@ty \fi}
15809 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
15810 \else
15811 \renewcommand*\maketitle{\par
15812     \beginingroup
15813     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
15814     \def\@makefnmark{\rlap{%
15815         \@textsuperscript{\normalfont\@thefnmark}}}%
15816     \long\def\@makefntext{\@xmakefntext{%
15817         \@textsuperscript{\normalfont\@thefnmark}}}%
15818     \if@twocolumn
15819         \ifnum \col@number=\@ne
15820             \@maketitle
15821         \else
15822             \twocolumn[\@maketitle]%
15823         \fi
15824     \else
15825         \newpage
15826         \global\@topnum\z@
15827         \@maketitle
15828     \fi
15829     \thispagestyle{plain}\@thanks
15830 \endgroup
15831 \setcounter{footnote}{0}%
15832 \global\let\thanks\relax
15833 \global\let\LTRthanks\relax
15834 \global\let\RTLthanks\relax
15835 \global\let\maketitle\relax
15836 \global\let\@maketitle\relax
15837 \global\let\@thanks\@empty
15838 \global\let\@author\@empty
15839 \global\let\@title\@empty
15840 \global\let\@date\@empty
15841 \global\let\title\relax
15842 \global\let\author\relax
15843 \global\let\date\relax
15844 \global\let\and\relax
15845 }
15846 \def\@maketitle{%
15847     \newpage

```



```

15848 \null
15849 \vskip 2em%
15850 \if@titlecentered
15851 \begin{center}%
15852 \let \footnote \thanks
15853 \let \LTRfootnote \LTRthanks
15854 \let \RTLfootnote \RTLthanks
15855 {\LARGE \TitleFont \@title \par}%
15856 \vskip 1.5em%
15857 {\large \TitleFont
15858 \lineskip .5em%
15859 \begin{tabular}[t]{c}%
15860 \@author
15861 \end{tabular}\par}%
15862 \vskip 1em%
15863 {\large \TitleFont \@date}%
15864 \end{center}%
15865 \else
15866 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
15867 {\large \TitleFont \lineskip .5em \tabcolsep\z@
15868 \def\and{%% \begin{tabular} has already started
15869 \end{tabular}\hskip 1em plus .17fil
15870 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular}
15871 \ifRTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par
15872 \vskip 1em {\large \TitleFont \@date}
15873 \fi
15874 \par
15875 \vskip 1.5em}
15876 \fi
15877 \renewcommand*\@regtocline[3]{%
15878 \ifnum #1>\c@tocdepth
15879 \else
15880 \vskip\z@\@plus.2\p@
15881 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
15882 \ifRTL\righskip\else\leftskip\fi\unitindent
15883 \ifRTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
15884 \parfillskip\z@
15885 \@tempdima\unitindent
15886 \parindent\z@
15887 \leavevmode
15888 \hbox{}\hskip -\ifRTL\righskip\else\leftskip\fi\relax#2\nobreak
15889 \hskip 1em \nobreak{\slshape #3}\par
15890 }%
15891 \fi}
15892 \if@oldtoc
15893 \renewcommand*\l@part[2]{%
15894 \ifnum \c@tocdepth >-2\relax
15895 \addpenalty{-\@highpenalty}%
15896 \addvspace{2.25em \@plus\p@}%
15897 \begingroup

```





```

15898     \setlength\@tempdima{3em}%
15899     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15900     \parfillskip -\@pnumwidth
15901     {\leavevmode
15902       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
15903       \nobreak
15904       \global\@nobreaktrue
15905       \everypar{\global\@nobreakfalse\everypar{}}%
15906     \endgroup
15907   \fi}
15908 \else
15909   \renewcommand*\l@part{%
15910     \ifnum \c@tocdepth >-2\relax
15911       \addpenalty{-\@highpenalty}%
15912       \addvspace{2.25em \@plus \p@}%
15913       \@regtocline{0}%
15914     \fi}
15915 \fi
15916 \if@oldtoc
15917 \renewcommand*\l@chapter[2]{%
15918   \addpenalty{-\@highpenalty}%
15919   \vskip 1.0em \@plus \p@
15920   \setlength\@tempdima{1.5em}%
15921   \begingroup
15922   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
15923   \parfillskip -\@pnumwidth
15924   \leavevmode \bfseries
15925   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
15926   \hskip -\if@RTL\rightskip\else\leftskip\fi
15927   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
15928   \penalty\@highpenalty
15929   \endgroup}
15930 \else
15931   \renewcommand*\l@chapter{\@regtocline{0}}
15932 \fi
15933 \renewcommand*\head@style{%
15934   \interlinepenalty \@M
15935   \hyphenpenalty=\@M \exhyphenpenalty=\@M
15936   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
15937 \if@titlepage
15938   \renewenvironment{abstract}{%
15939     \titlepage
15940     \null\vfil
15941     \section*{\SectFont\abstractname}%
15942     \noindent\ignorespaces}
15943     {\par\vfil\null\endtitlepage}
15944 \else
15945   \renewenvironment{abstract}{%
15946     \if@twocolumn
15947       \section*{\abstractname}%

```



```

15948 \else
15949 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
15950 \section*{\small\SectFont\abstractname}%
15951 \noindent\ignorespaces
15952 \fi}
15953 {\if@twocolumn\else\par\egroup\fi}
15954 \fi
15955 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
15956 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
15957 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
15958 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
15959 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
15960 \renewcommand*\thefigure{%
15961 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
15962 \renewcommand*\thetable{%
15963 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
15964 \renewcommand*\theequation{%
15965 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@equation}
15966 \renewenvironment{thebibliography}[1]
15967 {\chapter*{\bibname}%
15968 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
15969 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15970 \bidi@thebibliography@font@hook%
15971 \list{\@biblabel{\@arabic\c@enumiv}}%
15972 {\settowidth\labelwidth{\@biblabel{#1}}%
15973 \leftmargin\labelwidth
15974 \advance\leftmargin\labelsep
15975 \@openbib@code
15976 \usecounter{enumiv}%
15977 \let\p@enumiv\@empty
15978 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
15979 \sloppy\clubpenalty4000\widowpenalty4000%
15980 \sfcode`\.\@m}
15981 {\def\@noitemerr
15982 {\@latex@warning{Empty `thebibliography' environment}}}%
15983 \endlist}
15984 \renewcommand*\left@footnoterule{%
15985 \kern-3\p@
15986 \kern.5\baselineskip
15987 \hrule\@width\unitindent
15988 \kern.4\baselineskip
15989 }
15990 \renewcommand*\right@footnoterule{%
15991 \kern-3\p@
15992 \kern.5\baselineskip
15993 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\unitindent\relax \hrulefill }
15994 \kern.4\baselineskip}
15995 \renewcommand*\head@style{%
15996 \interlinepenalty \@M
15997 \hyphenpenalty=\@M \exhyphenpenalty=\@M

```



```
15998 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
```

## 101 File refrep-xetex-bidi.def

```
15999 \ProvidesFile{refrep-xetex-bidi.def}[2017/06/09 v0.5 bidi adaptations for refrep class for XeΛ
16000 \if@titlepage
16001 \renewcommand\maketitle{\begin{titlepage}%
16002 \let\footnotesize\small
16003 \let\right@footnoterule\relax
16004 \let\left@footnoterule\relax
16005 \let\textwidth@footnoterule\relax
16006 \let\footnote\thanks
16007 \let\LTRfootnote\LTRthanks
16008 \let\RTLfootnote\RTLthanks
16009 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16010 \def\@makefnmark%
16011 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16012 \long\def\@makefntext##1{%
16013 \setpar{\@par
16014 \tempdima = \hsize
16015 \advance\tempdima -1em
16016 \parshape \@ne 1em \tempdima}%
16017 \par\parindent 1em \noindent
16018 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
16019 \null\vfil
16020 \vskip 60\p@
16021 \begin{center}%
16022 {\LARGE \@title \par}%
16023 \vskip 3em%
16024 {\large
16025 \lineskip .75em%
16026 \begin{tabular}[t]{c}%
16027 \@author
16028 \end{tabular}\par}%
16029 \vskip 1.5em%
16030 {\large \@date \par}% % Set date in \large size.
16031 \end{center}\par
16032 \@thanks
16033 \vfil\null
16034 \end{titlepage}%
16035 \setcounter{footnote}{0}%
16036 \global\let\thanks\relax
16037 \global\let\LTRthanks\relax
16038 \global\let\RTLthanks\relax
16039 \global\let\maketitle\relax
16040 \global\let\@thanks\@empty
16041 \global\let\@author\@empty
16042 \global\let\@date\@empty
16043 \global\let\@title\@empty
16044 \global\let\title\relax
```



```

16045 \global\let\author\relax
16046 \global\let\date\relax
16047 \global\let\and\relax
16048 }
16049 \else
16050 \renewcommand\maketitle{\par
16051 \begingroup
16052 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16053 \def\@makefnmark%
16054 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16055 \long\def\@makefntext##1{%
16056 \@setpar{\@par
16057 \@tempdima = \hsize
16058 \advance\@tempdima -1em
16059 \parshape \@ne 1em \@tempdima}%
16060 \par\parindent 1em \noindent
16061 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,\,##1}
16062 \if@twocolumn
16063 \ifnum \col@number=\@ne
16064 \maketitle
16065 \else
16066 \twocolumn[\maketitle]%
16067 \fi
16068 \else
16069 \newpage
16070 \global\@topnum\z@ % Prevents figures from going at top of page.
16071 \maketitle
16072 \fi
16073 \thispagestyle{empty}\@thanks
16074 \endgroup
16075 \setcounter{footnote}{0}%
16076 \global\let\thanks\relax
16077 \global\let\LTRthanks\relax
16078 \global\let\RTLthanks\relax
16079 \global\let\maketitle\relax
16080 \global\let\@maketitle\relax
16081 \global\let\@thanks\@empty
16082 \global\let\@author\@empty
16083 \global\let\@date\@empty
16084 \global\let\@title\@empty
16085 \global\let\title\relax
16086 \global\let\author\relax
16087 \global\let\date\relax
16088 \global\let\and\relax
16089 }
16090 \def\@maketitle{%
16091 \newpage
16092 \null
16093 \longthickrule\vskip1.5em%
16094 \let \footnote \thanks

```



```

16095 \let \LTRfootnote \LTRthanks
16096 \let \RTLfootnote \RTLthanks
16097 {\secshape \parskip\z@ \parindent\z@
16098 \Large\bfseries \@title \par}%
16099 \vskip1.5em\longthickrule\vskip1.5em%
16100 {\normalsize
16101 \lineskip .5em%
16102 \begin{flushright}%
16103 {\slshape\@author\par}
16104 \vskip 1em%
16105 {\@date}%
16106 \end{flushright}\par}%
16107 \vskip 1.5em}
16108 \fi
16109 \renewcommand*\l@part[2]{%
16110 \ifnum \c@tocdepth >-2\relax
16111 \addpenalty{-\@highpenalty}%
16112 \addvspace{2.25em \@plus\p@}%
16113 \begingroup
16114 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16115 \parfillskip -\@pnumwidth
16116 {\leavevmode
16117 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
16118 \nobreak
16119 \global\@nobreaktrue
16120 \everypar{\global\@nobreakfalse\everypar{}}%
16121 \endgroup
16122 \fi}
16123 \renewcommand*\l@chapter[2]{%
16124 \ifnum \c@tocdepth >\m@ne
16125 \addpenalty{-\@highpenalty}%
16126 \vskip 1.0em \@plus\p@
16127 \setlength\@tempdima{1.5em}%
16128 \begingroup
16129 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16130 \parfillskip -\@pnumwidth
16131 \leavevmode \bfseries
16132 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
16133 \hskip -\if@RTL\rightskip\else\leftskip\fi
16134 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16135 \penalty\@highpenalty
16136 \endgroup
16137 \fi}
16138 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
16139 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
16140 \hyphenpenalty=2000}
16141 \renewcommand\left@footnoterule{%
16142 \kern-3\p@
16143 \hrule\@width.4\columnwidth
16144 \kern 2.6\p@}

```



```

16145 \renewcommand\right@footnoterule{%
16146   \kern-3\p@
16147   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16148   \kern2.6\p@}
16149 \renewcommand\theequation
16150 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16151 \renewcommand\thefigure
16152   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16153 \renewcommand\thetable%
16154   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16155 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
16156 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16157 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16158 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
16159 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16160 \renewenvironment{thebibliography}[1]
16161   {\chapter*{\bibname
16162     \@mkboth{\bibname}{\bibname}}%
16163     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16164     \bidi@thebibliography@font@hook%
16165     \list{\@biblabel{\@arabic\c@enumiv}}%
16166       {\settowidth\labelwidth{\@biblabel{#1}}%
16167         \leftmargin\labelwidth
16168         \advance\leftmargin\labelsep
16169         \@openbib@code
16170         \usecounter{enumiv}%
16171         \let\p@enumiv\@empty
16172         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16173         \sloppy
16174         \clubpenalty4000
16175         \@clubpenalty \clubpenalty
16176         \widowpenalty4000%
16177     \sfcode`\.=\@m}
16178 {\def\@noitemerr
16179   {\@latex@warning{Empty `thebibliography' environment}}%
16180   \endlist}

```

## 102 File report-xetex-bidi.def

```

16181 \ProvidesFile{report-xetex-bidi.def}[2017/06/09 v0.8 bidi adaptations for standard report class]
16182 \renewenvironment{theindex}
16183   {\if@twocolumn
16184     \@restonecolfalse
16185     \else
16186       \@restonecoltrue
16187     \fi
16188     \columnseprule \z@
16189     \columnsep 35\p@
16190     \twocolumn[\@makeschapterhead{\indexname}]%
16191     \@mkboth{\MakeUppercase\indexname}%

```



```

16192             {\MakeUppercase\indexname}%
16193             \thispagestyle{plain}\parindent\z@
16194             \parskip\z@ \@plus .3\p@\relax
16195             \let\item\@idxitem}
16196         {\if@restonecol\onecolumn\else\clearpage\fi}
16197     \if@titlepage
16198     \renewcommand\maketitle{\begin{titlepage}%
16199     \let\footnotesize\small
16200     \let\right@footnoterule\relax
16201     \let\left@footnoterule\relax
16202     \let\textwidth\footnoterule\relax
16203     \let \footnote \thanks
16204     \let \LTRfootnote \LTRthanks
16205     \let \RTLfootnote \RTLthanks
16206     \null\vfil
16207     \vskip 60\p@
16208     \begin{center}%
16209         {\LARGE \@title \par}%
16210         \vskip 3em%
16211         {\large
16212         \lineskip .75em%
16213         \begin{tabular}[t]{c}%
16214             \@author
16215             \end{tabular}\par}%
16216         \vskip 1.5em%
16217         {\large \@date \par}%           % Set date in \large size.
16218     \end{center}\par
16219     \@thanks
16220     \vfil\null
16221     \end{titlepage}%
16222     \setcounter{footnote}{0}%
16223     \global\let\thanks\relax
16224     \global\let\LTRthanks\relax
16225     \global\let\RTLthanks\relax
16226     \global\let\maketitle\relax
16227     \global\let\@thanks\@empty
16228     \global\let\@author\@empty
16229     \global\let\@date\@empty
16230     \global\let\@title\@empty
16231     \global\let\title\relax
16232     \global\let\author\relax
16233     \global\let\date\relax
16234     \global\let\and\relax
16235 }
16236 \else
16237 \renewcommand\maketitle{\par
16238 \begingroup
16239 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
16240 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
16241 \long\def\@makefntext##1{\parindent 1em\noindent

```



```

16242         \hb@xt@1.8em{%
16243             \hss\@textsuperscript{\normalfont\@thefnmark}}\##1}%
16244     \if@twocolumn
16245         \ifnum \col@number=\@ne
16246             \@maketitle
16247         \else
16248             \twocolumn[\@maketitle]%
16249         \fi
16250     \else
16251         \newpage
16252         \global\@topnum\z@    % Prevents figures from going at top of page.
16253         \@maketitle
16254     \fi
16255     \thispagestyle{plain}\@thanks
16256 \endgroup
16257 \setcounter{footnote}{0}%
16258 \global\let\thanks\relax
16259 \global\let\LTRthanks\relax
16260 \global\let\RTLthanks\relax
16261 \global\let\maketitle\relax
16262 \global\let\@maketitle\relax
16263 \global\let\@thanks\@empty
16264 \global\let\@author\@empty
16265 \global\let\@date\@empty
16266 \global\let\@title\@empty
16267 \global\let\title\relax
16268 \global\let\author\relax
16269 \global\let\date\relax
16270 \global\let\and\relax
16271 }
16272 \def\@maketitle{%
16273     \newpage
16274     \null
16275     \vskip 2em%
16276     \begin{center}%
16277         \let \footnote \thanks
16278         \let \LTRfootnote \LTRthanks
16279         \let \RTLfootnote \RTLthanks
16280         {\LARGE \@title \par}%
16281         \vskip 1.5em%
16282         {\large
16283             \lineskip .5em%
16284             \begin{tabular}[t]{c}%
16285                 \@author
16286             \end{tabular}\par}%
16287         \vskip 1em%
16288         {\large \@date}%
16289     \end{center}%
16290     \par
16291     \vskip 1.5em}

```





```

16292 \fi
16293 \renewcommand*\l@part[2]{%
16294   \ifnum \c@tocdepth >-2\relax
16295     \addpenalty{-\@highpenalty}%
16296     \addvspace{2.25em \@plus\p@}%
16297     \setlength\@tempdima{3em}%
16298     \begingroup
16299       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16300       \parfillskip -\@pnumwidth
16301       {\leavevmode
16302         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
16303       \nobreak
16304       \global\@nobreaktrue
16305       \everypar{\global\@nobreakfalse\everypar{}}%
16306     \endgroup
16307   \fi}
16308 \renewcommand*\l@chapter[2]{%
16309   \ifnum \c@tocdepth >\m@ne
16310     \addpenalty{-\@highpenalty}%
16311     \vskip 1.0em \@plus\p@
16312     \setlength\@tempdima{1.5em}%
16313     \begingroup
16314       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
16315       \parfillskip -\@pnumwidth
16316       \leavevmode \bfseries
16317       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
16318       \hskip -\if@RTL\rightskip\else\leftskip\fi
16319       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
16320       \penalty\@highpenalty
16321     \endgroup
16322   \fi}
16323 \renewcommand\left@footnoterule{%
16324   \kern-3\p@
16325   \hrule\@width.4\columnwidth
16326   \kern2.6\p@}
16327 \renewcommand\right@footnoterule{%
16328   \kern-3\p@
16329   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16330   \kern2.6\p@}
16331 \renewcommand\theequation
16332   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
16333 \renewcommand \thefigure
16334   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
16335 \renewcommand \thetable
16336   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
16337 \renewcommand \thechapter {\@arabic\c@chapter}
16338 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
16339 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
16340 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
16341 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}

```



```

16342 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
16343 \def\@makechapterhead#1{%
16344   \vspace*{50\p@}%
16345   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
16346     \ifnum \c@secnumdepth >\m@ne
16347       \huge\bfseries \@chapapp\space \thechapter
16348       \par\nobreak
16349       \vskip 20\p@
16350     \fi
16351     \interlinepenalty\@M
16352     \Huge \bfseries #1\par\nobreak
16353     \vskip 40\p@
16354   }}
16355 \def\@makeschapterhead#1{%
16356   \vspace*{50\p@}%
16357   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
16358     \normalfont
16359     \interlinepenalty\@M
16360     \Huge \bfseries #1\par\nobreak
16361     \vskip 40\p@
16362   }}
16363 \renewenvironment{thebibliography}[1]
16364   {\chapter*\bibname}%
16365   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
16366   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16367   \bidi@thebibliography@font@hook%
16368   \list{\@biblabel{\@arabic\c@enumiv}}%
16369     {\settowidth\labelwidth{\@biblabel{#1}}%
16370     \leftmargin\labelwidth
16371     \advance\leftmargin\labelsep
16372     \@openbib@code
16373     \usecounter{enumiv}%
16374     \let\p@enumiv\@empty
16375     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
16376   \sloppy
16377   \clubpenalty4000
16378   \@clubpenalty \clubpenalty
16379   \widowpenalty4000%
16380   \sfcode`\.\@m}
16381   {\def\@noitemerr
16382     {\@latex@warning{Empty `thebibliography' environment}}%
16383   \endlist}

```

## 103 File rotating-xetex-bidi.def

```

16384 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package]
16385 \def\end@rotfloat{%
16386   \end{minipage}\end{lrbox}%
16387   \stepcounter{r@tfl@t}%
16388   \rot@label{RF\ther@tfl@t}%

```



```

16389 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16390 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16391 \rot@mess@toks\expandafter{\@tempa}
16392 \wd\rot@float@box\z@
16393 \ht\rot@float@box\z@
16394 \dp\rot@float@box\z@
16395 \vboxL to \textheight{%
16396 \setkeys{Grot}{units=360}%
16397 \if@rot@twoside
16398 \else
16399 \let\R@@page\rot@LR
16400 \fi
16401 \ifthenelse{\isodd{\R@@page}}{%
16402 \if@rot@twoside
16403 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16404 \fi
16405 \vfill
16406 @@line{%
16407 \hskip\rotFPtop
16408 \rotatebox{90}{\box\rot@float@box}%
16409 \hskip\rotFPbot
16410 }%
16411 }{%
16412 \if@rot@twoside
16413 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16414 \fi
16415 @@line{%
16416 \hskip\rotFPbot
16417 \rotatebox{-90}{\box\rot@float@box}%
16418 \hskip\rotFPtop
16419 }%
16420 \vfill
16421 }%
16422 \rot@message{\the\rot@mess@toks}
16423 }%
16424 \end@float
16425 }
16426 \let\endsidewaysfigure\end@rotfloat
16427 \let\endsidewaysstable\end@rotfloat
16428 \def\end@rotdblfloat{%
16429 \end{minipage}\end{lrbox}%
16430 \stepcounter{r@tfl@t}%
16431 \rot@label{RF\ther@tfl@t}%
16432 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
16433 \edef\@tempa{Adding sideways \capttype\space on page \R@@page\space}
16434 \rot@mess@toks\expandafter{\@tempa}
16435 \@tempdima\ht\rot@float@box
16436 \advance\@tempdima by \dp\rot@float@box
16437 \wd\rot@float@box\z@
16438 \ht\rot@float@box\z@

```



```

16439 \dp\rot@float@box\z@
16440 \vboxL to \textheight{%
16441   \setkeys{Grot}{units=360}%
16442   \if@rot@twoside
16443   \else
16444     \let\R@@page\rot@LR
16445   \fi
16446   \ifthenelse{\isodd{\R@@page}}{%
16447     \ifrot@messages
16448     \if@rot@twoside
16449     \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
16450 \fi
16451     \fi
16452     \vfill
16453     \@@line{%
16454       \hskip\rotFPtop
16455       \rotatebox{90}{\box\rot@float@box}%
16456       \hskip\rotFPbot
16457     }%
16458   }{%
16459     \ifrot@messages
16460     \if@rot@twoside
16461     \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
16462 \fi
16463     \fi%
16464     \@@line{%
16465       \hskip\rotFPbot
16466       \rotatebox{-90}{\box\rot@float@box}%
16467       \hskip\rotFPtop
16468     }%
16469     \vfill
16470   }%
16471   \rot@message{\the\rot@mess@toks}%
16472 }%
16473 \end@dblfloat
16474 }
16475 \def\turn#1{%
16476   \Grot@setangle{#1}%
16477   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16478 \def\endturn{%
16479   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16480   \unskip\color@endbox
16481   \Grot@x\z@
16482   \Grot@y\z@
16483   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16484 }
16485 \def\rotate#1{%
16486   \Grot@setangle{#1}%
16487   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16488 \def\endrotate{%

```



```

16489 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16490 \unskip\color@endbox
16491 \Grot@x\z@
16492 \Grot@y\z@
16493 \wd0\z@\dp0\z@\ht0\z@
16494 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16495 }
16496 \def\turnbox#1#2{%
16497 \Grot@setangle{#1}%
16498 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}
16499 \Grot@x\z@\Grot@y\z@
16500 \wd0\z@\dp0\z@\ht0\z@
16501 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16502 }
16503 \def\sideways{%
16504 \Grot@setangle{90}%
16505 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
16506 \def\endsideways{%
16507 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
16508 \unskip\color@endbox
16509 \Grot@x\z@
16510 \Grot@y\z@
16511 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
16512 }

```

## 104 File scrartcl-xetex-bidi.def

```

16513 \ProvidesFile{scrartcl-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrartcl class for
16514 \newcommand{\scr@saved@LTRfootnotetext}{}
16515 \newcommand{\scr@saved@RTLfootnotetext}{}
16516 \let\scr@saved@footnotetext\@footnotetext
16517 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
16518 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
16519 \renewcommand{\@footnotetext}[1]{%
16520 \scr@saved@footnotetext{#1}%
16521 \csname FN@mfp@prepare\endcsname
16522 }
16523 \renewcommand{\@LTRfootnotetext}[1]{%
16524 \scr@saved@LTRfootnotetext{#1}%
16525 \csname FN@mfp@prepare\endcsname
16526 }
16527 \renewcommand{\@RTLfootnotetext}[1]{%
16528 \scr@saved@RTLfootnotetext{#1}%
16529 \csname FN@mfp@prepare\endcsname
16530 }
16531 \renewcommand\deffootnote[4][1]{%
16532 \long\def\@makefn#1{%
16533 \setlength{\@tempdimc}{#3}%
16534 \def\@tempa{#1}\ifx\@tempa\@empty
16535 \setpar{\@par

```



```

16536      \@tempdima = \hsize
16537      \addtolength{\@tempdima}{-#2}%
16538      \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
16539  \else
16540      \addtolength{\@tempdimc}{#2}%
16541      \addtolength{\@tempdimc}{-#1}%
16542      \@setpar{\@par
16543      \@tempdima = \hsize
16544      \addtolength{\@tempdima}{-#1}%
16545      \@tempdimb = \hsize
16546      \addtolength{\@tempdimb}{-#2}%
16547      \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
16548  }%
16549  \fi
16550  \par
16551  \parindent\@tempdimc\noindent
16552  \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
16553 }%
16554 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
16555 }
16556 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
16557 \renewcommand*\left@footnoterule{%
16558   \normalsize\ftn@rule@test@values
16559   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16560   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16561   {\usekomafont{footnoterule}{%
16562     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
16563   \kern 2.6\p@}
16564 \renewcommand*\right@footnoterule{%
16565   \normalsize\ftn@rule@test@values
16566   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
16567   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16568   {\usekomafont{footnoterule}{%
16569     \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
16570     \kern 2.6\p@}
16571 \renewcommand*\maketitle[1][1]{%
16572   \if@titlepage
16573     \begin{titlepage}
16574       \setcounter{page}{%
16575         #1%
16576       }%
16577       \let\footnotesize\small
16578       \let\right@footnoterule\relax
16579       \let\left@footnoterule\relax
16580       \let\textwidth\footnoterule\relax
16581       \let\footnote\thanks
16582       \let\LTRfootnote\LTRthanks
16583       \let\RTLfootnote\RTLthanks
16584       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16585       \let\@oldmakefnmark\makefnmark

```



```

16586 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
16587 \ifx\@extratitle\@empty \else
16588 \noindent\@extratitle\next@tpage\cleardoubleemptypage
16589 \thispagestyle{empty}%
16590 \fi
16591 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16592 \ifx\@titlehead\@empty \else
16593 \begin{minipage}[t]{\textwidth}%
16594 \@titlehead
16595 \end{minipage}\par
16596 \fi
16597 \null\vfill
16598 \begin{center}
16599 \ifx\@subject\@empty \else
16600 {\subject@font \@subject \par}%
16601 \vskip 3em
16602 \fi
16603 {\titlefont\huge \@title\par}%
16604 \vskip 1em
16605 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16606 \vskip 2em
16607 {\Large \lineskip 0.75em
16608 \begin{tabular}[t]{c}
16609 \@author
16610 \end{tabular}\par
16611 }%
16612 \vskip 1.5em
16613 {\Large \@date \par}%
16614 \vskip \z@ \@plus3fill
16615 {\Large \@publishers \par}%
16616 \vskip 3em
16617 \end{center}\par
16618 \@thanks
16619 \vfill\null
16620 \if@twoside\next@tpage
16621 \begin{minipage}[t]{\textwidth}
16622 \@uppertitleback
16623 \end{minipage}\par
16624 \vfill
16625 \begin{minipage}[b]{\textwidth}
16626 \@lowertitleback
16627 \end{minipage}
16628 \fi
16629 \ifx\@dedication\@empty \else
16630 \next@tpage\null\vfill
16631 {\centering \Large \@dedication \par}%
16632 \vskip \z@ \@plus3fill
16633 \if@twoside \next@tpage\cleardoubleemptypage \fi
16634 \fi
16635 \end{titlepage}

```



```

16636 \else
16637   \par
16638   \@tempcnta=%
16639   #1%
16640   \relax\ifnum\@tempcnta=1\else
16641     \ClassWarning{\KOMAClassName}{%
16642       Optional argument of \string\maketitle\space ignored
16643       at\MessageBreak
16644       notitlepage-mode%
16645     }%
16646   \fi
16647   \begingroup
16648     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
16649     \let\@oldmakefnmark\@makefnmark
16650     \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
16651     \if@twocolumn
16652       \ifnum \col@number=\@one
16653         \@maketitle
16654       \else
16655         \twocolumn[\@maketitle]%
16656       \fi
16657     \else
16658       \newpage
16659       \global\@topnum\z@
16660       \@maketitle
16661     \fi
16662     \thispagestyle{\titlepagestyle}\@thanks
16663   \endgroup
16664 \fi
16665 \setcounter{footnote}{0}%
16666 \let\thanks\relax
16667 \let\LTRthanks\relax
16668 \let\RTLthanks\relax
16669 \let\maketitle\relax
16670 \let\@maketitle\relax
16671 \global\let\@thanks\@empty
16672 \global\let\@author\@empty
16673 \global\let\@date\@empty
16674 \global\let\@title\@empty
16675 \global\let\@subtitle\@empty
16676 \global\let\@extratitle\@empty
16677 \global\let\@titlehead\@empty
16678 \global\let\@subject\@empty
16679 \global\let\@publishers\@empty
16680 \global\let\@uppertitleback\@empty
16681 \global\let\@lowertitleback\@empty
16682 \global\let\@dedication\@empty
16683 \global\let\author\relax
16684 \global\let\title\relax
16685 \global\let\extratitle\relax

```





```

16686 \global\let\titlehead\relax
16687 \global\let\subject\relax
16688 \global\let\publishers\relax
16689 \global\let\uppertitleback\relax
16690 \global\let\lowertitleback\relax
16691 \global\let\dedication\relax
16692 \global\let\date\relax
16693 \global\let\and\relax
16694 }%
16695 \renewcommand*{\@maketitle}{%
16696 \clearpage
16697 \let\footnote\thanks
16698 \let\LTRfootnote\LTRthanks
16699 \let\RTLfootnote\RTLthanks
16700 \ifx\@extratitle\@empty \else
16701 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
16702 \fi
16703 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
16704 \ifx\@titlehead\@empty \else
16705 \begin{minipage}[t]{\textwidth}
16706 \@titlehead
16707 \end{minipage}\par
16708 \fi
16709 \null
16710 \vskip 2em%
16711 \begin{center}%
16712 \ifx\@subject\@empty \else
16713 {\subject@font \@subject \par}
16714 \vskip 1.5em
16715 \fi
16716 {\titlefont\huge \@title \par}%
16717 \vskip .5em
16718 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
16719 \vskip 1em
16720 {\Large
16721 \lineskip .5em%
16722 \begin{tabular}[t]{c}
16723 \@author
16724 \end{tabular}\par
16725 }%
16726 \vskip 1em%
16727 {\Large \@date \par}%
16728 \vskip \z@ \@plus 1em
16729 {\Large \@publishers \par}
16730 \ifx\@dedication\@empty \else
16731 \vskip 2em
16732 {\Large \@dedication \par}
16733 \fi
16734 \end{center}%
16735 \par

```



```

16736 \vskip 2em
16737 }%
16738 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
16739 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
16740 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
16741 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
16742 \renewcommand*{\thesubsubsection}{%
16743 \thesubsection\@SepMark\@arabic\c@subsubsection
16744 }
16745 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
16746 \renewcommand*{\thesubparagraph}{%
16747 \theparagraph\@SepMark\@arabic\c@subparagraph
16748 }
16749 \renewenvironment{thebibliography}[1]{%
16750 \if@bib@break@
16751 \bib@beginhook
16752 \else
16753 \bib@heading
16754 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
16755 \noindent\bibpreamble\par\nobreak
16756 \fi\fi
16757 \bib@beginhook
16758 \bib@before@hook
16759 \fi
16760 \renewcommand{\BreakBibliography}[1]{%
16761 \@bib@break
16762 \end{thebibliography}%
16763 \begingroup ##1\endgroup
16764 \begin{thebibliography}{#1}
16765 }%
16766 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
16767 \bidi@thebibliography@font@hook%
16768 \list{%
16769 \@biblabel{\@arabic\c@enumiv}%
16770 }{%
16771 \settowidth\labelwidth{\@biblabel{#1}}%
16772 \leftmargin\labelwidth
16773 \advance\leftmargin\labelsep
16774 \@openbib@code
16775 \if@bib@break@
16776 \edef\@tempa{%
16777 \noexpand\usecounter{enumiv}%
16778 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
16779 }\@tempa
16780 \no@bib@break
16781 \else
16782 \usecounter{enumiv}%
16783 \fi
16784 \let\p@enumiv\@empty
16785 \renewcommand*\theenumiv{\@arabic\c@enumiv}%

```



```

16786 }%
16787 \sloppy\clubpenalty4000 \widowpenalty4000
16788 \sfcode`\.\=\@m
16789 }{
16790 \if@bib@break@
16791 \def\@noitemerr{%
16792 \@latex@warning{%
16793 \string\BreakBibliography\space at begin of `thebibliography'
16794 environment\MessageBreak
16795 or following \string\BreakBibliography}%
16796 }%
16797 \else
16798 \def\@noitemerr{%
16799 \@latex@warning{%
16800 Empty `thebibliography' environment or
16801 \string\BreakBibliography\MessageBreak
16802 before end of `thebibliography' environment}%
16803 }%
16804 \fi
16805 \endlist
16806 \if@bib@break@
16807 \else
16808 \bib@after@hook
16809 \let\bib@before@hook\@empty
16810 \let\bib@after@hook\@empty
16811 \fi
16812 \bib@endhook
16813 }
16814 \renewcommand*\left@footnoterule{%
16815 \kern-3\p@
16816 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16817 \hrule\@width.4\columnwidth
16818 \kern 2.6\p@}
16819 \renewcommand*\right@footnoterule{%
16820 \kern-3\p@
16821 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
16822 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
16823 \kern2.6\p@}
16824 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
16825 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
16826 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
16827 \renewcommand\marginline[1]{%
16828 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
16829 }
16830 \renewcommand{\@makecaption}[3]{%
16831 \cap@margin
16832 \ifonelinecaptions
16833 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
16834 \let\scr@tmp@footnotetext=\@footnotetext
16835 \let\@footnotetext=\@gobble

```



```

16836 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
16837 \let\@LTRfootnotetext=\@gobble
16838 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
16839 \let\@RTLfootnotetext=\@gobble
16840 \sbox\@tempboxa{%
16841   {\capfont{\strut\ignorespaces
16842     #1{\caplabelfont{#2\captionformat}}}%
16843     #3\unskip\strut}}%
16844 }%
16845 \let\@footnotetext=\scr@tmp@footnotetext
16846 \let\scr@tmp@footnotetext=\undefined
16847 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
16848 \let\scr@tmp@LTRfootnotetext=\undefined
16849 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
16850 \let\scr@tmp@RTLfootnotetext=\undefined
16851 \setcounter{footnote}{\@tempcntb}%
16852 \setcounter{mpfootnote}{\@tempcnta}%
16853 \else
16854   \sbox\@tempboxa{\hspace*{2\cap@width}}%
16855 \fi
16856 \begingroup%
16857   \setlength{\@tempdima}{\cap@width}%
16858   \ifdim \wd\@tempboxa >\@tempdima
16859     \hb@xt@\hsize{%
16860       \setbox\@tempboxa\vbox{\hsize=\cap@width
16861         \ifdofullc@p
16862           {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
16863             #1{\caplabelfont{#2\captionformat}}}%
16864             {#3\unskip\strut\par}}}%
16865         \else%
16866           \ifdim\cap@indent<\z@
16867             {\capfont{\strut\ignorespaces
16868               #1{\caplabelfont{#2\captionformat\par}}}%
16869               \noindent\hspace*{-\cap@indent}{#3\unskip\strut\par}}%
16870           \else%
16871             \if@capbreak
16872               {\capfont{\strut\ignorespaces
16873                 #1{\caplabelfont{#2\captionformat\par}}}%
16874                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
16875             \else
16876               {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
16877                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
16878                   {\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%
16879             \fi
16880           \fi
16881         \fi
16882       }%
16883       \setlength{\@tempdima}{\ht\@tempboxa}%
16884       \addtolength{\@tempdima}{\dp\@tempboxa}%
16885       \addtolength{\@tempdima}{-\ht\strutbox}%

```



```

16886      \ht\@tempboxa\ht\strutbox
16887      \dp\@tempboxa\@tempdima
16888      \strut\cap@left
16889      \box\@tempboxa
16890      \cap@right\strut
16891    }%
16892  \else
16893    \global \@minipagefalse
16894    \sbox\@tempboxa{%
16895      {\capfont{\scr@smashdp{\strut\ignorespaces
16896        #1{\caplabelfont{#2\captionformat}}}}}%
16897      #3}}%
16898    }%
16899    {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right\strut}}
16900  \fi
16901 \endgroup
16902 }
16903 \renewcommand{\@makecaption}[2]{%
16904   \if@captionabove
16905     \vskip\belowcaptionskip
16906   \else
16907     \vskip\abovecaptionskip
16908   \fi
16909   @@makecaption\@firstofone{#1}{#2}%
16910   \if@captionabove
16911     \vskip\abovecaptionskip
16912   \else
16913     \vskip\belowcaptionskip
16914   \fi
16915 }
16916 \bidi@AfterFile{longtable-xetex-bidi.def}{%
16917   \@ifpackageloaded{caption2}{\@komalongtablefalse
16918     \scr@caption@before@longtable@warning{caption2}%
16919   }{}%
16920   \if@komalongtable
16921     \renewcommand{\LT@makecaption}[3]{%
16922       \noalign{%
16923         \if@captionabove
16924           \vskip\belowcaptionskip
16925         \else
16926           \vskip\abovecaptionskip
16927         \fi
16928       }%
16929       \LT@mcol\LT@cols c{%
16930         \hbox to\z@{\hss\parbox[t]{\linewidth{%
16931           \@makecaption{#1}{#2}{#3}%
16932         \endgraf
16933         \if@captionabove
16934           \vskip\abovecaptionskip
16935         \else

```



```

16936         \vskip\belowcaptionskip
16937     \fi
16938     }%
16939     \hss
16940 }%
16941 }%
16942 }%
16943 \renewcommand*{\scr@LT@array}{}%
16944 \let\scr@LT@array=\LT@array
16945 \renewcommand*{\LT@array}{%
16946     \let\scr@caption=\LT@caption
16947     \def\captionabove{\noalign{\global\@captionabovetrue}%
16948         \scr@caption}%
16949     \def\captionbelow{\noalign{\global\@captionabovetrue}%
16950         \scr@caption}%
16951     \if@tablecaptionabove
16952         \let\LT@caption=\captionabove
16953     \else
16954         \let\LT@caption=\captionbelow
16955     \fi
16956     \scr@LT@array
16957 }%
16958 \ClassInfo{\KOMAClassName}{%
16959     longtable captions redefined%
16960 }%
16961 \fi
16962 }
16963
16964 \CloneTOCEntryStyle{tocline}{part}
16965 \TOCEntryStyleStartInitCode{part}{%
16966     \expandafter\renewcommand%
16967     \csname scr@tso@#1@linefill\endcsname{\hfill}%
16968     \expandafter\renewcommand%
16969     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
16970     \expandafter\renewcommand%
16971     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
16972         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
16973     \expandafter\renewcommand\expandafter*%
16974     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
16975 }
16976
16977 \CloneTOCEntryStyle{tocline}{section}
16978 \TOCEntryStyleStartInitCode{section}{%
16979     \expandafter\renewcommand%
16980     \csname scr@tso@#1@linefill\endcsname{%
16981         \if@sectionentrywithdots
16982             \TOCLineLeaderFill\relax
16983         \else
16984             \hfill
16985         \fi

```



```

16986 }%
16987 % F^^fcr die Eintr^^e4ge die Schrift von Element sectionentry verwenden.
16988 \expandafter\renewcommand%
16989 \csname scr@tso@#1@entryformat\endcsname{\usekomafont{sectionentry}}%
16990 \expandafter\renewcommand%
16991 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\usekomafont{sectionentry}{\usekomafont{se
16992 \expandafter\renewcommand\expandafter*%
16993 \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
16994 }
16995
16996 \CloneTOCEntryStyle{tocline}{subsection}
16997 \TOCEntryStyleStartInitCode{subsection}{%
16998 \expandafter\renewcommand%
16999 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17000 }
17001
17002 \CloneTOCEntryStyle{subsection}{default}
17003
17004 \DeclareSectionCommand[%
17005 style=part,%
17006 level=\z@,%
17007 tocstyle=part,%
17008 toclevel=\m@ne,%
17009 tocindent=\z@,%
17010 tocnumwidth=2em%
17011 ]{part}
17012 \DeclareSectionCommand[%
17013 style=section,%
17014 level=1,%
17015 indent=\z@,%
17016 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
17017 afterskip=2.3ex \@plus .2ex,%
17018 tocstyle=section,%
17019 tocindent=0pt,%
17020 tocnumwidth=1.5em%
17021 ]{section}
17022 \DeclareSectionCommand[%
17023 style=section,%
17024 level=2,%
17025 indent=\z@,%
17026 beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
17027 afterskip=1.5ex \@plus .2ex,%
17028 tocstyle=subsection,%
17029 tocindent=1.5em,%
17030 tocnumwidth=2.3em%
17031 ]{subsection}
17032 \DeclareSectionCommand[%
17033 style=section,%
17034 level=3,%
17035 indent=\z@,%

```



```

17036 beforeskip=-3.25ex\@plus -1ex \@minus -.2ex,%
17037 afterskip=1.5ex \@plus .2ex,%
17038 tocstyle=subsection,%
17039 tocindent=3.8em,%
17040 tocnumwidth=3.2em%
17041 ]{subsubsection}
17042 \DeclareSectionCommand[%
17043   style=section,%
17044   level=4,%
17045   indent=\z@,%
17046   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
17047   afterskip=-1em,%
17048   tocstyle=subsection,%
17049   tocindent=7.0em,%
17050   tocnumwidth=4.1em%
17051 ]{paragraph}
17052 \DeclareSectionCommand[%
17053   style=section,%
17054   level=5,%
17055   indent=\scr@parindent,%
17056   beforeskip=3.25ex \@plus1ex \@minus .2ex,%
17057   afterskip=-1em,%
17058   tocstyle=subsection,%
17059   tocindent=10em,%
17060   tocnumwidth=5em%
17061 ]{subparagraph}

```

## 105 File scrbook-xetex-bidi.def

```

17062 \ProvidesFile{scrbook-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrbook class for X
17063 \newcommand{\scr@saved@LTRfootnotetext}{}
17064 \newcommand{\scr@saved@RTLfootnotetext}{}
17065 \let\scr@saved@footnotetext\@footnotetext
17066 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17067 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17068 \renewcommand{\@footnotetext}[1]{%
17069   \scr@saved@footnotetext{#1}%
17070   \csname FN@mf@prepare\endcsname
17071 }
17072 \renewcommand{\@LTRfootnotetext}[1]{%
17073   \scr@saved@LTRfootnotetext{#1}%
17074   \csname FN@mf@prepare\endcsname
17075 }
17076 \renewcommand{\@RTLfootnotetext}[1]{%
17077   \scr@saved@RTLfootnotetext{#1}%
17078   \csname FN@mf@prepare\endcsname
17079 }
17080 \renewcommand\deffootnote[4][]{%
17081   \long\def\@makefn#1{%
17082     \setlength{\@tempdimc}{#3}%

```





```

17083 \def\@tempa{#1}\ifx\@tempa\@empty
17084 \setpar{\@par
17085 \@tempdima = \hsize
17086 \addtolength{\@tempdima}{-#2}%
17087 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17088 \else
17089 \addtolength{\@tempdimc}{#2}%
17090 \addtolength{\@tempdimc}{-#1}%
17091 \setpar{\@par
17092 \@tempdima = \hsize
17093 \addtolength{\@tempdima}{-#1}%
17094 \@tempdimb = \hsize
17095 \addtolength{\@tempdimb}{-#2}%
17096 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #
17097 }%
17098 \fi
17099 \par
17100 \parindent\@tempdimc\noindent
17101 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17102 }%
17103 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17104 }
17105 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17106 \renewcommand*\left@footnoterule{%
17107 \normalsize\ftn@rule@test@values
17108 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17109 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17110 {\usekomafont{footnoterule}{%
17111 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17112 \kern 2.6\p@}
17113 \renewcommand*\right@footnoterule{%
17114 \normalsize\ftn@rule@test@values
17115 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17116 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17117 {\usekomafont{footnoterule}{%
17118 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17119 \kern 2.6\p@}
17120 \renewcommand*\maketitle[1][1]{%
17121 \if@titlepage
17122 \begin{titlepage}
17123 \setcounter{page}{%
17124 #1%
17125 }%
17126 \let\footnotesize\small
17127 \let\right@footnoterule\relax
17128 \let\left@footnoterule\relax
17129 \let\textwidth@footnoterule\relax
17130 \let\footnote\thanks
17131 \let\LTRfootnote\LTRthanks
17132 \let\RTLfootnote\RTLthanks

```



```

17133 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17134 \let\@oldmakefnmark\@makefnmark
17135 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
17136 \ifx\@extratitle\@empty \else
17137   \noindent\@extratitle\next@tpage\cleardoubleemptypage
17138   \thispagestyle{empty}%
17139 \fi
17140 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17141 \ifx\@titlehead\@empty \else
17142   \begin{minipage}[t]{\textwidth}%
17143     \@titlehead
17144   \end{minipage}\par
17145 \fi
17146 \null\vfill
17147 \begin{center}
17148   \ifx\@subject\@empty \else
17149     {\subject@font \@subject \par}%
17150     \vskip 3em
17151   \fi
17152   {\titlefont\huge \@title\par}%
17153   \vskip 1em
17154   {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17155   \vskip 2em
17156   {\Large \lineskip 0.75em
17157     \begin{tabular}[t]{c}
17158       \@author
17159     \end{tabular}\par
17160   }%
17161   \vskip 1.5em
17162   {\Large \@date \par}%
17163   \vskip \z@ \@plus3fill
17164   {\Large \@publishers \par}%
17165   \vskip 3em
17166 \end{center}\par
17167 \@thanks
17168 \vfill\null
17169 \if@twoside\next@tpage
17170   \begin{minipage}[t]{\textwidth}
17171     \@uppertitleback
17172   \end{minipage}\par
17173   \vfill
17174   \begin{minipage}[b]{\textwidth}
17175     \@lowertitleback
17176   \end{minipage}
17177 \fi
17178 \ifx\@dedication\@empty \else
17179   \next@tpage\null\vfill
17180   {\centering \Large \@dedication \par}%
17181   \vskip \z@ \@plus3fill
17182   \if@twoside \next@tpage\cleardoubleemptypage \fi

```



```

17183     \fi
17184     \end{titlepage}
17185 \else
17186     \par
17187     \@tempcnta=
17188     #1%
17189     \relax\ifnum\@tempcnta=1\else
17190         \ClassWarning{\KOMAClassName}{%
17191             Optional argument of \string\maketitle\space ignored
17192             at\MessageBreak
17193             notitlepage-mode%
17194         }%
17195     \fi
17196     \begingroup
17197         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17198         \let\@oldmakefnmark\@makefnmark
17199         \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
17200         \if@twocolumn
17201             \ifnum \col@number=\@one
17202                 \maketitle
17203             \else
17204                 \twocolumn[\maketitle]%
17205             \fi
17206         \else
17207             \newpage
17208             \global\@topnum\z@
17209             \maketitle
17210         \fi
17211         \thispagestyle{\titlepagestyle}\@thanks
17212     \endgroup
17213 \fi
17214 \setcounter{footnote}{0}%
17215 \let\thanks\relax
17216 \let\LTRthanks\relax
17217 \let\RTLthanks\relax
17218 \let\maketitle\relax
17219 \let\@maketitle\relax
17220 \global\let\@thanks\@empty
17221 \global\let\@author\@empty
17222 \global\let\@date\@empty
17223 \global\let\@title\@empty
17224 \global\let\@subtitle\@empty
17225 \global\let\@extratitle\@empty
17226 \global\let\@titlehead\@empty
17227 \global\let\@subject\@empty
17228 \global\let\@publishers\@empty
17229 \global\let\@uppertitleback\@empty
17230 \global\let\@lowertitleback\@empty
17231 \global\let\@dedication\@empty
17232 \global\let\author\relax

```



```

17233 \global\let\title\relax
17234 \global\let\extratitle\relax
17235 \global\let\titlehead\relax
17236 \global\let\subject\relax
17237 \global\let\publishers\relax
17238 \global\let\uppertitleback\relax
17239 \global\let\lowertitleback\relax
17240 \global\let\dedication\relax
17241 \global\let\date\relax
17242 \global\let\and\relax
17243 }%
17244 \renewcommand*{\@maketitle}{%
17245 \clearpage
17246 \let\footnote\thanks
17247 \let\LTRfootnote\LTRthanks
17248 \let\RTLfootnote\RTLthanks
17249 \ifx\@extratitle\@empty \else
17250 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17251 \fi
17252 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17253 \ifx\@titlehead\@empty \else
17254 \begin{minipage}[t]{\textwidth}
17255 \@titlehead
17256 \end{minipage}\par
17257 \fi
17258 \null
17259 \vskip 2em%
17260 \begin{center}%
17261 \ifx\@subject\@empty \else
17262 {\subject@font \@subject \par}
17263 \vskip 1.5em
17264 \fi
17265 {\titlefont\huge \@title \par}%
17266 \vskip .5em
17267 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17268 \vskip 1em
17269 {\Large
17270 \lineskip .5em%
17271 \begin{tabular}[t]{c}
17272 \@author
17273 \end{tabular}\par
17274 }%
17275 \vskip 1em%
17276 {\Large \@date \par}%
17277 \vskip \z@ \@plus 1em
17278 {\Large \@publishers \par}
17279 \ifx\@dedication\@empty \else
17280 \vskip 2em
17281 {\Large \@dedication \par}
17282 \fi

```



```

17283 \end{center}%
17284 \par
17285 \vskip 2em
17286 }%
17287 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17288 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17289 \renewcommand*\thesection{%
17290 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17291 \if@mainmatter\thechapter\@SepMark\fi
17292 \else
17293 \thechapter\@SepMark%
17294 \fi
17295 \@arabic\c@section
17296 }
17297 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
17298 \renewcommand*{\thesubsubsection}{%
17299 \thesubsection\@SepMark\@arabic\c@subsubsection
17300 }
17301 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17302 \renewcommand*{\thesubparagraph}{%
17303 \theparagraph\@SepMark\@arabic\c@subparagraph
17304 }
17305 \renewcommand*\thefigure{%
17306 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17307 \if@mainmatter\thechapter\@SepMark\fi
17308 \else
17309 \thechapter\@SepMark%
17310 \fi
17311 \@arabic\c@figure
17312 }
17313 \renewcommand*\thetable{%
17314 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17315 \if@mainmatter\thechapter\@SepMark\fi
17316 \else
17317 \thechapter\@SepMark%
17318 \fi
17319 \@arabic\c@table
17320 }
17321 \renewcommand*\theequation{%
17322 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
17323 \if@mainmatter\thechapter\@SepMark\fi
17324 \else
17325 \thechapter\@SepMark%
17326 \fi
17327 \@arabic\c@equation
17328 }
17329 \renewenvironment{thebibliography}[1]{%
17330 \if@bib@break@
17331 \bib@beginhook
17332 \else

```



```

17333 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
17334 \setchapterpreamble{\bibpreamble}%
17335 \fi\fi
17336 \bib@heading
17337 \bib@beginhook
17338 \bib@before@hook
17339 \fi
17340 \renewcommand{\BreakBibliography}[1]{%
17341 \@bib@break
17342 \end{thebibliography}%
17343 \begingroup #1\endgroup
17344 \begin{thebibliography}{#1}
17345 }%
17346 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
17347 \bidi@thebibliography@font@hook%
17348 \list{%
17349 \@biblabel{\@arabic\c@enumiv}%
17350 }{%
17351 \settowidth\labelwidth{\@biblabel{#1}}%
17352 \leftmargin\labelwidth
17353 \advance\leftmargin\labelsep
17354 \@openbib@code
17355 \if@bib@break@
17356 \edef\@tempa{%
17357 \noexpand\usecounter{enumiv}%
17358 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
17359 }\@tempa
17360 \no@bib@break
17361 \else
17362 \usecounter{enumiv}%
17363 \fi
17364 \let\p@enumiv\@empty
17365 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
17366 }%
17367 \sloppy\clubpenalty4000 \widowpenalty4000
17368 \sfcode`\.=\@m
17369 }{%
17370 \if@bib@break@
17371 \def\@noitemerr{%
17372 \@latex@warning{%
17373 \string\BreakBibliography\space at begin of `thebibliography'
17374 environment\MessageBreak
17375 or following \string\BreakBibliography}%
17376 }%
17377 \else
17378 \def\@noitemerr{%
17379 \@latex@warning{%
17380 Empty `thebibliography' environment or
17381 \string\BreakBibliography\MessageBreak
17382 before end of `thebibliography' environment}%

```



```

17383 }%
17384 \fi
17385 \endlist
17386 \if@bib@break@
17387 \else
17388 \bib@after@hook
17389 \let\bib@before@hook\@empty
17390 \let\bib@after@hook\@empty
17391 \fi
17392 \bib@endhook
17393 }
17394 \renewcommand*\left@footnoterule{%
17395 \kern-3\p@
17396 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17397 \hrule\@width.4\columnwidth
17398 \kern 2.6\p@}
17399 \renewcommand*\right@footnoterule{%
17400 \kern-3\p@
17401 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17402 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17403 \kern2.6\p@}
17404 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
17405 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
17406 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
17407 \renewcommand\marginline[1]{%
17408 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
17409 }
17410 \renewcommand{\@makecaption}[3]{%
17411 \cap@margin
17412 \ifonelinecaptions
17413 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
17414 \let\scr@tmp@footnotetext=\@footnotetext
17415 \let\@footnotetext=\@gobble
17416 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
17417 \let\@LTRfootnotetext=\@gobble
17418 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
17419 \let\@RTLfootnotetext=\@gobble
17420 \sbox\@tempboxa{%
17421 {\capfont{\strut\ignorespaces
17422 #1{\caplabelfont{#2\captionformat}}}%
17423 #3\unskip\strut}}%
17424 }%
17425 \let\@footnotetext=\scr@tmp@footnotetext
17426 \let\scr@tmp@footnotetext=\undefined
17427 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
17428 \let\scr@tmp@LTRfootnotetext=\undefined
17429 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
17430 \let\scr@tmp@RTLfootnotetext=\undefined
17431 \setcounter{footnote}{\@tempcntb}%
17432 \setcounter{mpfootnote}{\@tempcnta}%

```



```

17433 \else
17434 \sbox\@tempboxa{\hspace*{2\cap@width}}%
17435 \fi
17436 \beginngroup%
17437 \setlength{\@tempdima}{\cap@width}%
17438 \ifdim \wd\@tempboxa >\@tempdima
17439 \hb@xt@\hsize{%
17440 \setbox\@tempboxa\vbox{\hsize=\cap@width
17441 \ifdofullc@p
17442 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
17443 #1{\caplabelfont{#2\captionformat}}}}}%
17444 {#3\unskip\strut\par}}}%
17445 \else%
17446 \ifdim\cap@indent<\z@
17447 {\capfont{\strut\ignorespaces
17448 #1{\caplabelfont{#2\captionformat\par}}}%
17449 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
17450 \else%
17451 \if@capbreak
17452 {\capfont{\strut\ignorespaces
17453 #1{\caplabelfont{#2\captionformat\par}}}%
17454 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
17455 \else
17456 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
17457 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
17458 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
17459 \fi
17460 \fi
17461 \fi
17462 }%
17463 \setlength{\@tempdima}{\ht\@tempboxa}%
17464 \addtolength{\@tempdima}{\dp\@tempboxa}%
17465 \addtolength{\@tempdima}{-\ht\strutbox}%
17466 \ht\@tempboxa\ht\strutbox
17467 \dp\@tempboxa\@tempdima
17468 \strut\cap@left
17469 \box\@tempboxa
17470 \cap@right\strut
17471 }%
17472 \else
17473 \global \@minipagefalse
17474 \sbox\@tempboxa{%
17475 {\capfont{\scr@smashdp{\strut\ignorespaces
17476 #1{\caplabelfont{#2\captionformat}}}}}%
17477 {#3}}%
17478 }%
17479 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}%
17480 \fi
17481 \endgroup
17482 }

```





```

17483 \renewcommand{\@makecaption}[2]{%
17484   \if@captionabove
17485     \vskip\belowcaptionskip
17486   \else
17487     \vskip\abovecaptionskip
17488   \fi
17489   @@makecaption\@firstofone{#1}{#2}%
17490   \if@captionabove
17491     \vskip\abovecaptionskip
17492   \else
17493     \vskip\belowcaptionskip
17494   \fi
17495 }
17496 \bidi@AfterFile{longtable-xetex-bidi.def}{%
17497   \@ifpackageloaded{caption2}{\@komalongtablefalse
17498     \scr@caption@before@longtable@warning{caption2}%
17499   }{}%
17500   \if@komalongtable
17501     \renewcommand{\LT@makecaption}[3]{%
17502       \noalign{%
17503         \if@captionabove
17504           \vskip\belowcaptionskip
17505         \else
17506           \vskip\abovecaptionskip
17507         \fi
17508       }%
17509       \LT@mcol\LT@cols c{%
17510         \hbox to\z@{\hss\parbox[t]{\linewidth{%
17511           \@makecaption{#1}{#2}{#3}%
17512         \endgraf
17513         \if@captionabove
17514           \vskip\abovecaptionskip
17515         \else
17516           \vskip\belowcaptionskip
17517         \fi
17518         }%
17519         \hss
17520       }%
17521     }%
17522   }%
17523   \renewcommand*{\scr@LT@array}{}%
17524   \let\scr@LT@array=\LT@array
17525   \renewcommand*{\LT@array}{%
17526     \let\scr@caption=\LT@caption
17527     \def\captionabove{\noalign{\global\@captionabovetrue}%
17528       \scr@caption}%
17529     \def\captionbelow{\noalign{\global\@captionabovetrue}%
17530       \scr@caption}%
17531     \if@tablecaptionabove
17532       \let\LT@caption=\captionabove

```



```

17533     \else
17534         \let\LT@caption=\captionbelow
17535     \fi
17536     \scr@LT@array
17537 }%
17538 \ClassInfo{\KOMAClassName}{%
17539     longtable captions redefined%
17540 }%
17541 \fi
17542 }
17543
17544 \CloneTOCEntryStyle{tocline}{part}
17545 \TOCEntryStyleStartInitCode{part}{%
17546     \expandafter\renewcommand%
17547     \csname scr@tso@#1@linefill\endcsname{\hfill}%
17548     \expandafter\renewcommand%
17549     \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
17550     \expandafter\renewcommand%
17551     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17552         \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
17553     \expandafter\renewcommand\expandafter*%
17554     \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p@}%
17555 }
17556
17557 \CloneTOCEntryStyle{tocline}{chapter}
17558 \TOCEntryStyleStartInitCode{chapter}{%
17559     \expandafter\renewcommand%
17560     \csname scr@tso@#1@linefill\endcsname{%
17561         \if@chapterentrywithdots
17562             \TOCLineLeaderFill\relax
17563         \else
17564             \hfill
17565         \fi
17566     }%
17567     \expandafter\renewcommand%
17568     \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
17569     \expandafter\renewcommand%
17570     \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
17571         \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
17572     \expandafter\renewcommand\expandafter*%
17573     \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p@}%
17574 }
17575
17576 \CloneTOCEntryStyle{tocline}{section}
17577 \TOCEntryStyleStartInitCode{section}{%
17578     \expandafter\renewcommand%
17579     \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
17580 }
17581
17582 \CloneTOCEntryStyle{section}{default}

```



```

17583
17584 \DeclareSectionCommand[%
17585   style=part,%
17586   level=\m@ne,%
17587   pagestyle=plain,%
17588   tocstyle=part,%
17589   toplevel=\m@ne,%
17590   tocindent=\z@,%
17591   tocnumwidth=2em%
17592 ]{part}
17593 \DeclareSectionCommand[%
17594   style=chapter,%
17595   level=\z@,%
17596   pagestyle=plain,%
17597   tocstyle=chapter,%
17598   tocindent=\z@,%
17599   tocnumwidth=1.5em%
17600 ]{chapter}
17601 \DeclareSectionCommand[%
17602   style=section,%
17603   level=1,%
17604   indent=\z@,%
17605   beforekip=-3.5ex \@plus -1ex \@minus -.2ex,%
17606   afterskip=2.3ex \@plus .2ex,%
17607   tocstyle=section,%
17608   tocindent=1.5em,%
17609   tocnumwidth=2.3em%
17610 ]{section}
17611 \DeclareSectionCommand[%
17612   style=section,%
17613   level=2,%
17614   indent=\z@,%
17615   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17616   afterskip=1.5ex \@plus .2ex,%
17617   tocstyle=section,%
17618   tocindent=3.8em,%
17619   tocnumwidth=3.2em%
17620 ]{subsection}
17621 \DeclareSectionCommand[%
17622   style=section,%
17623   level=3,%
17624   indent=\z@,%
17625   beforekip=-3.25ex \@plus -1ex \@minus -.2ex,%
17626   afterskip=1.5ex \@plus .2ex,%
17627   tocstyle=section,%
17628   tocindent=7.0em,%
17629   tocnumwidth=4.1em%
17630 ]{subsubsection}
17631 \DeclareSectionCommand[%
17632   style=section,%

```



```

17633 level=4,%
17634 indent=\z@,%
17635 beforekip=3.25ex \@plus1ex \@minus.2ex,%
17636 afterskip=-1em,%
17637 tocstyle=section,%
17638 tocindent=10em,%
17639 tocnumwidth=5em%
17640]{paragraph}
17641\DeclareSectionCommand[%
17642 style=section,%
17643 level=5,%
17644 indent=\scr@parindent,%
17645 beforekip=3.25ex \@plus1ex \@minus.2ex,%
17646 afterskip=-1em,%
17647 tocstyle=section,%
17648 tocindent=12em,%
17649 tocnumwidth=6em%
17650]{subparagraph}
17651
17652

```

## 106 File scrlettr-xetex-bidi.def

```

17653\ProvidesFile{scrlettr-xetex-bidi.def}[2015/11/14 v0.3 bidi adaptations for scrlettr class for
17654\renewcommand\deffootnote[4][]{%
17655 \long\def\@makefnmark##1{%
17656 \edef\@tempa{#1}\ifx\@tempa\@empty
17657 \setpar{\@par
17658 \tempdima = \hsize
17659 \addtolength{\tempdima}{-#2}
17660 \ifRTL\parshape \one Opt \tempdima\else\parshape \one #2 \tempdima\fi}%
17661 \else
17662 \setpar{\@par
17663 \tempdima = \hsize
17664 \addtolength{\tempdima}{-#1}
17665 \tempdimb = \hsize
17666 \addtolength{\tempdimb}{-#2}
17667 \ifRTL\parshape \two Opt \tempdima Opt \tempdimb\else\parshape \two #1 \tempdima #
17668 \fi
17669 \par
17670 \parindent #3\noindent
17671 \hbox to \z@{\hss\@makefnmark}##1}
17672 \def\@makefnmark{\hbox{#4}}
17673 }
17674 \deffootnote[1em]{1.5em}{1em}
17675 {\textsuperscript{\thefootnotemark}}
17676 \def\leftfootnoterule{\kern-1\p@
17677 \hrule width 0.4\columnwidth
17678 \kern .6\p@}
17679 \def\rightfootnoterule{%

```



```

17680 \kern-1\p@
17681 \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
17682 \kern .6\p@}
17683 \def\@datefield{\@reffalse
17684 \ifx\varyourref\@empty \else \@reftrue \fi
17685 \ifx\varyourmail\@empty \else \@reftrue \fi
17686 \ifx\varmyref\@empty \else \@reftrue \fi
17687 \ifx\varcustomer\@empty \else \@reftrue \fi
17688 \ifx\varinvoice\@empty \else \@reftrue \fi
17689 \ifx\varrefitemi\@empty \else \@reftrue \fi
17690 \ifx\varrefitemii\@empty \else \@reftrue \fi
17691 \ifx\varrefitemiii\@empty \else \@reftrue \fi
17692 \vskip -\parskip
17693 \vskip \refvskip
17694 \if@ref
17695 \ifx\varyourref\@empty \else
17696 \settowidth{\sc@temp}{\varyourref}
17697 \setbox0\hbox{\scriptsize \sf \yourrefname}
17698 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17699 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
17700 \fi
17701 \ifx\varyourmail\@empty \else
17702 \settowidth{\sc@temp}{\varyourmail}
17703 \setbox0\hbox{\scriptsize \sf \yourmailname}
17704 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17705 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
17706 \fi
17707 \ifx\varmyref\@empty \else
17708 \settowidth{\sc@temp}{\varmyref}
17709 \setbox0\hbox{\scriptsize \sf \myrefname}
17710 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17711 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
17712 \fi
17713 \ifx\varcustomer\@empty \else
17714 \settowidth{\sc@temp}{\varcustomer}
17715 \setbox0\hbox{\scriptsize \sf \customername}
17716 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17717 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
17718 \fi
17719 \ifx\varinvoice\@empty \else
17720 \settowidth{\sc@temp}{\varinvoice}
17721 \setbox0\hbox{\scriptsize \sf \invoicename}
17722 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17723 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
17724 \fi
17725 \ifx\varrefitemi\@empty \else
17726 \settowidth{\sc@temp}{\varrefitemi}
17727 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
17728 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17729 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill

```



```

17730 \fi
17731 \ifx\varrefitemii\empty \else
17732 \settowidth{\sc@temp}{\varrefitemii}
17733 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
17734 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17735 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
17736 \fi
17737 \ifx\varrefitemiii\empty \else
17738 \settowidth{\sc@temp}{\varrefitemiii}
17739 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
17740 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17741 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
17742 \fi
17743 \ifx\@date\empty \else
17744 \settowidth{\sc@temp}{\@date}
17745 \setbox0\hbox{\scriptsize \sf \datename}
17746 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
17747 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
17748 \fi
17749 \par
17750 \vspace{2.5\baselineskip}
17751 \else
17752 {\ifx\@date\empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
17753 \vspace{1.5\baselineskip}
17754 \fi}
17755 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
17756 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
17757 -\sigindent \hspace{\sigindent}}%
17758 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@sk
17759 \fromsig\strut}\par
17760 \vspace{1.5\baselineskip}}

```

## 107 File scrreprt-xetex-bidi.def

```

17761 \ProvidesFile{scrreprt-xetex-bidi.def}[2017/06/09 v1.1 bidi adaptations for scrreprt class for
17762 \newcommand{\scr@saved@LTRfootnotetext}{}
17763 \newcommand{\scr@saved@RTLfootnotetext}{}
17764 \let\scr@saved@footnotetext\@footnotetext
17765 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
17766 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
17767 \renewcommand{\@footnotetext}[1]{%
17768 \scr@saved@footnotetext{#1}%
17769 \csname FN@mf@prepare\endcsname
17770 }
17771 \renewcommand{\@LTRfootnotetext}[1]{%
17772 \scr@saved@LTRfootnotetext{#1}%
17773 \csname FN@mf@prepare\endcsname
17774 }
17775 \renewcommand{\@RTLfootnotetext}[1]{%
17776 \scr@saved@RTLfootnotetext{#1}%

```



```

17777 \csname FN@mf@prepare\endcsname
17778 }
17779 \renewcommand\deffootnote[4][]{%
17780 \long\def\@makefnmark##1{%
17781 \setlength{\@tempdimc}{#3}%
17782 \def\@tempa{#1}\ifx\@tempa\@empty
17783 \setpar{\@par
17784 \@tempdima = \hspace
17785 \addtolength{\@tempdima}{-#2}%
17786 \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
17787 \else
17788 \addtolength{\@tempdimc}{#2}%
17789 \addtolength{\@tempdimc}{-#1}%
17790 \setpar{\@par
17791 \@tempdima = \hspace
17792 \addtolength{\@tempdima}{-#1}%
17793 \@tempdimb = \hspace
17794 \addtolength{\@tempdimb}{-#2}%
17795 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb}%
17796 }%
17797 \fi
17798 \par
17799 \parindent\@tempdimc\noindent
17800 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
17801 }%
17802 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
17803 }
17804 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
17805 \renewcommand*\left@footnoterule{%
17806 \normalsize\ftn@rule@test@values
17807 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17808 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17809 {\usekomafont{footnoterule}{%
17810 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
17811 \kern 2.6\p@}
17812 \renewcommand*\right@footnoterule{%
17813 \normalsize\ftn@rule@test@values
17814 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
17815 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
17816 {\usekomafont{footnoterule}{%
17817 \hbox to \columnwidth{\hskip \dimexpr\columnwidth-\ftn@rule@width\relax \leavevmode\le
17818 \kern 2.6\p@}
17819 \renewcommand*\maketitle[1][1]{%
17820 \if@titlepage
17821 \begin{titlepage}
17822 \setcounter{page}{%
17823 #1%
17824 }%
17825 \let\footnotesize\small
17826 \let\right@footnoterule\relax

```



```

17827 \let\left@footnoterule\relax
17828 \let\textwidth@footnoterule\relax
17829 \let\footnote\thanks
17830 \let\LTRfootnote\LTRthanks
17831 \let\RTLfootnote\RTLthanks
17832 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17833 \let\@oldmakefnmark\@makefnmark
17834 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
17835 \ifx\@extratitle\@empty \else
17836 \noindent\@extratitle\next@tpage\cleardoubleemptypage
17837 \thispagestyle{empty}%
17838 \fi
17839 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17840 \ifx\@titlehead\@empty \else
17841 \begin{minipage}[t]{\textwidth}%
17842 \@titlehead
17843 \end{minipage}\par
17844 \fi
17845 \null\vfill
17846 \begin{center}
17847 \ifx\@subject\@empty \else
17848 {\subject@font \@subject \par}%
17849 \vskip 3em
17850 \fi
17851 {\titlefont\huge \@title\par}%
17852 \vskip 1em
17853 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17854 \vskip 2em
17855 {\Large \lineskip 0.75em
17856 \begin{tabular}[t]{c}
17857 \@author
17858 \end{tabular}\par
17859 }%
17860 \vskip 1.5em
17861 {\Large \@date \par}%
17862 \vskip \z@ \@plus3fill
17863 {\Large \@publishers \par}%
17864 \vskip 3em
17865 \end{center}\par
17866 \@thanks
17867 \vfill\null
17868 \if@twoside\next@tpage
17869 \begin{minipage}[t]{\textwidth}
17870 \@uppertitleback
17871 \end{minipage}\par
17872 \vfill
17873 \begin{minipage}[b]{\textwidth}
17874 \@lowertitleback
17875 \end{minipage}
17876 \fi

```





```

17877 \ifx\@dedication\@empty \else
17878 \next@tpage\null\vfill
17879 {\centering \Large \@dedication \par}%
17880 \vskip \z@ \@plus3fill
17881 \if@twoside \next@tpage\cleardoubleemptypage \fi
17882 \fi
17883 \end{titlepage}
17884 \else
17885 \par
17886 \@tempcnta=
17887 #1%
17888 \relax\ifnum\@tempcnta=1\else
17889 \ClassWarning{KOMAClassName}{%
17890 Optional argument of \string\maketitle\space ignored
17891 at\MessageBreak
17892 notitlepage-mode%
17893 }%
17894 \fi
17895 \begingroup
17896 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
17897 \let\@oldmakefnmark\@makefnmark
17898 \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
17899 \if@twocolumn
17900 \ifnum \col@number=\@one
17901 \maketitle
17902 \else
17903 \twocolumn[\maketitle]%
17904 \fi
17905 \else
17906 \newpage
17907 \global\@topnum\z@
17908 \maketitle
17909 \fi
17910 \thispagestyle{\titlepagestyle}\@thanks
17911 \endgroup
17912 \fi
17913 \setcounter{footnote}{0}%
17914 \let\thanks\relax
17915 \let\LTRthanks\relax
17916 \let\RTLthanks\relax
17917 \let\maketitle\relax
17918 \let\@maketitle\relax
17919 \global\let\@thanks\@empty
17920 \global\let\@author\@empty
17921 \global\let\@date\@empty
17922 \global\let\@title\@empty
17923 \global\let\@subtitle\@empty
17924 \global\let\@extratitle\@empty
17925 \global\let\@titlehead\@empty
17926 \global\let\@subject\@empty

```



```

17927 \global\let\@publishers\@empty
17928 \global\let\@uppertitleback\@empty
17929 \global\let\@lowertitleback\@empty
17930 \global\let\@dedication\@empty
17931 \global\let\author\relax
17932 \global\let\title\relax
17933 \global\let\extratitle\relax
17934 \global\let\titlehead\relax
17935 \global\let\subject\relax
17936 \global\let\publishers\relax
17937 \global\let\uppertitleback\relax
17938 \global\let\lowertitleback\relax
17939 \global\let\dedication\relax
17940 \global\let\date\relax
17941 \global\let\and\relax
17942 }%
17943 \renewcommand*{\@maketitle}{%
17944 \clearpage
17945 \let\footnote\thanks
17946 \let\LTRfootnote\LTRthanks
17947 \let\RTLfootnote\RTLthanks
17948 \ifx\@extratitle\@empty \else
17949 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
17950 \fi
17951 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
17952 \ifx\@titlehead\@empty \else
17953 \begin{minipage}[t]{\textwidth}
17954 \@titlehead
17955 \end{minipage}\par
17956 \fi
17957 \null
17958 \vskip 2em%
17959 \begin{center}%
17960 \ifx\@subject\@empty \else
17961 {\subject@font \@subject \par}
17962 \vskip 1.5em
17963 \fi
17964 {\titlefont\huge \@title \par}%
17965 \vskip .5em
17966 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
17967 \vskip 1em
17968 {\Large
17969 \lineskip .5em%
17970 \begin{tabular}[t]{c}
17971 \@author
17972 \end{tabular}\par
17973 }%
17974 \vskip 1em%
17975 {\Large \@date \par}%
17976 \vskip \z@ \@plus 1em

```



```

17977 {\Large \@publishers \par}
17978 \ifx\@dedication\@empty \else
17979 \vskip 2em
17980 {\Large \@dedication \par}
17981 \fi
17982 \end{center}%
17983 \par
17984 \vskip 2em
17985 }%
17986 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
17987 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
17988 \renewcommand*\thesection{%
17989 \thechapter\@SepMark%
17990 \@arabic\c@section
17991 }
17992 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
17993 \renewcommand*\thesubsubsection{%
17994 \thesubsection\@SepMark\@arabic\c@subsubsection
17995 }
17996 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
17997 \renewcommand*\thesubparagraph{%
17998 \theparagraph\@SepMark\@arabic\c@subparagraph
17999 }
18000 \renewcommand*\thefigure{%
18001 \thechapter\@SepMark%
18002 \@arabic\c@figure
18003 }
18004 \renewcommand*\thetable{%
18005 \thechapter\@SepMark%
18006 \@arabic\c@table
18007 }
18008 \renewcommand*\theequation{%
18009 \thechapter\@SepMark%
18010 \@arabic\c@equation
18011 }
18012 \renewenvironment{thebibliography}[1]{%
18013 \if@bib@break@
18014 \bib@beginhook
18015 \else
18016 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
18017 \setchapterpreamble{\bibpreamble}%
18018 \fi\fi
18019 \bib@heading
18020 \bib@beginhook
18021 \bib@before@hook
18022 \fi
18023 \renewcommand{\BreakBibliography}[1]{%
18024 \@bib@break
18025 \end{thebibliography}%
18026 \beginingroup ##1\endgroup

```



```

18027 \begin{thebibliography}{#1}
18028 }%
18029 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
18030 \bidi@thebibliography@font@hook%
18031 \list{%
18032 \@biblabel{\@arabic{c@enumiv}}%
18033 }{%
18034 \settowidth\labelwidth{\@biblabel{#1}}%
18035 \leftmargin\labelwidth
18036 \advance\leftmargin\labelsep
18037 \@openbib@code
18038 \if@bib@break@
18039 \edef\@tempa{%
18040 \noexpand\usecounter{enumiv}}%
18041 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
18042 }\@tempa
18043 \no@bib@break
18044 \else
18045 \usecounter{enumiv}%
18046 \fi
18047 \let\p@enumiv\@empty
18048 \renewcommand*\theenumiv{\@arabic{c@enumiv}}%
18049 }%
18050 \sloppy\clubpenalty4000 \widowpenalty4000
18051 \sfcode`\.=\@m
18052 }{%
18053 \if@bib@break@
18054 \def\@noitemerr{%
18055 \@latex@warning{%
18056 \string\BreakBibliography\space at begin of `thebibliography'
18057 environment\MessageBreak
18058 or following \string\BreakBibliography}%
18059 }%
18060 \else
18061 \def\@noitemerr{%
18062 \@latex@warning{%
18063 Empty `thebibliography' environment or
18064 \string\BreakBibliography\MessageBreak
18065 before end of `thebibliography' environment}%
18066 }%
18067 \fi
18068 \endlist
18069 \if@bib@break@
18070 \else
18071 \bib@after@hook
18072 \let\bib@before@hook\@empty
18073 \let\bib@after@hook\@empty
18074 \fi
18075 \bib@endhook
18076 }

```



```

18077 \renewcommand*\left@footnoterule{%
18078   \kern-3\p@
18079   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18080   \hrule\@width.4\columnwidth
18081   \kern 2.6\p@}
18082 \renewcommand*\right@footnoterule{%
18083   \kern-3\p@
18084   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
18085   \hbox to \columnwidth{\hskip .6\columnwidth \hrulefill }
18086   \kern2.6\p@}
18087 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
18088 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
18089 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
18090 \renewcommand\marginline[1]{%
18091   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
18092 }
18093 \renewcommand{\@makecaption}[3]{%
18094   \cap@margin
18095   \ifonelinecaptions
18096     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
18097     \let\scr@tmp@footnotetext=\@footnotetext
18098     \let\@footnotetext=\@gobble
18099     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
18100     \let\@LTRfootnotetext=\@gobble
18101     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
18102     \let\@RTLfootnotetext=\@gobble
18103     \sbox\@tempboxa{%
18104       {\capfont{\strut\ignorespaces
18105         #1{\caplabelfont{#2\captionformat}}}%
18106         #3\unskip\strut}}%
18107     }%
18108     \let\@footnotetext=\scr@tmp@footnotetext
18109     \let\scr@tmp@footnotetext=\undefined
18110     \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
18111     \let\scr@tmp@LTRfootnotetext=\undefined
18112     \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
18113     \let\scr@tmp@RTLfootnotetext=\undefined
18114     \setcounter{footnote}{\@tempcntb}%
18115     \setcounter{mpfootnote}{\@tempcnta}%
18116   \else
18117     \sbox\@tempboxa{\hspace*{2\cap@width}}%
18118   \fi
18119   \begingroup%
18120     \setlength{\@tempdima}{\cap@width}%
18121     \ifdim \wd\@tempboxa >\@tempdima
18122       \hb@xt@\hsize{%
18123         \setbox\@tempboxa\vbox{\hsize=\cap@width
18124           \ifdofullc@p
18125             {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
18126               #1{\caplabelfont{#2\captionformat}}}}}%

```



```

18127         {#3\unskip\strut\par}}}%
18128     \else%
18129         \ifdim\cap@indent<\z@
18130             {\capfont{\strut\ignorespaces
18131                 #1{\caplabelfont{#2\captionformat\par}}}%
18132                 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}}%
18133     \else%
18134         \if@capbreak
18135             {\capfont{\strut\ignorespaces
18136                 #1{\caplabelfont{#2\captionformat\par}}}%
18137                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
18138     \else
18139         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
18140             {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
18141                 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
18142     \fi
18143 \fi
18144 \fi
18145 }%
18146 \setlength{\@tempdima}{\ht\@tempboxa}%
18147 \addtolength{\@tempdima}{\dp\@tempboxa}%
18148 \addtolength{\@tempdima}{-\ht\strutbox}%
18149 \ht\@tempboxa\ht\strutbox
18150 \dp\@tempboxa\@tempdima
18151 \strut\cap@left
18152 \box\@tempboxa
18153 \cap@right\strut
18154 }%
18155 \else
18156     \global \@minipagefalse
18157     \sbox\@tempboxa{%
18158         {\capfont{\scr@smashdp{\strut\ignorespaces
18159             #1{\caplabelfont{#2\captionformat}}}}}%
18160         #3}}%
18161     }%
18162     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right}}}%
18163 \fi
18164 \endgroup
18165 }
18166 \renewcommand{\@makecaption}[2]{%
18167     \if@captionabove
18168         \vskip\belowcaptionskip
18169     \else
18170         \vskip\abovecaptionskip
18171     \fi
18172     @@makecaption\@firstofone{#1}{#2}%
18173     \if@captionabove
18174         \vskip\abovecaptionskip
18175     \else
18176         \vskip\belowcaptionskip

```



```

18177 \fi
18178 }
18179 \bidi@AfterFile{longtable-xetex-bidi.def}{%
18180 \ifpackageloaded{caption2}{\@komalongtablefalse
18181 \scr@caption@before@longtable@warning{caption2}%
18182 }{}%
18183 \if@komalongtable
18184 \renewcommand{\LT@makecaption}[3]{%
18185 \noalign{%
18186 \if@captionabove
18187 \vskip\belowcaptionskip
18188 \else
18189 \vskip\abovecaptionskip
18190 \fi
18191 }%
18192 \LT@mcol\LT@cols c{%
18193 \hbox to\z@{\hss\parbox[t]{\linewidth{%
18194 \@makecaption{#1}{#2}{#3}%
18195 \endgraf
18196 \if@captionabove
18197 \vskip\abovecaptionskip
18198 \else
18199 \vskip\belowcaptionskip
18200 \fi
18201 }%
18202 \hss
18203 }%
18204 }%
18205 }%
18206 \renewcommand*{\scr@LT@array}{}%
18207 \let\scr@LT@array=\LT@array
18208 \renewcommand*{\LT@array}{%
18209 \let\scr@caption=\LT@caption
18210 \def\captionabove{\noalign{\global\@captionabovetrue}%
18211 \scr@caption}%
18212 \def\captionbelow{\noalign{\global\@captionabovetrue}%
18213 \scr@caption}%
18214 \if@tablecaptionabove
18215 \let\LT@caption=\captionabove
18216 \else
18217 \let\LT@caption=\captionbelow
18218 \fi
18219 \scr@LT@array
18220 }%
18221 \ClassInfo{\KOMAClassName}{%
18222 longtable captions redefined%
18223 }%
18224 \fi
18225 }
18226

```



```

18227 \CloneTOCEntryStyle{tocline}{part}
18228 \TOCEntryStyleStartInitCode{part}{%
18229   \expandafter\renewcommand%
18230   \csname scr@tso@#1@linefill\endcsname{\hfill}%
18231   \expandafter\renewcommand%
18232   \csname scr@tso@#1@entryformat\endcsname[1]{\usekomafont{partentry}{##1}}%
18233   \expandafter\renewcommand%
18234   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18235     \usekomafont{partentry}{\usekomafont{partentrypagenumber}{##1}}}%
18236   \expandafter\renewcommand\expandafter*%
18237   \csname scr@tso@#1@beforeskip\endcsname{2.25em \@plus\p}%
18238 }
18239
18240 \CloneTOCEntryStyle{tocline}{chapter}
18241 \TOCEntryStyleStartInitCode{chapter}{%
18242   \expandafter\renewcommand%
18243   \csname scr@tso@#1@linefill\endcsname{%
18244     \if@chapterentrywithdots
18245       \TOCLineLeaderFill\relax
18246     \else
18247       \hfill
18248     \fi
18249   }%
18250   \expandafter\renewcommand%
18251   \csname scr@tso@#1@entryformat\endcsname{\usekomafont{chapterentry}}%
18252   \expandafter\renewcommand%
18253   \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
18254     \usekomafont{chapterentry}{\usekomafont{chapterentrypagenumber}{##1}}}%
18255   \expandafter\renewcommand\expandafter*%
18256   \csname scr@tso@#1@beforeskip\endcsname{1.0em \@plus\p}%
18257 }
18258
18259 \CloneTOCEntryStyle{tocline}{section}
18260 \TOCEntryStyleStartInitCode{section}{%
18261   \expandafter\renewcommand%
18262   \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
18263 }
18264
18265 \CloneTOCEntryStyle{section}{default}
18266
18267 \DeclareSectionCommand[%
18268   style=part,%
18269   level=\m@ne,%
18270   pagestyle=plain,%
18271   tocstyle=part,%
18272   toplevel=\m@ne,%
18273   tocindent=\z@,%
18274   tocnumwidth=2em%
18275 ]{part}
18276 \DeclareSectionCommand[%

```





```

18277 style=chapter,%
18278 level=\z@,%
18279 pagestyle=plain,%
18280 tocstyle=chapter,%
18281 tocindent=\z@,%
18282 tocnumwidth=1.5em%
18283]{chapter}
18284\DeclareSectionCommand[%
18285 style=section,%
18286 level=1,%
18287 indent=\z@,%
18288 beforeskip=-3.5ex \@plus -1ex \@minus -.2ex,%
18289 afterskip=2.3ex \@plus .2ex,%
18290 tocstyle=section,%
18291 tocindent=1.5em,%
18292 tocnumwidth=2.3em%
18293]{section}
18294\DeclareSectionCommand[%
18295 style=section,%
18296 level=2,%
18297 indent=\z@,%
18298 beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
18299 afterskip=1.5ex \@plus .2ex,%
18300 tocstyle=section,%
18301 tocindent=3.8em,%
18302 tocnumwidth=3.2em%
18303]{subsection}
18304\DeclareSectionCommand[%
18305 style=section,%
18306 level=3,%
18307 indent=\z@,%
18308 beforeskip=-3.25ex \@plus -1ex \@minus -.2ex,%
18309 afterskip=1.5ex \@plus .2ex,%
18310 tocstyle=section,%
18311 tocindent=7.0em,%
18312 tocnumwidth=4.1em%
18313]{subsubsection}
18314\DeclareSectionCommand[%
18315 style=section,%
18316 level=4,%
18317 indent=\z@,%
18318 beforeskip=3.25ex \@plus 1ex \@minus .2ex,%
18319 afterskip=-1em,%
18320 tocstyle=section,%
18321 tocindent=10em,%
18322 tocnumwidth=5em%
18323]{paragraph}
18324\DeclareSectionCommand[%
18325 style=section,%
18326 level=5,%

```



```

18327 indent=\scr@parindent,%
18328 beforeskip=3.25ex \@plus1ex \@minus .2ex,%
18329 afterskip=-1em,%
18330 tocstyle=section,%
18331 tocindent=12em,%
18332 tocnumwidth=6em%
18333 ]{subparagraph}
18334
18335

```

## 108 File sidecap-xetex-bidi.def

```

18336 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for XeTeX]
18337 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
18338   \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} \if@RTL%
18339 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} \if@RTL%
18340 \renewcommand*{\SC@justify@caption}{\if@RTL%
18341 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
18342 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

## 109 File soul-xetex-bidi.def

```

18343 \ProvidesFile{soul-xetex-bidi.def}[2015/10/16 v0.1 bidi adaptations for soul package for XeTeX]
18344 \long\def\SOUL@start#1{%
18345   \let\bidir@RTL@everypar\@empty
18346   \let\<\SOUL@lowerthan
18347   \let\>\empty
18348   \def\soulomit{\noexpand\soulomit}%
18349   \gdef\SOUL@eventuallyexhyphen##1{%
18350     \let\SOUL@soeventuallyskip\relax
18351     \SOUL@spaceskip=\fontdimen\tw@\font\@plus\fontdimen\thr@\font
18352       \@minus\fontdimen4\font
18353     \SOUL@ignorespacesfalse
18354     \leavevmode
18355     \SOUL@preamble
18356     \SOUL@lasttoken={}
18357     \SOUL@word={}
18358     \SOUL@minus\z@
18359     \SOUL@comma\z@
18360     \SOUL@apo\z@
18361     \SOUL@grave\z@
18362     \SOUL@do{#1}%
18363     \SOUL@postamble
18364   }}
18365 \def\SOUL@underline#1{%
18366   \setbox\z@\hbox{#1}%
18367   \dimen@=\wd\z@
18368   \dimen@i=\SOUL@uloverlap
18369   \advance\dimen@2\dimen@i
18370   \if@RTL

```



```

18371 \unhcopy\z@
18372 \llap{%
18373     \null
18374     \kern-\dimen@i
18375     \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18376 }%
18377 \else
18378 \rlap{%
18379     \null
18380     \kern-\dimen@i
18381     \SOUL@ulcolor{\SOUL@ulleaders\hskip\dimen@}%
18382 }%
18383 \unhcopy\z@
18384 \fi
18385 }}
18386 \def\bidi@SOUL@ulleaders{%
18387     \leaders\hb@xt@0.1pt{\hss\SOUL@ulcolor{\vrule\@depth\SOUL@uldp\@height\SOUL@ulht}\hss}\re
18388 }
18389 \def\SOUL@uleveryspace#1{%
18390     \if@RTL
18391     #1%
18392     \bidi@SOUL@ulleaders
18393     \hskip\spaceskip
18394     \else
18395     \SOUL@ulcolor{%
18396         #1%
18397         \SOUL@ulleaders
18398         \hskip\spaceskip
18399     }%
18400     \fi
18401     \null
18402 }

```

## 110 File stabular-xetex-bidi.def

```

18403 \ProvidesFile{stabular-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for stabular package ]
18404 \def\@stabular{%
18405     \leavevmode \bgroup \if@RTLtab\beginR \fi
18406     \let\@acol\@tabacol
18407     \let\@classz\@tabclassz
18408     \let\@classiv\@tabclassiv \let\\\@tabularcr\@stabarray}
18409 \def\endstabular{\crcr\egroup\if@RTLtab\egroup\endR\egroup\fi
18410     \egroup \if@RTLtab\endR\fi\egroup}
18411 \expandafter \let \csname endstabular*\endcsname = \endstabular
18412 \def\@sarray[#1]#2{%
18413     \bgroup
18414     \setbox\@arstrutbox\hbox{%
18415         \vrule \@height\arraystretch\ht\strutbox
18416         \@depth\arraystretch \dp\strutbox
18417         \@width\z@}%

```



```

18418 \@mkpream{#2}%
18419 \edef\@preamble{%
18420   \ialign \noexpand\@halignto
18421     \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
18422 \let\startpbox\@startpbox \let\endpbox\@endpbox
18423 \let\tabularnewline\%
18424 \let\@sharp##%
18425 \set@typeset@protect
18426 \lineskip\z@skip\baselineskip\z@skip
18427 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
18428 \@preamble}

```

## 111 File subfigure-xetex-bidi.def

```

18429 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
18430 \AtBeginDocument{%
18431 \let\p@subfigure=\thefigure
18432 \let\p@subtable=\thetable%
18433 }

```

## 112 File tabs-xetex-bidi.def

```

18434 \ProvidesFile{tabs-xetex-bidi.def}[2015/11/07 v0.3 bidi adaptations for tabs package for XeTeX]
18435 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup}
18436
18437 \expandafter\let\csname endtabular*\endcsname=\endtabular
18438
18439 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
18440 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
18441 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
18442
18443 \def\@array[#1]#2{% remember global variables to allow recursion:
18444 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
18445   \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
18446 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
18447 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
18448 \else \let\@tarlinesep\tablinesep \fi
18449 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
18450 \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
18451 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
18452 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
18453 \def\@rememsize{\protect\@r@m@size}\let\@seesize\@s@size
18454 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
18455 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
18456   \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
18457 \let\protect\noexpand
18458 \edef\@preamble{\ialign \noexpand\@halignto \bgroup
18459 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
18460 \let\startpbox\@startpbox \let\endpbox\@endpbox
18461 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi

```



```

18462 \bgroup \let\par\@empty
18463 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
18464 \advance\extrarulesep.5\arrayrulewidth
18465 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
18466 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if#1t\vtop \else \vbox \fi\bgroup\fi
18467 \@preamble}

```

## 113 File tabularx-xetex-bidi.def

```

18468 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package]
18469 \def\TX@endtabularx{%
18470   \expandafter\expandafter\expandafter
18471     \TX@find@endtabularxa\csname end\TX@\endcsname
18472     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
18473   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
18474   \let\verb\TX@verb
18475   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
18476   \edef\TX@ckpt{\cl@ckpt}%
18477   \let\@elt\relax
18478   \TX@old@table\maxdimen
18479   \TX@col@width\TX@target
18480   \global\TX@cols\@ne
18481   \TX@typeout@
18482     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
18483   \TX@trial{\def\NC@rewriteX{%
18484     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
18485   \loop
18486     \TX@arith
18487     \ifTX@
18488     \TX@trial{}%
18489   \repeat
18490   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
18491     \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
18492     \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
18493     \csname tabular*\expandafter\endcsname\expandafter\TX@target
18494       \the\toks@
18495     \csname endtabular*\endcsname}%
18496   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
18497   \ifnum0=`{\fi}%
18498   \expandafter\expandafter\expandafter
18499     \TX@find@endtabularxbb
18500     \expandafter\end\expandafter{\TX@}%
18501   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
18502 }
18503
18504 \def\TX@trial#1{%
18505   \setbox\@tempboxa\hbox{%
18506     #1\relax
18507     \let\@footnotetext\TX@trial@ftn
18508     \let\@LTRfootnotetext\TX@trial@ftn

```



```

18509 \let\@RTLfootnotetext\TX@trial@ftn
18510 \let\TX@vwarn\@empty
18511 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
18512 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
18513 \def\write{\begingroup
18514   \def\let{\afterassignment\endgroup\toks@}%
18515   \afterassignment\let\count@}%
18516   \hbadness\@M
18517   \hfuzz\maxdimen
18518   \let\hbadness\@tempcnta
18519   \let\hfuzz\@tempdima
18520   \expandafter\tabular\the\toks@
18521   \endtabular}%
18522 \TX@ckpt
18523 \TX@typeout@{\@spaces
18524   \expandafter\TX@align
18525     \the\wd\@tempboxa\space\space\space\space\space\@@
18526   \expandafter\TX@align
18527     \the\TX@col@width\space\space\space\space\space\@@
18528   \@spaces\the\TX@cols}}
18529
18530 \long\def\TX@LTRftntext#1{%
18531   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
18532     [\the\csname c@\@mpfn\endcsname]}}%
18533   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18534 \long\def\TX@xLTRftntext[#1]#2{%
18535   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
18536
18537 \long\def\TX@RTLftntext#1{%
18538   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
18539     [\the\csname c@\@mpfn\endcsname]}}%
18540   \global\TX@ftn\expandafter{\@tempa{#1}}}%
18541 \long\def\TX@xRTLftntext[#1]#2{%
18542   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

## 114 File tabulary-xetex-bidi.def

```

18543 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package]
18544 \def\@testpach{\@chclass
18545   \ifnum \@lastchclass=6 \one \@chnum \one \else
18546   \ifnum \@lastchclass=7 5 \else
18547   \ifnum \@lastchclass=8 \tw@ \else
18548   \ifnum \@lastchclass=9 \thr@@
18549   \else \z@
18550   \ifnum \@lastchclass = 10 \else
18551   \edef\@nextchar{\expandafter\string\@nextchar}%
18552   \@chnum
18553   \if \@nextchar c\z@ \else
18554   \if \@nextchar \if@RTLtab r\else l\fi\one \else
18555   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else

```



```

18556 \if \@nextchar C7 \else
18557 \if \@nextchar L8 \else
18558 \if \@nextchar R9 \else
18559 \if \@nextchar J10 \else
18560 \z@ \@chclass
18561 \if \@nextchar |\@ne \else
18562 \if \@nextchar !6 \else
18563 \if \@nextchar @7 \else
18564 \if \@nextchar <8 \else
18565 \if \@nextchar >9 \else
18566 10
18567 \@chnum
18568 \if \@nextchar m\thr@@\else
18569 \if \@nextchar p4 \else
18570 \if \@nextchar b5 \else
18571 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
18572 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

## 115 File tc-xetex-bidi.def

```

18573 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeT
18574 \def\@cliptoboxdim#1{%
18575 \setbox#1=\hbox{%
18576 \Gin@defaultbp\WIDTH{\wd#1}%
18577 \Gin@defaultbp\DEPTH{\dp#1}%
18578 \@tempdima\ht#1%
18579 \advance\@tempdima\dp#1%
18580 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
18581 \beginL\special{pdf:bcontent }%
18582 \special{%
18583 pdf:literal direct
18584 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
18585 }%
18586 \special{pdf:literal direct W }%
18587 \special{pdf:literal direct n }%
18588 \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
18589 \special{pdf:econtent }\endL%
18590 }%
18591 }

```

## 116 File tcolorbox-xetex-bidi.def

```

18592 \ProvidesFile{tcolorbox-xetex-bidi.def}[2017/08/15 v0.1 bidi adaptations for tcolorbox package
18593 \let\endtcbl@lrbox=\endminipage
18594 \let\endtcbl@savebox=\endtcbl@lrbox
18595
18596 \bidi@patchcmd{\tcb@vbox}{%
18597 \let\@footnotetext\@mpfootnotetext%
18598 }{%
18599 \let\@footnotetext\@mpfootnotetext%

```



```

18600 \let\@LTRfootnotetext\@mpLTRfootnotetext%
18601 \let\@RTLfootnotetext\@mpRTLfootnotetext%
18602 }{}{}
18603
18604 \bidi@patchcmd{\endtcbox}{%
18605 \footnoterule%
18606 }{%
18607 \bidi@mpfootnoterule%
18608 }{}{}

```

## 117 File titlesec-xetex-bidi.def

```

18609 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package]
18610 \renewcommand\filright{%
18611 \gdef\ttl@filleft##1{\hskip##1}%
18612 \gdef\ttl@filright##1{\hfill}%
18613 \let\\\@centercr
18614 \advance\rightskip\z@ \@plus 1fil
18615 \parfillskip\z@}
18616 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
18617 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
18618 \setlength\leftskip{#6}%
18619 \setlength\rightskip{#7}%
18620 \interlinepenalty\@M
18621 \ttl@changecentercr
18622 \ttl@beginlongest
18623 #1{\ifhmode\ttl@hmode@error\fi
18624 \ttl@glcmds
18625 \parindent\z@
18626 \leavevmode
18627 \begingroup
18628 \ifttl@label
18629 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
18630 \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
18631 \llap{\box\z@}%
18632 \fi
18633 #4{#8}%
18634 \kern\z@\strut\@par
18635 \endgroup
18636 \nobreak\ttl@midlongest#5\@par}%
18637 \ttl@endlongest}

```

## 118 File titletoc-xetex-bidi.def

```

18638 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package]
18639 \renewcommand\filright{%
18640 \gdef\ttl@filleft##1{\hskip##1}%
18641 \gdef\ttl@filright##1{\hfill}%
18642 \let\\\@centercr
18643 \advance\rightskip\z@ \@plus 1fil

```





```

18644 \parfillskip\z@}
18645 \renewcommand\contentspush[1]{%
18646   \sbox\z@{#1}%
18647   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
18648   \aftergroup\ttl@b
18649   \leavevmode\llap{\box\z@}}
18650 \def\ttl@outnoblock#1#2#3{%
18651   \begingroup
18652   \ifnum\ttl@b>\ttl@a
18653     \nobreak
18654   \else\ifnum\ttl@b<\ttl@a
18655     \addpenalty{\@secpenalty}%
18656   \else
18657     \addpenalty{\z@}%
18658   \fi\fi
18659   \ttl@contentsstretch
18660   \nobreak
18661   \ifcase#1\relax\else\interlinepenalty\@M\fi
18662   \parindent\z@
18663   \ifx\@nil#2%
18664     \PackageError{titletoc}{Unimplemented}%
18665     {The optional argument is currently mandatory}%
18666   \else
18667     \if@RTL\setlength\rightskip{#2}\else
18668     \setlength\leftskip{#2}\fi%
18669   \fi
18670   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
18671   \let\contentsmargin\ttl@margin
18672   \def\ttl@makeline##1{##1}%
18673   #3%
18674   \addtolength{\parfillskip}{-\ttl@corr}%
18675   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
18676   \let\ttl@leaders\leaders}
18677 \renewcommand\ttl@margin[2][\z@]{%
18678   \def\ttl@corr{#1}%
18679   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
18680   \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
18681   \def\@pnumwidth{#2}}
18682 \let\ttl@savel@part\l@part
18683 \def\l@part{\ttl@lselect{part}}
18684
18685 \let\ttl@savel@chapter\l@chapter
18686 \def\l@chapter{\ttl@lselect{chapter}}

```

## 119 File tocbibind-xetex-bidi.def

```

18687 \ProvidesFile{tocbibind-xetex-bidi.def}[2017/06/09 v0.4 bidi adaptations for tocbibind package]
18688 \if@dotocbib
18689   \@ifpackageloaded{natbib}{\% natbib not loaded
18690     \renewcommand{\bibsection}{\t@cb@bchapsec}

```



```

18691 \renewenvironment{thebibliography}[1]{%
18692 \bibsection
18693 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}
18694 \renewenvironment{thebibitemlist}[1]{
18695 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
18696 \bidi@thebibliography@font@hook%
18697 \list{\@biblabel{\@arabic{c@enumiv}}}%
18698 {\settowidth\labelwidth{\@biblabel{#1}}%
18699 \leftmargin\labelwidth
18700 \advance\leftmargin\labelsep
18701 \@openbib@code
18702 \usecounter{enumiv}%
18703 \let\p@enumiv\@empty
18704 \renewcommand\theenumiv{\@arabic{c@enumiv}}%
18705 \sloppy
18706 \clubpenalty4000
18707 \@clubpenalty \clubpenalty
18708 \widowpenalty4000%
18709 \sfcode`\.\@m}
18710 {\def\@noitemerr
18711 {\@latex@warning{Empty `thebibliography' environment}}%
18712 \endlist}
18713
18714 \@ifpackagewith{chapterbib}{sectionbib}%
18715 {\renewcommand{\sectionbib}[2]{}}%
18716 {}
18717
18718 \fi
18719 \if@inltxdoc\else
18720 \renewenvironment{theindex}%
18721 {\if@twocolumn
18722 \@restonecolfalse
18723 \else
18724 \@restonecoltrue
18725 \fi
18726 \if@bibchapter
18727 \if@donumindex
18728 \refstepcounter{chapter}
18729 \twocolumn[\vspace*{2\topskip}%
18730 \@makechapterhead{\indexname}}%
18731 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
18732 \chaptermark{\indexname}
18733 \else
18734 \if@dotocind
18735 \twocolumn[\vspace*{2\topskip}%
18736 \@makeschapterhead{\indexname}}%
18737 \prw@mkboth{\indexname}
18738 \addcontentsline{toc}{chapter}{\indexname}
18739 \else
18740 \twocolumn[\vspace*{2\topskip}%

```



```

18741             \@makeschapterhead{\indexname}}%
18742             \prw@mkboth{\indexname}
18743             \fi
18744         \fi
18745     \else
18746         \if@donumindex
18747             \twocolumn[\vspace*{-1.5\topskip}%
18748                 \@nameuse{\@tocextra}{\indexname}}%
18749             \csname \@tocextra mark\endcsname{\indexname}
18750         \else
18751             \if@dotocind
18752                 \twocolumn[\vspace*{-1.5\topskip}%
18753                     \toc@headstar{\@tocextra}{\indexname}}%
18754                 \prw@mkboth{\indexname}
18755                 \addcontentsline{toc}{\@tocextra}{\indexname}
18756             \else
18757                 \twocolumn[\vspace*{-1.5\topskip}%
18758                     \toc@headstar{\@tocextra}{\indexname}}%
18759                 \prw@mkboth{\indexname}
18760             \fi
18761         \fi
18762     \fi
18763     \thispagestyle{plain}\parindent\z@
18764     \parskip\z@ \@plus .3\p@\relax
18765     \let\item\@idxitem}
18766     {\if@restonecol\onecolumn\else\clearpage\fi}
18767 \fi

```

## 120 File tocloft-xetex-bidi.def

```

18768 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for
18769 \let\cftdot\@SepMark
18770 \if@cfthaspart
18771 \renewcommand*{\l@part}[2]{
18772     \@cftdopartfalse
18773     \ifnum \c@tocdepth >-2\relax
18774         \if@cfthaschapter
18775             \@cftdoparttrue
18776         \fi
18777         \ifnum \c@tocdepth >\m@ne
18778             \if@cfthaschapter\else
18779                 \@cftdoparttrue
18780             \fi
18781         \fi
18782     \fi
18783     \if@cftdopart
18784         \if@cfthaschapter
18785             \addpenalty{-\@highpenalty}
18786         \else
18787             \addpenalty\@secpenalty

```



```

18788 \fi
18789 \addvspace{\cftbeforepartskip}
18790 \beginngroup
18791 {\if@RTL\rightright\else\leftskip\fi \cftpartindent\relax
18792 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
18793 \parfillskip -\if@RTL\leftskip\else\rightright\fi
18794 \parindent \cftpartindent\relax\@afterindenttrue
18795 \interlinepenalty\@M
18796 \leavevmode
18797 \@tempdima \cftpartnumwidth\relax
18798 \let\@cftbsnum \cftpartpresnum
18799 \let\@cftasnum \cftpartaftersnum
18800 \let\@cftasnumb \cftpartaftersnumb
18801 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18802 {\cftpartfont \cftpartpresnum #1}
18803 \cftpartfillnum{#2}}
18804 \nobreak
18805 \if@cfthaschapter
18806 \global\@nobreaktrue
18807 \everypar{\global\@nobreakfalse\everypar{}}
18808 \else
18809 \if@compatibility
18810 \global\@nobreaktrue
18811 \everypar{\global\@nobreakfalse\everypar{}}
18812 \fi
18813 \fi
18814 \endgroup
18815 \fi}
18816 \fi
18817 \if@cfthaschapter
18818 \renewcommand*{\l@chapter}[2]{
18819 \ifnum \c@tocdepth >\m@ne
18820 \addpenalty{-\@highpenalty}
18821 \vskip \cftbeforechapskip
18822 {\if@RTL\rightright\else\leftskip\fi \cftchapindent\relax
18823 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
18824 \parfillskip -\if@RTL\leftskip\else\rightright\fi
18825 \parindent \cftchapindent\relax\@afterindenttrue
18826 \interlinepenalty\@M
18827 \leavevmode
18828 \@tempdima \cftchapnumwidth\relax
18829 \let\@cftbsnum \cftchappresnum
18830 \let\@cftasnum \cftchapaftersnum
18831 \let\@cftasnumb \cftchapaftersnumb
18832 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
18833 {\cftchapfont #1}\nobreak
18834 \cftchapfillnum{#2}}
18835 \fi}
18836 \fi
18837 \renewcommand*{\l@section}[2]{%

```



```

18838 \ifnum \c@tocdepth >\z@
18839 \ifcftaschapter
18840 \vskip \cftbeforesecskip
18841 \else
18842 \addpenalty\@secpenalty
18843 \addvspace{\cftbeforesecskip}
18844 \fi
18845 {\if@RTL\righskip\else\leftskip\fi \cftsecindent\relax
18846 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18847 \parfillskip -\if@RTL\leftskip\else\righskip\fi
18848 \parindent \cftsecindent\relax\@afterindenttrue
18849 \interlinepenalty\@M
18850 \leavevmode
18851 \@tempdima \cftsecnumwidth\relax
18852 \let\@cftbsnum \cftsecpresnum
18853 \let\@cftasnum \cftsecaftersnum
18854 \let\@cftasnumb \cftsecaftersnumb
18855 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
18856 {\cftsecfont #1}\nobreak
18857 \cftsecfillnum{#2}}
18858 \fi}
18859 \renewcommand*{\l@section}[2]{%
18860 \ifnum \c@tocdepth >\@ne
18861 \vskip \cftbeforesubsecskip
18862 {\if@RTL\righskip\else\leftskip\fi \cftsubsecindent\relax
18863 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18864 \parfillskip -\if@RTL\leftskip\else\righskip\fi
18865 \parindent \cftsubsecindent\relax\@afterindenttrue
18866 \interlinepenalty\@M
18867 \leavevmode
18868 \@tempdima \cftsubsecnumwidth\relax
18869 \let\@cftbsnum \cftsubsecpresnum
18870 \let\@cftasnum \cftsubsecaftersnum
18871 \let\@cftasnumb \cftsubsecaftersnumb
18872 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip\else\leftskip\fi
18873 {\cftsubsecfont #1}\nobreak
18874 \cftsubsecfillnum{#2}}
18875 \fi}
18876 \renewcommand*{\l@subsubsection}[2]{%
18877 \ifnum \c@tocdepth >\tw@
18878 \vskip \cftbeforesubsubsecskip
18879 {\if@RTL\righskip\else\leftskip\fi \cftsubsubsecindent\relax
18880 \if@RTL\leftskip\else\righskip\fi \@tocrmarg
18881 \parfillskip -\if@RTL\leftskip\else\righskip\fi
18882 \parindent \cftsubsubsecindent\relax\@afterindenttrue
18883 \interlinepenalty\@M
18884 \leavevmode
18885 \@tempdima \cftsubsubsecnumwidth\relax
18886 \let\@cftbsnum \cftsubsubsecpresnum
18887 \let\@cftasnum \cftsubsubsecaftersnum

```



```

18888 \let\@cftasnumb \cftsubsubsecaftersnumb
18889 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18890 {\cftsubsubsecfont #1}\nobreak
18891 \cftsubsubsecfillnum{#2}}
18892 \fi}
18893 \renewcommand*{\l@paragraph}[2]{%
18894 \ifnum \c@tocdepth >3\relax
18895 \vskip \cftbeforeparaskip
18896 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
18897 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18898 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18899 \parindent \cftparaindent\relax\@afterindenttrue
18900 \interlinepenalty\@M
18901 \leavevmode
18902 \@tempdima \cftparanumwidth\relax
18903 \let\@cftbsnum \cftparapresnum
18904 \let\@cftasnum \cftparaaftersnum
18905 \let\@cftasnumb \cftparaaftersnumb
18906 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18907 {\cftparafont #1}\nobreak
18908 \cftparafillnum{#2}}
18909 \fi}
18910 \renewcommand*{\l@subparagraph}[2]{%
18911 \ifnum \c@tocdepth >4\relax
18912 \vskip \cftbeforesubparaskip
18913 {\if@RTL\rightskip\else\leftskip\fi \cftsubparaindent\relax
18914 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18915 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18916 \parindent \cftsubparaindent\relax\@afterindenttrue
18917 \interlinepenalty\@M
18918 \leavevmode
18919 \@tempdima \cftsubparanumwidth\relax
18920 \let\@cftbsnum \cftsubparapresnum
18921 \let\@cftasnum \cftsubparaaftersnum
18922 \let\@cftasnumb \cftsubparaaftersnumb
18923 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18924 {\cftsubparafont #1}\nobreak
18925 \cftsubparafillnum{#2}}
18926 \fi}
18927 \renewcommand*{\l@figure}[2]{%
18928 \ifnum \c@lofdepth >\z@
18929 \vskip \cftbeforefigskip
18930 {\if@RTL\rightskip\else\leftskip\fi \cftfigindent\relax
18931 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18932 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18933 \parindent \cftfigindent\relax\@afterindenttrue
18934 \interlinepenalty\@M
18935 \leavevmode
18936 \@tempdima \cftfignumwidth\relax
18937 \let\@cftbsnum \cftfigpresnum

```



```

18938 \let\@cftasnum \cftfigaftersnum
18939 \let\@cftasnumb \cftfigaftersnumb
18940 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18941 {\cftfigfont #1}\nobreak
18942 \cftfigfillnum{#2}}
18943 \fi
18944 }
18945 \renewcommand*\l@table}[2]{%
18946 \ifnum\c@lotdepth > \z@
18947 \vskip \cftbeforetabskip
18948 {\if@RTL\rightskip\else\leftskip\fi \cfttabindent\relax
18949 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18950 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18951 \parindent \cfttabindent\relax\@afterindenttrue
18952 \interlinepenalty\@M
18953 \leavevmode
18954 \@tempdima \cfttabnumwidth\relax
18955 \let\@cftbsnum \cfttabpresnum
18956 \let\@cftasnum \cfttabaftersnum
18957 \let\@cftasnumb \cfttabaftersnumb
18958 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18959 {\cfttabfont #1}\nobreak
18960 \cfttabfillnum{#2}}
18961 \fi
18962 }
18963 \renewcommand{\@cftl@subfig}{%
18964 \renewcommand*\l@subfigure}[2]{%
18965 \ifnum \c@lofdepth > \toclevel@subfigure
18966 \vskip \cftbeforesubfigskip
18967 {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
18968 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18969 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18970 \parindent \cftsubfigindent\relax\@afterindenttrue
18971 \interlinepenalty\@M
18972 \leavevmode
18973 \@tempdima \cftsubfignumwidth\relax
18974 \let\@cftbsnum \cftsubfigpresnum
18975 \let\@cftasnum \cftsubfigaftersnum
18976 \let\@cftasnumb \cftsubfigaftersnumb
18977 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip\fi
18978 {\cftsubfigfont ##1}\nobreak
18979 \cftsubfigfillnum{##2}}
18980 \fi
18981 }
18982 }
18983 \renewcommand{\@cftl@subtab}{%
18984 \renewcommand*\l@subtable}[2]{%
18985 \ifnum \c@lotdepth > \toclevel@subtable
18986 \vskip \cftbeforesubtabskip
18987 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax

```



```

18988 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
18989 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
18990 \parindent \cftsubtabindent\relax\@afterindenttrue
18991 \interlinepenalty\@M
18992 \leavevmode
18993 \@tempdima \cftsubtabnumwidth\relax
18994 \let\@cftbsnum \cftsubtabpresnum
18995 \let\@cftasnum \cftsubtabaftersnum
18996 \let\@cftasnumb \cftsubtabaftersnumb
18997 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
18998 {\cftsubtabfont ##1}\nobreak
18999 \cftsubtabfillnum{##2}}
19000 \fi
19001 }
19002 }
19003 \renewcommand{\newlistentry}[4][\@empty]{%
19004 \ifundefined{c@#2}{% check & set the counter
19005 \ifx \@empty#1\relax
19006 \newcounter{#2}
19007 \else
19008 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
19009 {#1 has no counter for use as a `within'}
19010 \newcounter{#2}}%
19011 {\newcounter{#2}[#1}%
19012 \expandafter\edef\csname the#2\endcsname{%
19013 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}
19014 \fi
19015 \setcounter{#2}{0}
19016 }
19017 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
19018
19019 \@namedef{l@#2}##1##2{%
19020 \ifnum \@nameuse{c@#3depth} > #4\relax
19021 \vskip \@nameuse{cftbefore#2skip}
19022 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
19023 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
19024 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19025 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
19026 \interlinepenalty\@M
19027 \leavevmode
19028 \@tempdima \@nameuse{cft#2numwidth}\relax
19029 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
19030 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
19031 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
19032 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19033 {\@nameuse{cft#2font}##1}\nobreak
19034 \@nameuse{cft#2fillnum}{##2}}
19035 \fi
19036 } % end of l@#2
19037

```





```

19038 \expandafter\newlength\csname cftbefore#2skip\endcsname
19039 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
19040 \expandafter\newlength\csname cft#2indent\endcsname
19041 \expandafter\newlength\csname cft#2numwidth\endcsname
19042 \ifcase #4\relax % 0
19043 \setlength{\@nameuse{cft#2indent}}{0em}
19044 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
19045 \or % 1
19046 \setlength{\@nameuse{cft#2indent}}{1.5em}
19047 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
19048 \or % 2
19049 \setlength{\@nameuse{cft#2indent}}{3.8em}
19050 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
19051 \or % 3
19052 \setlength{\@nameuse{cft#2indent}}{7.0em}
19053 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
19054 \else % anything else
19055 \setlength{\@nameuse{cft#2indent}}{10.0em}
19056 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
19057 \fi
19058 \@namedef{cft#2font}{\normalfont}
19059 \@namedef{cft#2presnum}{}
19060 \@namedef{cft#2aftersnum}{}
19061 \@namedef{cft#2aftersnumb}{}
19062 \@namedef{cft#2dotsep}{\cftdotsep}
19063 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
19064 \@namedef{cft#2pagefont}{\normalfont}
19065 \@namedef{cft#2afterpnum}{}
19066 \@namedef{toclevel@#2}{#4}
19067 \@namedef{cft#2fillnum}##1{%
19068 {\@nameuse{cft#2leader}}\nobreak
19069 \hb@xt@{\@pnumwidth}{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
19070 } % end \newlistentry
19071 \renewcommand{cftchapterprecistoc}[1]{\addtocontents{toc}{%
19072 {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
19073 \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
19074 \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
19075 \textit{#1}\protect\par}}}

```

## 121 File tocbasic-xetex-bidi.def

```

19076 \ProvidesFile{tocbasic-xetex-bidi.def}[2016/09/14 v0.2 bidi adaptations for tocbasic package]
19077 \bidi@undef\scr@dte@def@l@undottedtocline
19078 \bidi@undef\scr@dte@undottedtocline@init
19079 \DeclareTOCEntryStyle{undottedtocline}{%
19080 \DefineTOCEntryLengthOption{indent}%
19081 {\scr@tso@}{@indent}{entry indent}%
19082 \DefineTOCEntryLengthOption{numwidth}%
19083 {\scr@tso@}{@numwidth}{entry number width}%
19084 \@ifundefined{#1tocdepth}{%

```



```

19085 \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19086 \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19087 \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19088 \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19089 \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19090 \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19091 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19092 \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19093 \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19094 \expandafter\let\csname #1tocdepth\expandafter\endcsname
19095 \csname #1numdepth\endcsname
19096 }%
19097 }%
19098 }%
19099 }%
19100 }%
19101 }%
19102 }%
19103 }%
19104 }%
19105 }{}%
19106 \@ifundefined{scr@tso@#1@indent}{%
19107 \@ifundefined{scr@#1@tocindent}{%
19108 \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19109 \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19110 \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19111 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19112 \scr@ifundefinedorrelax{1@chapter}{%
19113 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19114 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19115 \ifstr{#1}{subsubsection}{%
19116 \@namedef{scr@tso@#1@indent}{3.8em}%
19117 }%
19118 \ifstr{#1}{paragraph}{%
19119 \@namedef{scr@tso@#1@indent}{7em}%
19120 }%
19121 \ifstr{#1}{subparagraph}{%
19122 \@namedef{scr@tso@#1@indent}{10em}%
19123 }%
19124 }%
19125 }%
19126 }%
19127 }%
19128 }%
19129 }{}%
19130 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19131 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19132 \ifstr{#1}{subsubsection}{%
19133 \@namedef{scr@tso@#1@indent}{7.0em}%
19134 }%

```



```

19135         \ifstr{#1}{paragraph}{%
19136             \@namedef{scr@tso@#1@indent}{10em}%
19137         }{%
19138             \ifstr{#1}{subparagraph}{%
19139                 \@namedef{scr@tso@#1@indent}{12em}%
19140             }{%
19141                 }%
19142             }%
19143         }%
19144     }%
19145 }%
19146 }%
19147 }%
19148 }%
19149 }%
19150 }%
19151 }{%
19152     \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19153 }%
19154 }{}%
19155 \@ifundefined{scr@tso@#1@numwidth}{%
19156     \@ifundefined{scr@#1@tocnumwidth}{%
19157         \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19158             \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19159                 \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19160                     \scr@ifundefinedorrelax{chapter}{%
19161                         \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19162                             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19163                                 \ifstr{#1}{subsubsection}{%
19164                                     \@namedef{scr@tso@#1@numwidth}{3.2em}%
19165                                 }{%
19166                                     \ifstr{#1}{paragraph}{%
19167                                         \@namedef{scr@tso@#1@numwidth}{4.1em}%
19168                                     }{%
19169                                         \ifstr{#1}{subparagraph}{%
19170                                             \@namedef{scr@tso@#1@numwidth}{5m}%
19171                                         }{%
19172                                             }%
19173                                         }%
19174                                     }%
19175                                 }%
19176                             }%
19177                         }{%
19178                             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19179                                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19180                                     \ifstr{#1}{subsubsection}{%
19181                                         \@namedef{scr@tso@#1@numwidth}{3.1em}%
19182                                     }{%
19183                                         \ifstr{#1}{paragraph}{%
19184                                             \@namedef{scr@tso@#1@numwidth}{5em}%

```



```

19185         }{%
19186         \ifstr{#1}{subparagraph}{%
19187         \@namedef{scr@tso@#1@numwidth}{6em}%
19188         }{%
19189         }%
19190         }%
19191         }%
19192         }%
19193         }%
19194         }%
19195         }%
19196         }%
19197         }%
19198     }{%
19199     \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19200     }%
19201     }{%
19202 }]{%
19203 \ifnum \c@tocdepth >\numexpr \@nameuse{#1tocdepth}-\@ne\relax
19204 \ifnum \@nameuse{#1tocdepth}<\@ne
19205 \scr@ifundefinedorrelax{chapter}{%
19206 \addpenalty\@secpenalty
19207 \addvspace{1.0em \@plus\p@}%
19208 }{%
19209 \addpenalty{-\@highpenalty}%
19210 \vskip 1.0em \@plus\p@
19211 }%
19212 \else
19213 \addpenalty\@secpenalty
19214 \addvspace{1.0em \@plus\p@}%
19215 \fi
19216 \setlength\@tempdima{\@nameuse{scr@tso@#1@numwidth}}%
19217 \begingroup
19218 \parindent \z@ \bidi@rightskip \@pnumwidth
19219 \parfillskip -\@pnumwidth
19220 \leavevmode
19221 \bfseries
19222 \advance\bidi@leftskip\@tempdima
19223 \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19224 \hskip -\dimexpr \bidi@leftskip-\@nameuse{scr@tso@#1@indent}\relax
19225 ##1%
19226 \nobreak
19227 \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19228 \par
19229 \penalty\@highpenalty
19230 \endgroup
19231 \fi
19232 }
19233
19234 \bidi@undef\scr@dte@def@l@targetocline

```



```

19235 \bidi@undef\scr@dte@largetocline@init
19236 \DeclareTOCEntryStyle{largetocline}[{%
19237   \DefineTOCEntryLengthOption{indent}%
19238   {scr@tso@}{@indent}{entry indent}%
19239   \@ifundefined{#1tocdepth}{%
19240     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19241       \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19242         \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19243           \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19244             \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19245               \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19246                 \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19247                   \ifstr{#1}{figure}{\@namedef{#1tocdepth}{11}}{%
19248                     \ifstr{#1}{table}{\@namedef{#1tocdepth}{12}}{%
19249                       \expandafter\let\csname #1tocdepth\expandafter\endcsname
19250                         \csname #1numdepth\endcsname
19251                       }%
19252                     }%
19253                   }%
19254                 }%
19255               }%
19256             }%
19257           }%
19258         }%
19259       }%
19260     }%
19261   \@ifundefined{scr@tso@#1@indent}{%
19262     \@ifundefined{scr@#1@tocindent}{%
19263       \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19264         \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19265           \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19266             \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19267               \scr@ifundefinedorrelax{l@chapter}{%
19268                 \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19269                   \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19270                     \ifstr{#1}{subsubsection}{%
19271                       \@namedef{scr@tso@#1@indent}{3.8em}%
19272                     }%
19273                     \ifstr{#1}{paragraph}{%
19274                       \@namedef{scr@tso@#1@indent}{7em}%
19275                     }%
19276                     \ifstr{#1}{subparagraph}{%
19277                       \@namedef{scr@tso@#1@indent}{10em}%
19278                     }%
19279                   }%
19280                 }%
19281               }%
19282             }%
19283           }%
19284         }%

```



```

19285         \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19286         \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19287         \ifstr{#1}{subsubsection}{%
19288         \@namedef{scr@tso@#1@indent}{7.0em}%
19289         }{%
19290         \ifstr{#1}{paragraph}{%
19291         \@namedef{scr@tso@#1@indent}{10em}%
19292         }{%
19293         \ifstr{#1}{subparagraph}{%
19294         \@namedef{scr@tso@#1@indent}{12em}%
19295         }{%
19296         }%
19297         }%
19298         }%
19299         }%
19300         }%
19301         }%
19302         }%
19303         }%
19304         }%
19305         }%
19306         }{%
19307         \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19308         }%
19309         }{}%
19310     }]{%
19311     \ifnum \c@tocdepth > \numexpr \@nameuse{#1tocdepth} - \one \relax
19312     \ifnum \@nameuse{#1tocdepth} < \one
19313     \scr@ifundefinedorrelax{chapter}{%
19314     \addpenalty\@secpenalty
19315     \addvspace{2.25em \@plus\p@}%
19316     }{%
19317     \addpenalty{-\@highpenalty}%
19318     \addvspace{2.25em \@plus\p@}%
19319     }%
19320     \else
19321     \addpenalty\@secpenalty
19322     \addvspace{2.25em \@plus\p@}%
19323     \fi
19324     \setlength\@tempdima{3em}%
19325     \begingroup
19326     \parindent \z@ \bidi@rightskip \@pnumwidth
19327     \parfillskip -\@pnumwidth
19328     \leavevmode
19329     \large
19330     \bfseries
19331     \advance\bidi@leftskip\@nameuse{scr@tso@#1@indent}%
19332     ##1%
19333     \hfil \nobreak\hb@xt@\@pnumwidth{\hss ##2}%
19334     \par

```



```

19335 \nobreak
19336 \ifnum 0=
19337 \scr@ifundefinedorrelax{chapter}{\if@compatibility 1\else 0\fi}{1}\relax
19338 \global\@nobreaktrue
19339 \everypar{\global\@nobreakfalse\everypar{}}%
19340 \fi
19341 \endgroup
19342 \fi
19343 }
19344
19345 \renewcommand*{\scr@dte@tocline}[3]{%
19346 \ifnum \@nameuse{#1tocdepth}>\c@tocdepth
19347 \else
19348 \tocbasic@DependOnPenaltyAndTOCLevel{#1}%
19349 \addvspace{\@nameuse{scr@tso@#1beforeskip}}\relax
19350 {%
19351 \bidi@leftskip \@nameuse{scr@tso@#1@indent}\relax
19352 \bidi@rightskip \@tocrmarg
19353 \parfillskip -\bidi@rightskip
19354 \@nameuse{Ifscr@tso@#1@raggedpage}{%
19355 \addtolength{\parfillskip}{\z@ \@plus 1fil}%
19356 }{}%
19357 \parindent \@nameuse{scr@tso@#1@indent}\relax
19358 \@afterindenttrue
19359 \interlinepenalty\@M
19360 \expandafter\ifx\csname ragged#1entry\endcsname\raggedright
19361 \addtolength\bidi@rightskip\@flushglue
19362 \else
19363 \def\reserved@a{\raggedright}%
19364 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19365 \addtolength\bidi@rightskip\@flushglue
19366 \else
19367 \renewcommand\reserved@a{\raggedright}%
19368 \expandafter\ifx\csname ragged#1entry\endcsname\reserved@a
19369 \addtolength\bidi@rightskip\@flushglue
19370 \fi
19371 \fi
19372 \fi
19373 \leavevmode
19374 \@tempdima \@nameuse{scr@tso@#1@numwidth}\relax
19375 \@nameuse{Ifscr@tso@#1@dynnumwidth}{%
19376 \scr@ifundefinedorrelax{scr@dte@#1@lastmaxnumwidth}{%
19377 \ifdim \@nameuse{scr@dte@#1@lastmaxnumwidth}>\@tempdima
19378 \@tempdima\@nameuse{scr@dte@#1@lastmaxnumwidth}\relax
19379 \fi
19380 }%
19381 }{}%
19382 \advance\bidi@leftskip \@tempdima
19383 \null\nobreak\hskip -\bidi@leftskip
19384 {%

```



```

19385 \usetocbasicnumberline
19386 \let\scr@dte@numberline@box\numberline@box
19387 \def\numberline@box##1{%
19388   \sbox\scr@dte@tocline@numbox{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19389   \global\scr@dte@tocline@numberwidth
19390   \dimexpr\wd\scr@dte@tocline@numbox+\@nameuse{scr@tso@#1@numsep}\relax
19391   \ifdim \scr@dte@tocline@numberwidth
19392     >\@nameuse{scr@dte@#1@maxnumwidth}\relax
19393     \global\@nameuse{scr@dte@#1@maxnumwidth}\scr@dte@tocline@numberwidth
19394   \fi
19395   \@nameuse{Ifscr@tso@#1@dynnumwidth}}{-}%
19396   \ifdim \scr@dte@tocline@numberwidth
19397     >\dimexpr \@nameuse{scr@tso@#1@numwidth}%
19398     +\@nameuse{scr@tso@#1@numsep}\relax
19399     \PackageWarning{tocbasic}%
19400     }{%
19401       number width of #1 toc entries should be
19402       increased!\MessageBreak
19403       Currently used number width =
19404       \the\wd\scr@dte@tocline@numbox,\MessageBreak
19405       Wanted number separation
19406       \space\space\space =
19407       \the\dimexpr\@nameuse{scr@tso@#1@numsep}\relax,\MessageBreak
19408       Reserved number width \space\space\space\space\space\space =
19409       \the\dimexpr\@nameuse{scr@tso@#1@numwidth}\relax%
19410     }%
19411   \fi
19412 }%
19413 \scr@dte@numberline@box{\@nameuse{scr@tso@#1@numberformat}}{##1}}%
19414 \@nameuse{Ifscr@tso@#1@breakafternumber}}{-}%
19415   {\parfillskip\@flushglue\par}\nobreak\hskip-\bidi@leftskip
19416 }{}%
19417 }%
19418 \@nameuse{scr@tso@#1@entryformat}}{-}%
19419   #2%
19420   \nobreak
19421   {%
19422     \normalfont\normalsize\@nameuse{scr@tso@#1@linefill}}%
19423     \nobreak
19424     \@nameuse{scr@tso@#1@pagenumberbox}}{-}%
19425     \@nameuse{scr@tso@#1@pagenumberformat}}{#3}%
19426   }%
19427 }%
19428 \@par
19429 }%
19430 }%
19431 }%
19432 \tocbasic@SetPenaltyByTOCLevel{#1}%
19433 \fi
19434 }

```





```

19435
19436 \bidi@undef\scr@dte@def@1@tocline
19437 \bidi@undef\scr@dte@tocline@init
19438 \DeclareTOCEntryStyle{tocline}{%
19439   \DefineTOCEntryLengthOption{beforeskip}%
19440     {scr@tso@}{@beforeskip}{vertical skip before the entry}%
19441   \DefineTOCEntryIfOption{breakafternumber}%
19442     {scr@tso@}{@breakafternumber}{line break after number flag}%
19443   \DefineTOCEntryIfOption{dynnumwidth}%
19444     {scr@tso@}{@dynnumwidth}{dynamic number width flag}%
19445   \DefineTOCEntryCommandOption{entryformat}%
19446     {scr@tso@}{@entryformat}[1]{entry format}%
19447   \DefineTOCEntryCommandOption{entrynumberformat}%
19448     {scr@tso@}{@numberformat}[1]{entry number format}%
19449   \DefineTOCEntryCommandOption{linefill}[\TOCLineLeaderFill]%
19450     {scr@tso@}{@linefill}{filling between text and page number}%
19451   \DefineTOCEntryLengthOption{numsep}%
19452     {scr@tso@}{@numsep}{entry number separation}%
19453   \DefineTOCEntryCommandOption{onstarthigherlevel}%
19454     {scr@tso@}{@LastTOCLevelWasLower}{start higher level entry hook}%
19455   \DefineTOCEntryCommandOption{onstartlowerlevel}%
19456     {scr@tso@}{@LastTOCLevelWasHigher}{start lower level entry hook}%
19457   \DefineTOCEntryCommandOption{onstartsamelevel}%
19458     {scr@tso@}{@LastTOCLevelWasSame}{start same level entry hook}%
19459   \DefineTOCEntryCommandOption{pagenumberbox}%
19460     {scr@tso@}{@pagenumberbox}[1]{page number box}%
19461   \DefineTOCEntryCommandOption{pagenumberformat}%
19462     {scr@tso@}{@pagenumberformat}[1]{page number format}%
19463   \DefineTOCEntryOption{raggedentrytext}[true]{%
19464     \FamilySetBool{KOMAarg}{raggedentrytext}{@tempswa}{##1}%
19465     \ifx\FamilyKeyState\FamilyKeyStateProcessed
19466       \if@tempswa
19467         \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19468           \raggedright
19469       \else
19470         \expandafter\let\csname ragged\scr@dte@current entry\endcsname
19471           \relax
19472       \fi
19473     \fi
19474   }%
19475   \DefineTOCEntryIfOption{raggedpagenumber}%
19476     {scr@tso@}{@raggedpage}{page number ragged flag}%
19477   \DefineTOCEntryLengthOption{indent}%
19478     {scr@tso@}{@indent}{entry indent}%
19479   \DefineTOCEntryLengthOption{numwidth}%
19480     {scr@tso@}{@numwidth}{entry number width}%
19481   \scr@ifundefinedorrelax{#1tocdepth}{%
19482     \ifstrstart{#1}{sub}{%
19483       \scr@ifundefinedorrelax{\scr@dte@nosub{#1}tocdepth}{%{}%
19484         \expandafter\edef\csname #1tocdepth\endcsname{%

```



```

19485         \the\numexpr \noexpand\@nameuse{\scr@dte@nosub{#1}tocdepth}+\@ne\relax
19486     }%
19487 }%
19488 }-%
19489 }-%
19490 \@ifundefined{#1tocdepth}{%
19491     \ifstr{#1}{part}{\@namedef{#1tocdepth}{-1}}{%
19492     \ifstr{#1}{chapter}{\@namedef{#1tocdepth}{0}}{%
19493     \ifstr{#1}{section}{\@namedef{#1tocdepth}{1}}{%
19494     \ifstr{#1}{subsection}{\@namedef{#1tocdepth}{2}}{%
19495     \ifstr{#1}{subsubsection}{\@namedef{#1tocdepth}{3}}{%
19496     \ifstr{#1}{paragraph}{\@namedef{#1tocdepth}{4}}{%
19497     \ifstr{#1}{subparagraph}{\@namedef{#1tocdepth}{5}}{%
19498     \ifstr{#1}{figure}{\@namedef{#1tocdepth}{1}}{%
19499     \ifstr{#1}{table}{\@namedef{#1tocdepth}{1}}{%
19500     \expandafter\let\csname #1tocdepth\expandafter\endcsname
19501     \csname #1numdepth\endcsname
19502     }%
19503     }%
19504     }%
19505     }%
19506     }%
19507     }%
19508     }%
19509     }%
19510     }%
19511 }-%
19512 \scr@ifundefinedorrelax{scr@tso@#1@indent}{%
19513     \@ifundefined{scr@#1@tocindent}{%
19514     \ifstrstart{#1}{sub}{%
19515     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@indent}{%
19516     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-%
19517     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19518     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19519     \relax
19520     }%
19521     }%
19522     }-%
19523     \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-%
19524     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19525     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19526     \relax
19527     }%
19528     }-%
19529     \expandafter\edef\csname scr@tso@#1@indent\endcsname{%
19530     \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@indent}%
19531     +\noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19532     \relax
19533     }%
19534     }%

```



```

19535     }%
19536   }{}%
19537 }{%
19538   \@namedef{scr@tso@#1@indent}{\@nameuse{scr@#1@tocindent}}%
19539   }%
19540 }{}%
19541 \@ifundefined{scr@tso@#1@indent}{%
19542   \ifstr{#1}{figure}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19543     \ifstr{#1}{table}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19544       \ifstr{#1}{part}{\@namedef{scr@tso@#1@indent}{0em}}{%
19545         \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@indent}{0em}}{%
19546           \scr@ifundefinedorrelax{1@chapter}{%
19547             \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{0pt}}{%
19548               \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19549                 \ifstr{#1}{subsubsection}{%
19550                   \@namedef{scr@tso@#1@indent}{3.8em}%
19551                 }{%
19552                   \ifstr{#1}{paragraph}{%
19553                     \@namedef{scr@tso@#1@indent}{7em}%
19554                   }{%
19555                     \ifstr{#1}{subparagraph}{%
19556                       \@namedef{scr@tso@#1@indent}{10em}%
19557                     }{%
19558                       }%
19559                     }%
19560                   }%
19561                 }%
19562               }%
19563             }{%
19564               \ifstr{#1}{section}{\@namedef{scr@tso@#1@indent}{1.5em}}{%
19565                 \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@indent}{3.8em}}{%
19566                   \ifstr{#1}{subsubsection}{%
19567                     \@namedef{scr@tso@#1@indent}{7.0em}%
19568                   }{%
19569                     \ifstr{#1}{paragraph}{%
19570                       \@namedef{scr@tso@#1@indent}{10em}%
19571                     }{%
19572                       \ifstr{#1}{subparagraph}{%
19573                         \@namedef{scr@tso@#1@indent}{12em}%
19574                       }{%
19575                         }%
19576                       }%
19577                     }%
19578                   }%
19579                 }%
19580               }%
19581             }%
19582           }%
19583         }%
19584       }%

```



```

19585 }{}%
19586 \scr@ifundefinedorrelax{scr@tso@#1@numwidth}{%
19587   \scr@ifundefinedorrelax{scr@#1@tocnumwidth}{%
19588     \ifstrstart{#1}{sub}{%
19589       \scr@ifundefinedorrelax{scr@tso@\scr@dte@nosub{#1}@numwidth}{-}{%
19590         \expandafter\edef\csname scr@tso@#1@numwidth\endcsname{%
19591           \glueexpr \noexpand\@nameuse{scr@tso@\scr@dte@nosub{#1}@numwidth}%
19592             +.9em%
19593         \relax
19594       }%
19595     }%
19596   }{}%
19597 }{%
19598   \@namedef{scr@tso@#1@numwidth}{\@nameuse{scr@#1@tocnumwidth}}%
19599 }%
19600 }{}%
19601 \@ifundefined{scr@tso@#1@numwidth}{%
19602   \ifstr{#1}{figure}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19603     \ifstr{#1}{table}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19604       \ifstr{#1}{chapter}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19605         \scr@ifundefinedorrelax{chapter}{%
19606           \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{1.5em}}{%
19607             \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19608               \ifstr{#1}{subsubsection}{%
19609                 \@namedef{scr@tso@#1@numwidth}{3.2em}%
19610               }{%
19611                 \ifstr{#1}{paragraph}{%
19612                   \@namedef{scr@tso@#1@numwidth}{4.1em}%
19613                 }{%
19614                   \ifstr{#1}{subparagraph}{%
19615                     \@namedef{scr@tso@#1@numwidth}{5em}%
19616                   }{%
19617                     }%
19618                   }%
19619                 }%
19620               }%
19621             }%
19622           }{%
19623             \ifstr{#1}{section}{\@namedef{scr@tso@#1@numwidth}{2.3em}}{%
19624               \ifstr{#1}{subsection}{\@namedef{scr@tso@#1@numwidth}{3.2em}}{%
19625                 \ifstr{#1}{subsubsection}{%
19626                   \@namedef{scr@tso@#1@numwidth}{3.1em}%
19627                 }{%
19628                   \ifstr{#1}{paragraph}{%
19629                     \@namedef{scr@tso@#1@numwidth}{5em}%
19630                   }{%
19631                     \ifstr{#1}{subparagraph}{%
19632                       \@namedef{scr@tso@#1@numwidth}{6em}%
19633                     }{%
19634                       }%

```



```

19635         }%
19636     }%
19637 }%
19638     }%
19639 }%
19640     }%
19641 }%
19642     }%
19643 }{}%
19644 \expandafter\renewcommand%
19645 \csname scr@tso@#1@LastTOCLevelWasLower\endcsname{\LastTOCLevelWasLower}%
19646 \expandafter\renewcommand%
19647 \csname scr@tso@#1@LastTOCLevelWasSame\endcsname{\LastTOCLevelWasSame}%
19648 \expandafter\renewcommand%
19649 \csname scr@tso@#1@LastTOCLevelWasHigher\endcsname{\LastTOCLevelWasHigher}%
19650 \@ifundefined{scr@tso@#1@beforeskip}{%
19651     \ifstr{#1}{part}{%
19652         \@namedef{scr@tso@#1@beforeskip}{\glueexpr 2.25em \@plus\p@\relax}%
19653     }{%
19654         \ifstr{#1}{chapter}{%
19655             \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19656         }{%
19657             \ifstr{#1}{section}{%
19658                 \scr@ifundefinedorrelax{1@chapter}{%
19659                     \@namedef{scr@tso@#1@beforeskip}{\glueexpr 1.0em \@plus\p@\relax}%
19660                 }{}%
19661             }{}%
19662         }%
19663     }%
19664     \expandafter\renewcommand\expandafter*%
19665     \csname scr@tso@#1@beforeskip\endcsname{\glueexpr \z@ plus .2\p@\relax}%
19666 }{}%
19667 \@ifundefined{scr@dte@#1@maxnumwidth}{%
19668     \expandafter\newlength\csname scr@dte@#1@maxnumwidth\endcsname
19669     \setlength{\@nameuse{scr@dte@#1@maxnumwidth}}{\z@}%
19670 }{}%
19671 \renewcommand*{\scr@dte@donumwidth}{}%
19672 \g@addto@macro{\scr@dte@donumwidth}{\do{#1}}%
19673 \expandafter\renewcommand\expandafter*%
19674 \csname scr@tso@#1@numsep\endcsname{.4em}%
19675 \expandafter\renewcommand%
19676 \csname scr@tso@#1@numberformat\endcsname[1]{##1}%
19677 \ifstr{#1}{part}{%
19678     \expandafter\renewcommand%
19679     \csname scr@tso@#1@entryformat\endcsname[1]{\large\bfseries ##1}%
19680 }{%
19681     \ifstr{#1}{chapter}{%
19682         \expandafter\renewcommand%
19683         \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19684     }{%

```



```

19685 \scr@ifundefinedorrelax{1@chapter}{%
19686 \ifstr{#1}{section}{%
19687 \expandafter\renewcommand%
19688 \csname scr@tso@#1@entryformat\endcsname[1]{\bfseries ##1}%
19689 }{}%
19690 }{}%
19691 \expandafter\renewcommand%
19692 \csname scr@tso@#1@entryformat\endcsname[1]{##1}%
19693 }%
19694 }%
19695 \expandafter\renewcommand
19696 \csname Ifscr@tso@#1@breakafternumber\endcsname[2]{##2}%
19697 \@ifundefined{scr@tso@#1@linefill}{%
19698 \ifstr{#1}{part}{%
19699 \@namedef{scr@tso@#1@linefill}{\hfill}%
19700 }{%
19701 \ifstr{#1}{chapter}{%
19702 \@namedef{scr@tso@#1@linefill}{\hfill}%
19703 }{%
19704 \scr@ifundefinedorrelax{1@chapter}{%
19705 \ifstr{#1}{section}{%
19706 \@namedef{scr@tso@#1@linefill}{\hfill}%
19707 }{}
19708 }{}
19709 \expandafter\renewcommand%
19710 \csname scr@tso@#1@linefill\endcsname{\TOCLineLeaderFill\relax}%
19711 }%
19712 }%
19713 }{}%
19714 \expandafter\renewcommand\csname Ifscr@tso@#1@raggedpage\endcsname[2]{##2}%
19715 \ifstr{#1}{part}{%
19716 \expandafter\renewcommand%
19717 \csname scr@tso@#1@pagenumberformat\endcsname[1]{\large\bfseries ##1}%
19718 }{%
19719 \expandafter\renewcommand%
19720 \csname scr@tso@#1@pagenumberformat\endcsname[1]{%
19721 {\normalfont\normalcolor ##1}}%
19722 }%
19723 \expandafter\renewcommand%
19724 \csname scr@tso@#1@pagenumberbox\endcsname[1]{%
19725 \hb@xt@{\pnumwidth}{\hfil ##1}}%
19726 \expandafter\renewcommand\csname Ifscr@tso@#1@dynnumwidth\endcsname[2]{##2}%
19727 }{}%
19728 \scr@dte@tocline{#1}{##1}{##2}%
19729 }
19730

```

## 122 File tocstyle-xetex-bidi.def

19731 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package]



```

19732 \renewcommand*{\tocstyle@dottedtocline}[5]{%
19733   \let\numberline\tocstyle@numberline
19734   \ifnum #1>\c@tocdepth \else
19735     \if@tocstyle@penalties
19736       \begingroup
19737         \@tempcnta 20010
19738         \advance \@tempcnta by -#1
19739         \ifnum \@tempcnta>\lastpenalty
19740           \aftergroup\penalty\aftergroup\@lowpenalty
19741         \fi
19742       \endgroup
19743     \fi
19744     \edef\tocstyle@depth{#1}%
19745     \tocstyle@activate@features
19746     \ifx\tocstyle@feature@entryvskip\relax
19747       \vskip \z@ \@plus.2\p@
19748     \else
19749       \addvspace{\tocstyle@feature@entryvskip}%
19750     \fi
19751   {%
19752     \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else
19753     \tocstyle@feature@raggedhook
19754     \@tempdima #3\relax
19755     \@tempdimb #2\relax
19756     \typeout{m (\tocstyleTOC, \tocstyle@depth): \the\@tempdima}%
19757     \ifnum #1>\z@\relax
19758       \@tempcnta #1\relax \advance\@tempcnta \m@ne
19759       \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19760         \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19761           \@tempdimb
19762           \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19763           \advance\@tempdimb
19764           \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
19765         \fi
19766       \fi
19767     \fi
19768     \typeout{C (\tocstyleTOC, \tocstyle@depth): \the\@tempdimb}%
19769     \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
19770       \ifdim \@tempdimb>
19771         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
19772         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19773           @#1\endcsname{\the\@tempdimb}%
19774       \fi
19775     \else
19776       \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
19777         @#1\endcsname{\the\@tempdimb}%
19778     \fi
19779     \iftocstyle@autolength
19780       \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
19781         \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname

```



```

19782         \relax
19783     \fi
19784     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19785         \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
19786         \relax
19787     \fi
19788     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19789     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19790 \else
19791     \@tempdimb #2\relax
19792     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19793 \fi
19794 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
19795     \ifdim \@tempdima>
19796         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
19797         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19798             @\endcsname{\the\@tempdima}%
19799     \fi
19800 \else
19801     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
19802         @\endcsname{\the\@tempdima}%
19803 \fi
19804 \ifcase\tocstyle@indentstyle\relax\else
19805     \@tempdimb \z@
19806     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19807         \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
19808         \relax
19809     \fi
19810     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
19811     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
19812 \fi
19813 \advance\parindent \@tempdimb\@afterindenttrue
19814 \advance\if@RTL\rightskip\else\leftskip\fi \parindent
19815 \advance\if@RTL\leftskip\else\rightskip\fi \tocrmarg
19816 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
19817 \ifx\tocstyle@feature@parfillskip\relax\else
19818     \advance\parfillskip \tocstyle@feature@parfillskip\relax
19819 \fi
19820 \interlinepenalty\@M
19821 \leavevmode
19822 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
19823 \null\nobreak
19824 \iftocstyle@indentnotnumbered\else
19825     \hskip -\if@RTL\rightskip\else\leftskip\fi
19826 \fi
19827 \tocstyle@feature@entryhook
19828 {#4}\nobreak
19829 \ifx\tocstyle@feature@leaders\relax
19830     \leaders\hbox{$\m@th
19831         \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}}%

```





```

19832      \mkern \@dotsep mu$}\hfill
19833    \else
19834      \tocstyle@feature@leaders
19835    \fi
19836    \nobreak
19837    \ifx\tocstyle@feature@pagenumberbox\relax
19838      \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
19839    \else
19840      \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
19841    \fi
19842    \par
19843  }%
19844  \if@tocstyle@penalties
19845    \bgroup
19846      \@tempcnta 20009
19847      \advance\@tempcnta by -#1
19848      \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
19849      \reserved@a
19850    \fi
19851  \fi}
19852 \renewcommand*{\tocstyle@numberline}[1]{%
19853 \begingroup
19854   \ifx\tocstyle@feature@spaceafternumber\relax
19855     \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
19856   \else
19857     \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
19858     \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
19859   \fi
19860   \ifcsname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname
19861     \ifdim \@tempdima >
19862       \csname tocstyle@numwidth@\tocstyleTOC @\tocstyledepth\endcsname\relax
19863       \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19864         @\tocstyledepth\endcsname{\the\@tempdima}%
19865     \fi
19866   \else
19867     \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
19868       @\tocstyledepth\endcsname{\the\@tempdima}%
19869   \fi
19870 \endgroup
19871 \iftocstyle@indentnotnumbered
19872   \hskip -\if@RTL\righskip\else\leftskip\fi
19873 \fi
19874 \ifcase \tocstyle@indentstyle
19875   \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
19876 \or
19877   \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
19878 \else
19879   \ifx\tocstyle@feature@spaceafternumber\relax
19880     \hbox{\tocstyle@@numberline{#1}\enskip}%
19881   \else

```



```

19882      \hbox{\tocstyle@numberline{#1}\hskip
19883            \tocstyle@feature@spaceafternumber\relax}%
19884      \fi
19885    \fi
19886  }
19887  \AtBeginDocument{%
19888    \ifcsname l@part\endcsname
19889      \ifcsname l@chapter\endcsname
19890        \setbox\@tempboxa\vbox{\hsize\maxdimen
19891          \l@part{\tocstyle@l@define{part}{-1}}{}}%
19892      \else
19893        \setbox\@tempboxa\vbox{\hsize\maxdimen
19894          \l@part{\tocstyle@l@define{part}{0}}{}}%
19895      \fi
19896    \fi
19897    \ifcsname l@chapter\endcsname
19898      \setbox\@tempboxa\vbox{\hsize\maxdimen
19899        \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
19900    \fi
19901    \ifcsname l@section\endcsname
19902      \setbox\@tempboxa\vbox{\hsize\maxdimen
19903        \l@section{\tocstyle@l@define{section}{1}}{}}%
19904    \fi
19905    \ifcsname l@subsection\endcsname
19906      \setbox\@tempboxa\vbox{\hsize\maxdimen
19907        \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
19908    \fi
19909    \ifcsname l@subsubsection\endcsname
19910      \setbox\@tempboxa\vbox{\hsize\maxdimen
19911        \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
19912    \fi
19913    \ifcsname l@paragraph\endcsname
19914      \setbox\@tempboxa\vbox{\hsize\maxdimen
19915        \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
19916    \fi
19917    \ifcsname l@subparagraph\endcsname
19918      \setbox\@tempboxa\vbox{\hsize\maxdimen
19919        \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
19920    \fi
19921    \ifcsname l@table\endcsname
19922      \setbox\@tempboxa\vbox{\hsize\maxdimen
19923        \l@table{\tocstyle@l@define{table}{1}}{}}%
19924    \fi
19925    \ifcsname l@figure\endcsname
19926      \setbox\@tempboxa\vbox{\hsize\maxdimen
19927        \l@figure{\tocstyle@l@define{figure}{1}}{}}%
19928    \fi
19929    \def\@tempa#1#2#3#4#5{%
19930      \ifnum #1>\c@tocdepth \else
19931        \vskip \z@ \@plus.2\p@

```



```

19932      {\if@RTL\rightskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\rightskip\fi \@tocrm
19933      \parindent #2\relax\@afterindenttrue
19934      \interlinepenalty\@M
19935      \leavevmode
19936      \@tempdima #3\relax
19937      \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\right
19938      {#4}\nobreak
19939      \leaders\hbox{$\m@th
19940      \mkern \dotsep mu\hbox{.}\mkern \dotsep
19941      mu$}\hfill
19942      \nobreak
19943      \hb@xt@\@pnumwidth{{\hfil \normalfont \normalcolor #5}}%
19944      \par}%
19945      \fi}%
19946      \ifx\@dottedtocline\@tempa\else
19947      \tocstyle@macrochangewarning\@dottedtocline
19948      \fi
19949      \let\tocstyle@saved@dottedtocline\@dottedtocline
19950      \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
19951      \ifx\numberline\@tempa\else
19952      \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
19953      \ifx\numberline\@tempa\else
19954      \tocstyle@macrochangewarning\numberline
19955      \fi
19956      \fi
19957      \let\tocstyle@saved\@numberline\@numberline
19958  }
19959  \renewcommand*{\tocstyle@l@define}[2]{%
19960  \advance\if@RTL\rightskip\else\leftskip\fi-\@tempdima
19961  \edef\@tempa{%
19962  \noexpand\global\noexpand\let
19963  \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
19964  \expandafter\noexpand\csname l@#1\endcsname
19965  \noexpand\gdef
19966  \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
19967  \noexpand\@dottedtocline{#2}{\the\if@RTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
19968  \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
19969  \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
19970  \expandafter\noexpand\csname tocstyle@l@#1\endcsname
19971  }%
19972  }%
19973  \PackageInfo{tocstyle}{prepare \expandafter\string
19974  \csname l@#1\endcsname\space for redefinition}%
19975  \@tempa
19976  }

```

## 123 File todonotes-xetex-bidi.def

```

19977 \ProvidesFile{todonotes-xetex-bidi.def}[2016/11/08 v0.4 bidi adaptations for todonotes package]
19978 \newif\if@bidi@todonotes@textdirection@RTL

```



```

19979 \newif\if@bidi@todonotes@figposition@right
19980 \newcommand{\@bidi@todonotes@align}{}%
19981 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
19982 \newcommand{\@bidi@todonotes@textdirection}{}%
19983 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
19984 \ifcase\@bidi@todonotes@tempb\relax
19985 \@bidi@todonotes@textdirection@RTLtrue
19986 \let\@bidi@todonotes@textdirection\RLE
19987 \or
19988 \@bidi@todonotes@textdirection@RTLfalse
19989 \let\@bidi@todonotes@textdirection\LRE
19990 \fi}
19991 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,
19992 \ifcase\@bidi@todonotes@tempb\relax
19993 \@bidi@todonotes@figposition@righttrue
19994 \or
19995 \@bidi@todonotes@figposition@rightfalse
19996 \fi}
19997 \if@todonotes@disabled%
19998 \else % \if@todonotes@disabled
19999 \renewcommand{\@todonotes@drawInlineNote}{%
20000 \if@todonotes@dviStyle%
20001 {\par\noindent\begin{tikzpicture}[remember picture]%
20002 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20003 \if@todonotes@authorgiven%
20004 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20005 \else%
20006 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20007 \fi
20008 {\par\noindent\begin{tikzpicture}[remember picture]%
20009 \draw node[inlinenotestyle] {};\end{tikzpicture}\par}%
20010 \else%
20011 {\par\noindent\begin{tikzpicture}[remember picture]%
20012 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20013 \draw node[inlinenotestyle,font=\@todonotes@sizecommand,align=\@bidi@todonotes@al:
20014 \if@todonotes@authorgiven%
20015 {\noindent \@todonotes@sizecommand \@todonotes@author:\,\@todonotes@text}%
20016 \else%
20017 {\noindent \@todonotes@sizecommand \@todonotes@text}%
20018 \fi};%
20019 \end{tikzpicture}\par}%
20020 \fi}%
20021 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
20022 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
20023 \node [coordinate] (inText) {};%
20024 \end{tikzpicture}%
20025 \marginpar[{} Draw note in left margin
20026 \@todonotes@drawMarginNote%
20027 \if@RTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
20028 ]{} Draw note in right margin

```



```

20029 \@todonotes@drawMarginNote%
20030 \if@RTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
20031 }%
20032 }%
20033 \renewcommand{\@todonotes@drawMarginNote}{%
20034 \if@todonotes@dviStyle%
20035 \begin{tikzpicture}[remember picture]%
20036 \draw node[notestyle] {};%
20037 \end{tikzpicture}\\%
20038 \begin{minipage}{\@todonotes@textwidth}%
20039 \if@todonotes@authorgiven%
20040 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
20041 \else%
20042 \@todonotes@sizecommand \@todonotes@text%
20043 \fi%
20044 \end{minipage}\\%
20045 \begin{tikzpicture}[remember picture]%
20046 \draw node[notestyle] (inNote) {};%
20047 \end{tikzpicture}%
20048 \else%
20049 \let\originalHbadness\hbadness%
20050 \hbadness 100000%
20051 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
20052 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20053 \node(X){\vphantom{X}};%
20054 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
20055 \if@todonotes@authorgiven%
20056 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@sizecommand\@todonotes@author};%
20057 \node(Y)[below=of X]{};%
20058 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
20059 \else%
20060 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
20061 \else%
20062 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@textdirection]{\@todonotes@text};%
20063 \fi%
20064 \end{tikzpicture}%
20065 \hbadness \originalHbadness%
20066 \fi}%
20067 \renewcommand{\missingfigure}[2][]{%
20068 \setkeys{todonotes}{#1}%
20069 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
20070 \par
20071 \noindent
20072 \begin{tikzpicture}
20073 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
20074 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
20075 \if@bidi@todonotes@figposition@right%
20076 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]

```



```

20079 \fi%
20080 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
20081     (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
20082 \if@bidi@todonotes@figposition@right%
20083 \end{scope}
20084 \begin{scope}[xshift=-3.8cm]
20085 \fi%
20086 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
20087 \draw (2, -0.3) node[right, text
20088     width=\@todonotes@currentfigwidth-4.5cm, align=\@bidi@todonotes@align] {#2};
20089 \if@bidi@todonotes@figposition@right%
20090 \end{scope}
20091 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
20092 \fi%
20093 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20094 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@
20095 \if@bidi@todonotes@figposition@right%
20096 \end{scope}
20097 \fi%
20098 \end{tikzpicture}\hfill
20099}% Ending \missingfigure command
20100 \fi % Ending \@todonotes@ifdisabled
20101 \presetkeys%
20102     {todonotes}%
20103     {align=left,%
20104     textdirection=lefttoright,%
20105     figposition=left}{}%

```

## 124 File wrapfig-xetex-bidi.def

```

20106 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for
20107 \let\WF@@everypar\@everypar\@bidi@n@everypar
20108 \def\WF@putfigmaybe{%
20109 \ifinner
20110     \vskip-\parskip \global\WF@floatfalse
20111     \let\pagetotal\maxdimen % kludge flag for "not top of page"
20112 \else % outer page
20113     \@tempdima\pagedepth % save page depth
20114     {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
20115     \penalty\interlinepenalty % update pg. parameters
20116     \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
20117     \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
20118         \global\WF@floatfalse
20119         \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
20120     \else
20121         \ifdim\WF@size>\@tempdimb
20122             \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
20123             \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
20124             \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
20125             \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi

```



```

20126         \advance\dimen@.5\baselineskip
20127         \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
20128             \global\WF@floatfalse \pagebreak
20129         \fi
20130     \else % \WF@info{Fits in \the\@tempdimb;}%
20131         \global\WF@floatfalse
20132     \fi\fi
20133     \vskip\@tempdima\relax % (return erased page depth)
20134 \fi
20135 \noindent
20136 \ifWF@float
20137     \WF@fltmes
20138 \else % putting here;
20139     \WF@info{Put \WF@wfname here;}%
20140     {\ifodd\if@twoside\c@page\else\@one\fi % assign l/r to i/o placement
20141         \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
20142         \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
20143     \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
20144         \@tempdima\wd\WF@box \@tempdimb\WF@ovh
20145         \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
20146         \@tempdimb\hsize \advance\@tempdimb-\@tempdima
20147         \xdef\WF@adjlw{\the\@tempdima}%
20148         \ifnum `l=\WF@place % fig on left
20149             \if@RTL%
20150                 \kern\@tempdimb \kern\columnsep
20151                 \def\@tempa{\hss}% position to left of the gap
20152             \else%
20153                 \hss % figure overlaps space to the left
20154                 \def\@tempa{\kern\columnsep}% position to left of the gap
20155             \fi%
20156         \else % fig on right
20157             \if@RTL%
20158                 \hss
20159                 \@tempdima\z@
20160                 \def\@tempa{\kern\columnsep}
20161             \else%
20162                 \@tempdima\z@ % no left indentation
20163                 \kern\@tempdimb \kern\columnsep
20164                 \def\@tempa{\hss}% figure overlaps space to the right
20165             \fi%
20166         \fi
20167     \ifdim\@tempdimb<\hsize
20168         \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
20169         \xdef\WF@adjtlm{\the\@tempdima}%
20170     \else
20171         \xdef\WF@wrapil{\z@ \the\hsize}%
20172         \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
20173     \fi
20174     \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
20175         \global\advance\WF@size-\intextsep

```



```

20176 \else % \WF@info{Putting \WF@wfname in middle of page}%
20177 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
20178 \fi \dp\WF@box\z@ \box\WF@box \@tempa
20179 }% end \hbox to Opt
20180 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
20181 \fi}

```

## 125 File xcolor-xetex-bidi.def

```

20182 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for X
20183 \long\def\color@b@x#1#2#3%
20184 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
20185 \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
20186 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
20187 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
20188 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
20189 \def\normalcolor{\let\current@color\default@color\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi}
20190 \DeclareRobustCommand\color
20191 {\ifmmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}%
20192 \def\@undeclaredcolor[#1]#2%
20193 {\begingroup
20194 \let\@cls\@empty
20195 \XC@getmodclr12{#1}{#2}{}%
20196 {\ifblendcolors
20197 \ifx\colorblend\@empty\else
20198 \edef\@cmix{\expandafter\@gobble\colorblend}\@tempswafalse
20199 \XC@coremodel\@mod\@clr\@xcolor@{ }\@mod\@clr
20200 \fi
20201 \fi
20202 \ifconvertcolorsU
20203 \edef\@tmp{\XC@tgt@mod{\@mod}}%
20204 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
20205 \fi
20206 \ifmaskcolors
20207 \convertcolorspec\@mod\@clr\XC@mmod\@clr
20208 \let\@mod\XC@mmod
20209 \XC@inflate\@mod\XC@mclr\@clr\@tmp
20210 \expandafter\XC@mul\@tmp,\@clr
20211 \fi
20212 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
20213 \expandafter\endgroup\@tmp}}
20214 \def\@declaredcolor#1%
20215 {\XC@edef\XC@tmp{#1}\XC@@tstfalse
20216 \ifcase\XC@type\XC@tmp\relax \XC@@tsttrue\or \relax\else
20217 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
20218 \ifconvertcolorsU\XC@tsttrue\fi
20219 \fi
20220 \ifXC@@tst
20221 \expandafter\XC@declaredcolor\else
20222 \expandafter\XC@declaredcolor\fi}

```





```

20223 \def\XC@undeclaredcolor#1#2%
20224 {\@ifundefinedmodel{#1}%
20225   {\c@lor@error{model `#1'}}%
20226   {\@nameuse{color@#1}\current@color{#2}%
20227     \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
20228     \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20229 \def\XC@declaredc@lor
20230 {\XC@let@Nc\XC@current@color{\string\color@\XC@@tmp}%
20231 \edef\current@color{\XC@current@color}%
20232 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
20233 \DeclareRobustCommand\bidicolor
20234 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
20235 \def\@bidiundeclaredcolor[#1]#2%
20236 {\begingroup
20237   \let\@@cls@empty
20238   \XC@getmodclr12{#1}{#2}{}%
20239   {\ifblendcolors
20240     \ifx\colorblend\@empty\else
20241       \edef\@@mix{\expandafter\@gobble\colorblend}\@tempswafalse
20242       \XC@coremodel\@mod\@@clr\@xcolor@{}{\@mod\@@clr
20243         \fi
20244         \fi
20245         \ifconvertcolorsU
20246           \edef\@@tmp{\XC@tgt@mod{\@mod}}%
20247           \convertcolorspec\@mod\@@clr\@@tmp\@@clr \let\@mod\@@tmp
20248           \fi
20249           \ifmaskcolors
20250             \convertcolorspec\@mod\@@clr\XC@mmod\@@clr
20251             \let\@mod\XC@mmod
20252             \XC@inflate\@mod\XC@mclr\@@clr\@@tmp
20253             \expandafter\XC@mul\@@tmp,\@@clr
20254             \fi
20255             \edef\@@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@@clr}}%
20256             \expandafter\endgroup\@@tmp}}
20257 \def\XC@bidiundeclaredcolor#1#2%
20258 {\@ifundefinedmodel{#1}%
20259   {\c@lor@error{model `#1'}}%
20260   {\@nameuse{color@#1}\current@color{#2}%
20261     \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
20262     \XC@display}}
20263 \def\@bidideclaredcolor#1%
20264 {\XC@edef\XC@@tmp{#1}\XC@@tstfalse
20265 \ifcase\XC@type\XC@@tmp\relax \XC@@tsttrue\or \relax\else
20266   \ifblendcolors\XC@@tsttrue\fi \ifmaskcolors\XC@@tsttrue\fi
20267   \ifconvertcolorsU\XC@@tsttrue\fi
20268   \fi
20269   \ifXC@@tst
20270     \expandafter\XC@bidideclaredcolor\else
20271     \expandafter\XC@bidideclaredc@lor\fi}
20272 \def\XC@bidideclaredcolor

```



```

20273 {\XC@split\XC@tmp
20274 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}}%
20275 \expandafter\endgroup\@tmp}
20276 \def\XC@bidiundeclaredcolor
20277 {\XC@let\NC\XC@current@color{\string\color\XC@tmp}%
20278 \edef\current@color{\XC@current@color}%
20279 \XC@display}
20280 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
20281 \def\color@fbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
20282 \def\color@fb@x#1#2#3#4%
20283 {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
20284 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
20285 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode}

```

## 126 File latex-xetex-bidi.def

```

20286 \ProvidesFile{latex-xetex-bidi.def}[2018/02/22 v1.3.3 bidi adaptations for `latex.ltx' for Xe
20287 \newcommand{\TeXeTOn}{\TeXeTstate=1 }
20288 \newcommand{\TeXeTOff}{\TeXeTstate=0 }
20289 \TeXeTOn
20290 \def\bidi@RTL@everypar{\setbox\z@lastbox\if@RTL\beginR\else\beginL\fi\ifvoid\z@\else\usebox\
20291 \let\bidi@o@everypar=\everypar
20292 \newtoks\bidi@n@everypar
20293 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
20294 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
20295 \let\everypar=\bidi@n@everypar
20296 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
20297 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
20298 \protected\def\hboxR{\hbox\bgroup
20299 \everyhbox{%
20300 \aftergroup\egroup
20301 \everyhbox{}}%
20302 \beginR
20303 \@hboxRconstructtrue
20304 \bgroup
20305 \aftergroup\endR
20306 \aftergroup\egroup
20307 }\hbox}
20308 \protected\def\hboxL{\hbox\bgroup
20309 \everyhbox{%
20310 \aftergroup\egroup
20311 \everyhbox{}}%
20312 \beginL
20313 \@hboxRconstructfalse
20314 \bgroup
20315 \aftergroup\endL
20316 \aftergroup\egroup
20317 }\hbox}
20318 \protected\def\vboxR{\vbox\bgroup
20319 \everyvbox{%

```



```

20320 \aftergroup\egroup
20321 \everyvbox{}%
20322 \@RTLtrue
20323 \@RTLtabtrue
20324 \bgroup
20325 \aftergroup\egroup
20326 }\vbox}
20327 \protected\def\vboxL{\vbox\bgroup
20328 \everyvbox{%
20329 \aftergroup\egroup
20330 \everyvbox{}%
20331 \@RTLfalse
20332 \@RTLtabfalse
20333 \bgroup
20334 \aftergroup\egroup
20335 }\vbox}
20336 \newcommand*{\bidi@leftskip}{\if@RTL\righskip\else\leftskip\fi}
20337 \newcommand*{\bidi@rightskip}{\if@RTL\leftskip\else\righskip\fi}
20338 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse\hsize\linewidth\parshape\z@}
20339 \def\endLTR{\par}
20340 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue\hsize\linewidth\parshape\z@}
20341 \def\endRTL{\par}
20342 \def\setRTL{\@RTLtrue\@RTL@footnotetrue\@RTLtabtrue}
20343 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\@RTLtabfalse}
20344 \let\unsetRTL=\setLTR
20345 \let\unsetLTR=\setRTL
20346 \let\LR=\LRE
20347 \let\RL=\RLE
20348 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
20349 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
20350 \let\@ensure@RL=\@ensure@RTL
20351 \let\@ensure@LR=\@ensure@LTR
20352 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
20353 \let\@ensure@maindir=\@ensure@dir
20354 \def\@RTL{RTL}
20355 \def\@LTR{LTR}
20356 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
20357 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
20358 \let\@TeX\TeX
20359 \def\TeX{\@ensure@LTR{\@TeX}}
20360 \let\@LaTeX\LaTeX
20361 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
20362 \let\@LaTeXe\LaTeXe
20363 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
20364 \long\def\bidi@reflect@box#1{%
20365 \leavevmode
20366 \setbox\z@\hbox{#1}%
20367 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}
20368 \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
20369 }

```



```

20370 \bidi@newrobustcmd*{\XeTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20371 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
20372 \bidi@newrobustcmd*{\XeLaTeX}{\LR{\leavevmode$\smash{\hbox{X\lower.5ex
20373 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
20374 \let\setRL=\setRTL
20375 \let\setLR=\setLTR
20376 \let\unsetRL=\setLTR
20377 \def\bidi@tabular@RTLcases{\let\@halignto\@empty\@bidi@tabular@RTLcases}
20378 \ifpackageloaded{array}{%
20379 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20380 \leavevmode
20381 \hbox \bgroup $\left.\col@sep\tabcolsep \let\dollarbegin\begin\group
20382 \let\dollarend\endgroup
20383 \@tabarray}
20384 \def\endbidi@tabular@RTLcases{\endarray \right\rbrace$\egroup}
20385 }{%
20386 \def\@bidi@tabular@RTLcases{\@RTLtabtrue%
20387 \leavevmode \hbox \bgroup
20388 $\left.\let\@acol\@tabacol
20389 \let\@classz\@tabclassz
20390 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20391
20392 \def\endbidi@tabular@RTLcases{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20393 \egroup\right\rbrace $\egroup}}
20394 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
20395 \ialign{##\hfil$\&\quad{##}\hfil\crr#1\crr}}\,,\right\}}
20396 \renewenvironment{RTLcases}{%
20397 \bidi@matrix@check\RTLcases\env@RTLcases
20398 }{%
20399 \endbidi@tabular@RTLcases%
20400 }
20401 \def\env@RTLcases{%
20402 \let\@ifnextchar\bidi@new@ifnextchar
20403 \def\arraystretch{1.2}%
20404 \bidi@tabular@RTLcases{\@r@{\quad}r@{}}%
20405 }
20406 \def\SepMark#1{\gdef\@SepMark{#1}}
20407 \SepMark{.}
20408 \def\@thmcountersep{\@SepMark}
20409 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
20410 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
20411 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
20412 \newcommand*\bidi@thebibliography@font@hook{}
20413 \def\list#1#2{%
20414 \ifnum \@listdepth >5\relax
20415 \toodeep
20416 \else
20417 \global\advance\@listdepth\@ne
20418 \fi
20419 \rightmargin\z@

```



```

20420 \listparindent\z@
20421 \itemindent\z@
20422 \csname @list\romannumeral\the\@listdepth\endcsname
20423 \def\@itemlabel{#1}%
20424 \let\makelabel\@mklab
20425 \@nmbrrlistfalse
20426 #2\relax
20427 \@trivlist
20428 \parskip\parsep
20429 \parindent\listparindent
20430 \advance\linewidth -\rightmargin
20431 \advance\linewidth -\leftmargin
20432 \if@bidi@list@minipage@parbox
20433 \if@RTL
20434 \advance\@totalleftmargin \leftmargin
20435 \else
20436 \advance\@totalleftmargin \rightmargin
20437 \fi
20438 \else
20439 \if@hboxRconstruct
20440 \if@bidi@list@minipage@parbox@not@nob
20441 \if@RTL
20442 \advance\@totalleftmargin \rightmargin
20443 \else
20444 \advance\@totalleftmargin \leftmargin
20445 \fi
20446 \else
20447 \if@RTL
20448 \advance\@totalleftmargin \leftmargin
20449 \else
20450 \advance\@totalleftmargin \rightmargin
20451 \fi\fi
20452 \else
20453 \if@RTL
20454 \advance\@totalleftmargin \rightmargin
20455 \else
20456 \advance\@totalleftmargin \leftmargin
20457 \fi\fi\fi
20458 \parshape \@ne \@totalleftmargin \linewidth
20459 \ignorespaces}
20460 \long\def\@iiiparbox#1#2[#3]#4#5{%
20461 \leavevmode
20462 \@pboxswfalse
20463 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
20464 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
20465 \setlength\@tempdima{#4}%
20466 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
20467 \ifx\relax#2\else
20468 \setlength\@tempdimb{#2}%
20469 \edef\@parboxto{to\the\@tempdimb}%

```



```

20470 \fi
20471 \if#1b\vbox
20472 \else\if #1t\vtop
20473 \else\ifmode\vcenter
20474 \else\@pboxswtrue $\vcenter
20475 \fi\fi\fi
20476 \@parboxto{\let\hss\vss\let\unhbox\unvbox
20477 \csname bm@#3\endcsname}%
20478 \if@pboxsw \m@th$\fi
20479 \@endtempboxa}
20480 \def\bidilrbox#1{%
20481 \edef\reserved@a{%
20482 \endgroup
20483 \setbox#1\hbox{%
20484 \begingroup\aftergroup}%
20485 \def\noexpand\@currentenv{\@currentenv}%
20486 \def\noexpand\@currentvline{\on@line}}%
20487 \reserved@a
20488 \@endpefalse
20489 \color@begingroup
20490 \ignorespaces}
20491 \def\endbidilrbox{\unskip\color@endgroup}
20492 \newenvironment{LTRitems}
20493 {\par\@RTLfalse\@RTLtabfalse
20494 \if@bidi@list@minipage@parbox
20495 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20496 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20497 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20498 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20499 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\ignorespaces}{\vskip\z@}
20500 \newenvironment{RTLitems}
20501 {\par\@RTLtrue\@RTLtabtrue
20502 \if@bidi@list@minipage@parbox
20503 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20504 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20505 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20506 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20507 \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\ignorespaces}{\vskip\z@}
20508 \newenvironment{LTRbibitems}
20509 {\par\@RTLfalse\@RTLtabfalse
20510 \if@bidi@list@minipage@parbox
20511 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
20512 \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20513 \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
20514 \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
20515 \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\ignorespaces}{\vskip\z@}
20516 \newenvironment{RTLbibitems}

```



```

20520          {\par\@RTLtrue\@RTLtabtrue
20521           \if@bidi@list@minipage@parbox
20522           \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
20523           \else \if@hboxRconstruct\if@bidi@list@minipage@parbox@not@nob
20524           \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
20525           \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
20526           \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\
20527           \ignorespaces}{\vskip\z@}
20528 \def\raggedright{%
20529   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
20530   \leftskip\z@skip
20531   \parindent\z@\parfillskip\z@skip}
20532 \let\@bidi@orig@raggedleft\raggedleft
20533 \let\@bidi@orig@raggedright\raggedright
20534 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\@bidi@orig@raggedright\else\if@hboxRcons
20535 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\@bidi@orig@raggedleft\else\if@hboxRcons
20536 \newcommand{\@bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
20537 \newcommand{\@bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
20538 \def\centerline#1{%
20539 \if@RTL\@@line{\hss\beginR#1\endR\hss}
20540 \else\@@line{\hss#1\hss}\fi}
20541 \def\leftline#1{%
20542 \if@RTL\@@line{\beginR#1\endR\hss}
20543 \else\@@line{#1\hss}\fi}
20544 \def\rightline#1{%
20545 \if@RTL\@@line{\hss\beginR#1\endR}
20546 \else\@@line{\hss#1}\fi}
20547 \let\@bidi@orig@leftline\leftline
20548 \let\@bidi@orig@rightline\rightline
20549 \def\leftline#1{\ifhmode\if@RTL\@bidi@orig@rightline{#1}\else\@bidi@orig@leftline{#1}\fi\else\i
20550 \def\rightline#1{\ifhmode\if@RTL\@bidi@orig@leftline{#1}\else\@bidi@orig@rightline{#1}\fi\else\
20551 \def\bidirlap#1{\hbext@z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
20552 \def\bidillap#1{\hbext@z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
20553 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
20554   \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
20555 \def\narrower{%
20556   \advance\if@RTL\rightskip\else\leftskip\fi\parindent
20557   \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
20558 \def\underline#1{%
20559   \relax
20560   \ifmmode\@@underline{#1}%
20561   \else
20562 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
20563 \else
20564 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
20565 \if@compatibility
20566   \let\undertext=\underline
20567 \fi
20568 \def\@tabular{%
20569   \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi

```



```

20570 $\let\@acol\@tabacol
20571 \let\@classz\@tabclassz
20572 \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
20573 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
20574 \egroup $\if@RTLtab\endR\fi\egroup}
20575 \expandafter \let \csname endtabular*\endcsname = \endtabular
20576 \def\@array[#1]#2{%
20577 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
20578 \bgroup
20579 \setbox\@arstrutbox\hbox{%
20580 \vrule \@height\arraystretch\ht\strutbox
20581 \@depth\arraystretch \dp\strutbox
20582 \@width\z@}%
20583 \@mkpream{#2}%
20584 \edef\@preamble{%
20585 \ialign \noexpand\@halignto
20586 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
20587 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
20588 \let\@tabularnewline\\%
20589 \let\par\@empty
20590 \let\@sharp##%
20591 \set@typeset@protect
20592 \lineskip\z@skip\baselineskip\z@skip
20593 \ifhmode \@preamerr\z@ \@@par\fi
20594 \if@RTLtab\hbox\bgroup\beginR\@hboxRconstructtrue\if #1t\vtop \else \vbox \fi\bgroup\fi
20595 \@preamble}
20596 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
20597 \let\@classiv\@arrayclassiv
20598 \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
20599 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
20600 \ifnum \@lastchclass=3 5 \else
20601 \z@ \if #1c\@chnum \z@ \else
20602 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
20603 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
20604 \@chclass \if #1|\@ne \else
20605 \if #1@\tw@ \else
20606 \if #1p3 \else \z@ \@preamerr 0\fi
20607 \fi \fi \fi \fi \fi \fi
20608 \fi}
20609 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
20610 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
20611 \def\bm@t{\unhbox\@tempboxa\hss}
20612 \def\bm@b{\hss\unhbox\@tempboxa}
20613 \def\@dottedtocline#1#2#3#4#5{%
20614 \ifnum #1>\c@tocdepth \else
20615 \vskip \z@ \@plus.2\p@
20616 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocmargin}
20617 \parindent #2\relax\@afterindenttrue
20618 \interlinepenalty\@M
20619 \leavevmode

```





```

20620 \@tempdima #3\relax
20621 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
20622 {#4}\nobreak
20623 \leaders\hbox{$\m@th
20624 \mkern \dotsep mu\hbox{.}\mkern \dotsep
20625 mu$}\hfill
20626 \nobreak
20627 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
20628 \par}%
20629 \fi}
20630
20631 \newcount\bidicolumn@check@number
20632
20633 \def\bidicolumn@status#1{\gdef\bidicurrent@column@status{#1}}
20634
20635 \def\bidicolumn@set@column@status#1#2{%
20636 \global\expandafter\let\csname #1\endcsname\bidicurrent@column@status}
20637
20638 \if@twocolumn
20639 \newcommand\DetectColumn[3][1]{%
20640 \ifx\bidicolumn@status\write\relax
20641 \PackageError{bidi}%
20642 {Option 'DetectColumn' not selected}%
20643 {\string\DetectColumn\space
20644 requires the use of the 'DetectColumn'
20645 option on the package}%
20646 \fi
20647 \global\advance\bidicolumn@check@number\@ne
20648 \edef\bidicolumn@type{\expandafter\ifx
20649 \csname bidi@column-\the\bidicolumn@check@number\endcsname\relax
20650 \else
20651 \csname bidi@column-\the\bidicolumn@check@number\endcsname
20652 \fi}%
20653 \ifcase \bidicolumn@type\relax
20654 \ifcase #1\or #2\or #3\fi % 0 not known use first column as default
20655 \or
20656 #2% % 1 First column
20657 \or
20658 #3% % 2 Second (Last column)
20659 \else
20660 \ERROR
20661 \fi
20662 \edef\next{\write\@auxout
20663 {\string\bidicolumn@set@column@status{\bidicolumn-\the\bidicolumn@check@number}}%
20664 {\bidicolumn@type}}}%
20665 \next
20666 }
20667
20668 \AtEndDocument{\def\bidicolumn@set@column@status#1#2{%
20669 \ifnum #2=\bidicurrent@column@status\else

```



```

20670      \@tempwattrue
20671      \fi}%
20672 }
20673 \fi
20674
20675 \def\RTL@outputdblcol{%
20676   \if@firstcolumn
20677     \global\@firstcolumnfalse
20678     \global\setbox\@leftcolumn\copy\@outputbox
20679     \splitmaxdepth\maxdimen
20680     \vbadness\maxdimen
20681     \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20682     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20683     \toks@\expandafter{\topmark}%
20684     \xdef\@firstcoltopmark{\the\toks@}%
20685     \toks@\expandafter{\splitfirstmark}%
20686     \xdef\@firstcolfirstmark{\the\toks@}%
20687     \ifx\@firstcolfirstmark\@empty
20688       \global\let\@setmarks\relax
20689     \else
20690       \gdef\@setmarks{%
20691         \let\firstmark\@firstcolfirstmark
20692         \let\topmark\@firstcoltopmark}%
20693     \fi
20694   \else
20695     \global\@firstcolumntrue
20696     \setbox\@outputbox\vbox{%
20697       \hb@xt@\textwidth{%
20698         \hskip \columnwidth
20699         \hfil
20700         {\normalcolor\vrule \@width\columnseprule}%
20701         \hfil
20702         \hb@xt@\columnwidth{%
20703           \bidi@firstcolumn@status@write%
20704           \box\@leftcolumn \hss}%
20705         \hskip -\textwidth
20706         \hb@xt@\columnwidth{%
20707           \bidi@lastcolumn@status@write%
20708           \box\@outputbox \hss}%
20709         \hskip \columnsep
20710         \hskip \columnwidth }}%
20711     \@combinedblfloats
20712     \@setmarks
20713     \@outputpage
20714     \begingroup
20715       \@dblfloatplacement
20716       \@startdblcolumn
20717       \@whilesw\if@fcolmade \fi{\@outputpage
20718         \@startdblcolumn}%
20719     \endgroup

```



```

20720 \fi}%
20721
20722 \def\LTR@outputdblcol{%
20723 \if@firstcolumn
20724 \global\@firstcolumnfalse
20725 \global\setbox\@leftcolumn\copy\@outputbox
20726 \splitmaxdepth\maxdimen
20727 \vbadness\maxdimen
20728 \setbox\@outputbox\vbox{\unvbox\@outputbox\unskip}%
20729 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
20730 \toks@\expandafter{\topmark}%
20731 \xdef\@firstcoltopmark{\the\toks@}%
20732 \toks@\expandafter{\splitfirstmark}%
20733 \xdef\@firstcolfirstmark{\the\toks@}%
20734 \ifx\@firstcolfirstmark\@empty
20735 \global\let\@setmarks\relax
20736 \else
20737 \gdef\@setmarks{%
20738 \let\firstmark\@firstcolfirstmark
20739 \let\topmark\@firstcoltopmark}%
20740 \fi
20741 \else
20742 \global\@firstcolumntrue
20743 \setbox\@outputbox\vbox{%
20744 \hb@xt@\textwidth{%
20745 \hb@xt@\columnwidth{%
20746 \bidi@firstcolumn@status@write%
20747 \box\@leftcolumn \hss}%
20748 \hfil
20749 {\normalcolor\vrule \@width\columnseprule}%
20750 \hfil
20751 \hb@xt@\columnwidth{%
20752 \bidi@lastcolumn@status@write%
20753 \box\@outputbox \hss}}}%
20754 \@combinedblfloats
20755 \setmarks
20756 \outputpage
20757 \begingroup
20758 \dblfloatplacement
20759 \startdblcolumn
20760 \@whiles\if@fcolmade \fi{\@outputpage
20761 \startdblcolumn}%
20762 \endgroup
20763 \fi}%
20764
20765
20766 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
20767 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
20768 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
20769 \def\LTRmarginpar{%

```



```

20770 \ifhmode
20771   \@bsphack
20772   \@floatpenalty -\@Mii
20773 \else
20774   \@floatpenalty-\@Miii
20775 \fi
20776 \ifinner
20777   \@parmoderr
20778   \@floatpenalty\z@
20779 \else
20780   \@next\@currbox\@freelist{\}%
20781   \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20782   {\@floatpenalty\z@
20783    \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20784 \fi
20785 \@ifnextchar [\@LTRxmpar\@LTRympar}
20786 \long\def\@LTRxmpar[#1]#2{%
20787   \@LTRsavemarbox\@marbox{#1}%
20788   \@LTRsavemarbox\@currbox{#2}%
20789   \@xympar}
20790 \long\def\@LTRympar#1{%
20791   \@LTRsavemarbox\@marbox{#1}%
20792   \global\setbox\@currbox\copy\@marbox
20793   \@xympar}
20794 \long\def \@LTRsavemarbox #1#2{%
20795   \global\setbox #1%
20796   \color@vbox
20797   \vtop{%
20798     \hsize\marginparwidth
20799     \@parboxrestore
20800     \@LTRmarginparreset
20801     #2%
20802     \@minipagefalse
20803     \outer@nobreak
20804     }%
20805   \color@endbox
20806 }
20807 \def \@LTRmarginparreset {%
20808   \reset@font
20809   \normalsize
20810   \@minipagetrue
20811   \everypar{\@minipagefalse\everypar{}\beginL}%
20812 }
20813 \def\RTLmarginpar{%
20814   \ifhmode
20815     \@bsphack
20816     \@floatpenalty -\@Mii
20817   \else
20818     \@floatpenalty-\@Miii
20819   \fi

```



```

20820 \ifinner
20821 \@parmoderr
20822 \@floatpenalty\z@
20823 \else
20824 \@next\@currbox\@freelist{}\}%
20825 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
20826 {\@floatpenalty\z@
20827 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
20828 \fi
20829 \@ifnextchar [\@RTLxmpar\@RTLympar}
20830 \long\def\@RTLxmpar[#1]#2{%
20831 \@RTLSavemarbox\@marbox{#1}%
20832 \@RTLSavemarbox\@currbox{#2}%
20833 \@xympar}
20834 \long\def\@RTLympar#1{%
20835 \@RTLSavemarbox\@marbox{#1}%
20836 \global\setbox\@currbox\copy\@marbox
20837 \@xympar}
20838 \long\def \@RTLSavemarbox #1#2{%
20839 \global\setbox #1%
20840 \color@vbox
20841 \vtop{%
20842 \hsize\marginparwidth
20843 \@parboxrestore
20844 \@RTLmarginparreset
20845 #2%
20846 \@minipagefalse
20847 \outer@nobreak
20848 }%
20849 \color@endbox
20850 }
20851 \def \@RTLmarginparreset {%
20852 \reset@font
20853 \normalsize
20854 \@minipagetrue
20855 \everypar{\@minipagefalse\everypar{}\beginR}%
20856 }
20857 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
20858 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
20859 \if@twocolumn
20860 \if@firstcolumn \@tempcnta\m@ne \fi
20861 \else
20862 \if@mparswitch
20863 \ifodd\c@page \else\@tempcnta\m@ne \fi
20864 \fi
20865 \if@reversemargin \@tempcnta -\@tempcnta \fi
20866 \fi
20867 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
20868 \@tempdima\@mparbottom
20869 \advance\@tempdima -\@pageht

```



```

20870 \advance\@tempdima\ht\@marbox
20871 \ifdim\@tempdima >\z@
20872 \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
20873 \else
20874 \@tempdima\z@
20875 \fi
20876 \global\@mparbottom\@pageht
20877 \global\advance\@mparbottom\@tempdima
20878 \global\advance\@mparbottom\dp\@marbox
20879 \global\advance\@mparbottom\marginparpush
20880 \advance\@tempdima -\ht\@marbox
20881 \global\setbox \@marbox
20882 \vbox {\vskip \@tempdima
20883 \box \@marbox}%
20884 \global \ht\@marbox \z@
20885 \global \dp\@marbox \z@
20886 \kern -\@pagedp
20887 \nointerlineskip
20888 \hb@xt@\columnwidth
20889 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
20890 \hskip\columnwidth \hskip\marginparsep
20891 \else
20892 \hskip -\marginparsep \hskip -\marginparwidth
20893 \fi
20894 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
20895 \nointerlineskip
20896 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
20897 \long\def\@ympar#1{%
20898 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
20899 \global\setbox\@currbox\copy\@marbox
20900 \@xympar}
20901 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
20902 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
20903 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
20904 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
20905 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
20906 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
20907 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
20908 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
20909 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%
20910 \fi}
20911
20912 \newcommand*{\bidi@font@outputpage}{}
20913
20914 \def\@outputpage{%
20915 \begingroup % the \endgroup is put in by \aftergroup
20916 \let \protect \noexpand
20917 \@resetactivechars
20918 \global\let\@if@newlist\if@newlist
20919 \global\@newlistfalse

```



```

20920 \@parboxrestore
20921 \global\let\bidibeforeoutputpageshipout\@firstofone
20922 \bidibeforeoutputpageshipouthook
20923 \shipout \vbox{%
20924   \set@typeset@protect
20925   \aftergroup \endgroup
20926   \aftergroup \set@typeset@protect
20927                               % correct? or just restore by ending
20928                               % the group?
20929 \if@specialpage
20930   \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
20931 \fi
20932 \if@twoside
20933   \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
20934   \if@RTLmain
20935     \let\@themargin\evensidemargin
20936   \else
20937     \let\@themargin\oddsidemargin
20938   \fi
20939 \else \let\@thehead\@evenhead \let\@thefoot\@evenfoot
20940   \if@RTLmain
20941     \let\@themargin\oddsidemargin
20942   \else
20943     \let\@themargin\evensidemargin
20944   \fi
20945 \fi
20946 \ifx\@thehead\@empty \let\@thehead\hfil \fi
20947 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
20948 \else %% not @twoside
20949   \ifx\@oddhead\@empty \let\@thehead\hfil \fi
20950   \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
20951 \fi
20952 \reset@font
20953 \normalsize
20954 \bidi@font@@outputpage
20955 \normalsfcodes
20956 \let\label\@gobble
20957 \let\index\@gobble
20958 \let\glossary\@gobble
20959 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
20960 \@begindvi
20961 \vskip \topmargin
20962 \moveright\@themargin \vbox {%
20963   \global\let\bidibeforeheader\@firstofone
20964   \bidibeforeheaderhook
20965   \setbox\@tempboxa \vbox to\headheight{%
20966     \vfil
20967     \color@hbox
20968     \normalcolor
20969     \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@

```



```

20970      \color@endbox
20971      }%
20972      \dp\@tempboxa \z@
20973      \box\@tempboxa
20974      \vskip \headsep
20975      \global\let\@bidi@BeforeOutputBoxOutputPage\@firstofone
20976      \bidi@beforeoutputboxoutputpagehook
20977      \box\@outputbox
20978      \global\let\@bidi@AfterOutputBoxOutputPage\@firstofone
20979      \bidi@afteroutputboxoutputpagehook
20980      \ifvoid\@bidi@copyins@
20981      \else
20982      \vskip\skip\@bidi@copyins@
20983      \unvbox\@bidi@copyins@
20984      \fi
20985      \global\let\@bidi@BeforeFooter\@firstofone
20986      \bidi@beforefooterhook
20987      \baselineskip \footskip
20988      \color@hbox
20989      \normalcolor
20990      \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTL
20991      \color@endbox
20992      \global\let\@bidi@AfterFooter\@firstofone
20993      \bidi@afterfooterhook
20994      }%
20995      }%
20996      \global\let\@bidi@AfterOutputPageShipOut\@firstofone
20997      \bidi@afteroutputpageshipouthook
20998      \global\let\if@newlist\@if@newlist
20999      \global \colht \textheight
21000      \stepcounter{page}%
21001      \let\firstmark\botmark
21002      \global\let\@bidi@AtEndOutputPage\@firstofone
21003      \bidi@atendoutputpagehook
21004      }
21005      \long\def\@makecaption#1#2{%
21006      \vskip\abovecaptionskip
21007      \sbox\@tempboxa{#1: #2}%
21008      \ifdim \wd\@tempboxa >\hsize
21009      \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
21010      \else
21011      \global \@minipagefalse
21012      \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
21013      \fi
21014      \vskip\belowcaptionskip}
21015      \let\@bidi@samed@eqno=\eqno
21016      \let\@bidi@samed@leqno=\leqno
21017      \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@samed@leqno \else \bidi@samed@eqno \fi}
21018      \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@samed@eqno \else \bidi@samed@leqno \fi}
21019      \@ifpackageloaded{amsmath}{-}{-}

```





```

21020 \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
21021 }
21022 \input{footnote-xetex-bidi.def}
21023 \if@twocolumn
21024   \let\autofooterule\relax
21025   \let\leftfootnoterule\relax
21026   \let\rightfootnoterule\relax
21027   \textwidthfootnoterule
21028 \fi
21029 \if@bidi@csundef{\@idxitem}{\%
21030 \renewcommand{\@idxitem}{\par\hangindent \if@RTL-\fi40\p@}%
21031 }
21032 \@ifpackageloaded{tocbasic}{\input{tocbasic-xetex-bidi.def}}{}
21033 \@ifclassloaded{article}{\@ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
21034 \@ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
21035 \@ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
21036 \@ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
21037 \@ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
21038 \@ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
21039 \@ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
21040 \@ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}
21041 \@ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
21042 \@ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
21043 \@ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
21044 \@ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
21045 \@ifclassloaded{report}{\@ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
21046 \@ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
21047 \@ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
21048 \@ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
21049 \@ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
21050 \@ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
21051 \@ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
21052 \@ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
21053 \@ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
21054 \@ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
21055 \@ifclassloaded{book}{\@ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
21056 \@ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
21057 \@ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
21058 \@ifclassloaded{imsproc}{\input{imsproc-xetex-bidi.def}}{}
21059 \@ifpackageloaded{amsmath}{\%
21060 \@iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
21061 \@iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
21062 }
21063 \@ifpackageloaded{mathtools}{\%
21064   \RequirePackage{graphicx}%
21065   \input{mathtools-xetex-bidi.def}%
21066   }{}
21067 \@ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
21068 \@ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
21069 \@ifpackageloaded{floatrow}{\RequirePackage{color}}{}

```



```

21070 \@ifpackageloaded{algorithm2e}{\input{algorithm2e-xetex-bidi.def}}{}
21071 \@ifpackagewith{algorithm2e}{algonl}{%
21072 \renewcommand{\theAlgoLine}{\expandafter\csname the\algocf@float\endcsname\@SepMark\arabic{AlgoLine}}
21073 }{}
21074 \@ifpackagewith{algorithm2e}{algotpart}{\renewcommand{\algocf@within}{part}}{}
21075 \@ifpackagewith{algorithm2e}{algotchapter}{\renewcommand{\algocf@within}{chapter}}{}
21076 \@ifpackagewith{algorithm2e}{algotsection}{\renewcommand{\algocf@within}{section}}{}
21077 \@ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
21078 \@ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
21079 \@ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
21080 \@ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
21081 \@ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
21082 \@ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
21083 \@ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
21084 \@ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
21085 \@ifpackageloaded{crop}{\@ifclassloaded{memoir}{\input{crop-xetex-bidi.def}}{}}{}
21086 \@ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
21087 \@ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
21088 \@ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
21089 \@ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
21090 \@ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
21091 \@ifpackageloaded{float}{\@ifpackageloaded{floatrow}{\input{float-xetex-bidi.def}}{}}{}
21092 \@ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
21093 \@ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
21094 \@ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
21095 \@ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
21096 \@ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
21097 \@ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
21098 \@ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
21099 \@ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
21100 \@ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
21101 \@ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}
21102 \@ifpackageloaded{ntheorem-hyper}{\input{ntheorem-hyper-xetex-bidi.def}}{}
21103 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
21104 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
21105 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
21106 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
21107 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
21108 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
21109 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
21110 \@ifpackageloaded{diagbox}{\input{diagbox-xetex-bidi.def}}{}
21111 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
21112 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
21113 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
21114 \@ifpackageloaded{overpic}{\input{overpic-xetex-bidi.def}}{}
21115 \@ifpackageloaded{pdfbase}{\input{pdfbase-xetex-bidi.def}}{}
21116 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
21117 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
21118 \@ifpackageloaded{lineno}{\input{lineno-xetex-bidi.def}}{}
21119 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}

```



```

21120 \ifpackageloaded{media9}{\RequirePackage{bidi-media9}}{}
21121 \iftexfileloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
21122 \iftexfileloaded{pgfcorescopes.code}{\input{pgfcorescopes.code-xetex-bidi.def}}{}
21123 \ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
21124 \ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
21125 \ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
21126 \ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
21127 \ifpackagewith{sidecap}{innercaption}{%
21128 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
21129 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} \{{#1}\hspace{\sidecaptionsep}{#2}}
21130 \renewcommand*{\SC@justify@caption}{%
21131 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
21132 \renewcommand*{\SC@FLOAT}[2]{%
21133 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} \{{#2}\hspace{\sidecaptionsep}{#1}}
21134 \renewcommand*{\SC@justify@caption}{%
21135 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
21136 }{}
21137 \ifpackagewith{sidecap}{rightcaption}{%
21138 \if@RTL\renewcommand*{\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
21139 \def\SC@justify@caption{\RaggedLeft}\else%
21140 \renewcommand*{\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
21141 \def\SC@justify@caption{\RaggedRight}\fi%
21142 }{}
21143 \ifpackagewith{sidecap}{leftcaption}{%
21144 \if@RTL \renewcommand*{\SC@FLOAT}[2]{#2}\hspace{\sidecaptionsep}{#1}}
21145 \def\SC@justify@caption{\RaggedRight}\else%
21146 \renewcommand*{\SC@FLOAT}[2]{#1}\hspace{\sidecaptionsep}{#2}}
21147 \def\SC@justify@caption{\RaggedLeft}\fi%
21148 }{}
21149 \ifpackageloaded{soul}{\input{soul-xetex-bidi.def}}{}
21150 \ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
21151 \ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
21152 \ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
21153 \ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
21154 \ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
21155 \ifpackageloaded{adjmulticol}{\input{adjmulticol-xetex-bidi.def}}{}
21156 \ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
21157 \ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
21158 \ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}
21159 \ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
21160 \ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
21161 \ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
21162 \ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
21163 \ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
21164 \ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
21165 \ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
21166 \ifpackageloaded{tcolorbox}{\input{tcolorbox-xetex-bidi.def}}{}
21167 \ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
21168 \ifpackageloaded{tocbibind}{\ifclassloaded{memoir}}{\input{tocbibind-xetex-bidi.def}}{}{}
21169 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}}{\input{tocloft-xetex-bidi.def}}{}

```



```

21170 \ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}
21171 \ifpackageloaded{todonotes}{\input{todonotes-xetex-bidi.def}}{}

```

## 127 File xltextra-xetex-bidi.def

```

21172 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for
21173 \let\@XeTeX\XeTeX
21174 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
21175 \let\@XeLaTeX\XeLaTeX
21176 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

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